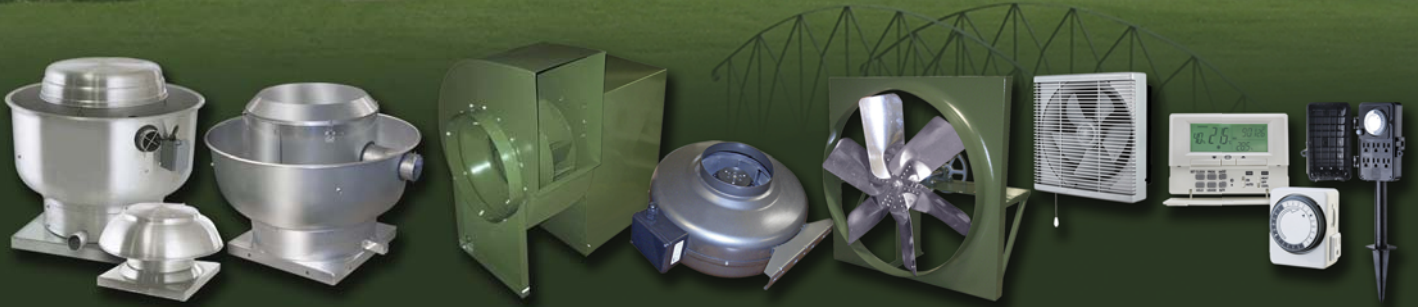




PROVIDING CUSTOMERS WITH VALUE,
KNOWLEDGE AND QUALITY PRODUCTS



"EVERYTHING WE DO BEGINS AND ENDS WITH THE CUSTOMER"

Canarm is closing in on 80 years in business. I have been here for 36 of those years and I must say I am very proud of the company that we have built and the 300 people that share their knowledge and professionalism with us every day.

What's New?

We have several exciting introductions and product expansions planned for the next year. Stay tuned for details.

Thank you for partnering with us and sharing your knowledge and expertise, as we strive for excellence at Canarm.

James A Cooper
President, Canarm Ltd

CANARM NAMED ONE OF CANADA'S 50 BEST MANAGED COMPANIES FOR 2012

Canarm has been named as one of **Canada's 50 Best Managed Companies** for 2012. Established in 1993, Canada's Best Managed Companies is the country's leading business awards program, recognizing excellence in Canadian-owned and -managed companies with revenues over \$10 million.

Every year, hundreds of entrepreneurial companies compete for this designation in a rigorous and independent process that evaluates the calibre of their management abilities and practices. This year, Canarm was chosen as one of those companies.

We are extremely proud to receive this honor, as it is the result of hard work from all of our employees, whose sole goal is to ensure that our focus remains on you, our customer. Our growth and success over the years has come because we have always strived for excellence and to fulfill your needs for quality products, excellent customer service, on-time deliveries and competitive prices. We will continue to honor that commitment to you every day.

On behalf of all Canarm employees I would like to thank you for ongoing support of our company and for pushing us to do better, to be better... to be the best!



HVAC Products

OUR MISSION

PROVIDING CUSTOMERS WITH VALUE, KNOWLEDGE & QUALITY PRODUCTS

CANARM @ A GLANCE

Established in	1968
# Employees	275 Worldwide
Business Units	Commercial/HVAC, Residential, Agricultural
Distribution Channels	Home Improvement/Hardware Chains, Box Store Chains, Mass Market Retailers, Lighting Showrooms, HVAC & Commercial Distributors, Electrical Wholesalers, Agricultural Distributors

THE CANARM ADVANTAGE

World Class Service

Our friendly and knowledgeable customer service and technical support representatives are always available to assist you. We extensive network of distributors across North America to serve you better.

World Class Delivery

With almost 300 models of LFI axial fans and DELHI blowers **IN STOCK**, Canarm, has what you need to complete your job. We also factory install motors and drives to make on-site installation even easier!



Get select product fast when you're in a hurry or need an emergency replacement. Please call for details.

OUR COMMITMENT TO GROWTH

In the past couple of years, we have demonstrated our commitment to growth through the following investments:

- **HVAC Manufacturing Site** - consolidated three warehouses and manufacturing operations into one and expanded our HVAC facility to 100,000 square feet.
- Invested in state of the art **Laser cutting center** that enables us to manufacture more parts in house, reducing outsourcing as well as our lead times and minimum on hand quantities for many component parts.
- Invested in a **Robotic Welder** which will increase productivity.
- Acquired a new **Paint Oven**, negating the need to outsource larger products
- **Wheel Room Automation**. This is the heart of our HVAC business and by further automating this part of the manufacturing process increase productivity and product quality.
- **On site test booth** – allows us to test all products on site and assists with new product development.
- Invested in **Epicor** - a new ERP computer system
- **Web Site Revamp** - We've given it a new, easier to navigate look and feel. Phase II will include an interface with Epicor - our ERP system - and provide users with a complete e-commerce experience. Customers will be able to log in and enter an order, check the status of an order, look up pricing or inventory availability and even print off copies of invoices.

DELAIR INTERACTIVE FAN SELECTION SOFTWARE

Need help determining which fan or blower is best for your application? Just enter in your parameters and Delair does the rest!

After product selection you can:

- Browse cross reference guides.
- View product features & dimensions.
- Generate Fan Curves & submittals.
- View product literature and user guides.
- Download our "Class A" availability report (updated weekly)
- Access product pricing. (All blowers can be priced individually or complete with motors and drives factory installed.)
- Calculate quotes for resale to contractors (Distributors only)

Visit www.canarm.com/delair or scan the QR code to download Delair.



“ We are investing in property and equipment that will allow us to produce the right product and deliver it to our customers in a timely and cost effective manner. ”



Scan the QR code to learn more about our complete line of quality products and to download the latest version of Delair.

HVAC CONTACTS



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WEB SITE
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 **LINKEDIN**
[linkedin.com/company/canarm-ltd-hvac-products](https://www.linkedin.com/company/canarm-ltd-hvac-products)

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OTHER FACILITIES

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Laval, Quebec H7C 0A5 Canada
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Fax: (450) 665-0910

USA WAREHOUSE
808 Commerce Park Drive
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ARTHUR MANUFACTURING FACILITY
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November 18, 2015

CANARM HVAC – QUALITY ASSURANCE STATEMENT

Canarm HVAC assures consistent quality both in customer service and in finished goods by tightly controlling all aspects of our business. Canarm HVAC assures the quality of all materials, equipment, components, and systems utilized in the manufacturing, assembly, and packaging of all products. Quality is the responsibility of every employee at Canarm.

Computer Integration

Canarm HVAC is totally computer integrated providing all departments and our customers with quick, accurate, and reliable information. Orders are entered directly into our MRP program as they are received, that drives the MRP program to schedule and provide accurate shipping dates, data for our procurement, and production control departments. Canarm's production control department uses the MRP data with computerized bills of material and process routing information to provide precise product completion dates based on the scheduled rates. Through the use of a complete bar code system, iPads at every station, and CNC manufacturing equipment, the entire plant has QC procedures in place to produce consistent high quality products.

Production QC

Production quality control starts with verifying all incoming components and raw material. At every stage of production, there is a detailed description of the task to be performed, including; the material or part(s) to be used, the associated CAD drawing(s), a QC checklist, and a QC record sheet. Our trained operators check parts before and after the task is completed against the supplied drawings, the checklist and record sheet are then used to record the results. All non-conforming parts are recorded and set aside for rework, assessment of the reason for defect, and recycling. At final assembly each function of the product is operated to be sure it works properly in the designed application. All electrical assemblies are hi-pot tested and ground continuity tested for safety.

Certification

Canarm HVAC assures that all products comply with all certifications and standards required for the specific product or application. Including: ETL, UL, AMCA, HVI, EnergyStar, CSA.

Lab and Test Center

Canarm's lab and test center is used to test incoming goods, analyze returned products, spot check WIP and warehoused goods, as well as testing for continuous product improvement programs and new product development processes.

Canarm HVAC was ISO9001 certified for several years, but as a cost reduction service to our customers, we dropped the expensive certification and kept the valuable and effective quality procedures. We continue to monitor our process, warranty returns, and customer feedback to continuously improve using corrective action and engineering change notice procedures. Through independent checks, audits, inspections, and witnessing, Canarm verifies the quality of all products and parts.

In conclusion, Canarm's Quality Assurance procedure guarantees that we will continually improve and **provide our customers with VALUE, KNOWLEDGE, and QUALITY products.**

A handwritten signature in black ink, appearing to read "Doug Matthews".

Doug Matthews
Vice President - Agricultural & HVAC Products
Canarm Ltd.

Le 18 novembre, 2015

CVAC CANARM – DÉCLARATION D'ASSURANCE DE LA QUALITÉ

La division de CVAC de Canarm assure une qualité continue dans le service à la clientèle ainsi que les produits qu'elle fabrique en contrôlant tous les aspects de notre entreprise. La division de CVAC de Canarm assure la qualité de tous les matériaux, équipements et systèmes utilisés dans la fabrication, l'assemblage, et l'emballage des produits. La qualité est la responsabilité de tous les employés chez Canarm.

Intégration dans le Système Informatique

La division CVAC chez Canarm est totalement intégrée dans un système informatique procurant à tous les départements et à tous les clients une information rapide, précise et fiable. Les commandes sont entrées dans le système de MRP afin de fournir une date d'expédition exacte, les informations pour les achats, ainsi que pour la production. Le département du contrôle de la production utilise l'information obtenue du MRP pour fournir tous les précisions sur la date de terminaison du projet basée sur les cédules établies. Avec l'aide d'un système complet de codes à barres, l'utilisation de l'iPad à tous les stations, et l'emploi d'équipement à contrôle numérique, CNC, l'usine entière est à la fine pointe du CQ et produit systématiquement des items fiables de grande qualité.

CQ à la Production

Le contrôle de la qualité à la Production débute par la vérification de toutes les pièces et matériaux bruts reçus. A tous les stages de la production, une description détaillée des tâches à accomplir est suivi, ce qui comprend : les matériaux ou pièces à être utilisés, les dessins CAO associés, la liste de contrôle du CQ, et un registre du CQ. Nos opérateurs expérimentés vérifient les pièces avant et après chaque étape pour s'assurer qu'elles sont conformes aux dessins, à la liste de contrôle puis inscrivent les résultats dans les registres. Toutes les pièces non conformes sont notées et mises de côté pour être remanier, évaluer pour les causes des défauts puis recycler. A l'assemblage final chaque fonction du produit est testée pour vérifier son bon fonctionnement dans l'environnement pour laquelle elle a été conçue. Tous les assemblages électriques sont vérifiés pour une tension adéquate et pour la mise à terre continue pour assurer une sécurité lors de l'opération.

Certification

Le CVAC de Canarm vous assure que tous les produits sont conformes à toutes les certifications et standards exigés pour le produit ou application spécifique. Ceci inclus : ETL, UL, AMC, HVI, Energy Star, CSA.

Labo et Centre d'Analyse

Le labo et centre d'analyse de Canarm est utilisé pour tester la marchandise entrante, les produits retournés, vérifier les TEC et les items entreposés, ainsi que tester les nombreux programmes d'amélioration continue et le développement de nouveaux processus et produits.

Le CVAC de Canarm est certifié ISO9001 depuis plusieurs années, mais pour réduire les coûts auprès de nos clients, nous n'avons pas renouvelée l'onéreuse certification mais avons toujours conservé les procédures efficaces et sûres de la qualité. Nous continuons à surveiller nos processus, nos retours sur garanties et les commentaires de nos clients pour continuer l'amélioration de la qualité en utilisant des correctifs, des actions, des changements d'ingénierie et de procédures. Par l'entremise des vérifications indépendantes, des révisions, des inspections et des témoignages, Canarm améliore continuellement la qualité de ces produits et ces pièces.

En conclusion, La Procédure du Contrôle de la Qualité chez Canarm est un gage que nous travaillons sans cesse à l'amélioration et fournissant **à nos clients une VALEUR, UNE EXPERTISE ET DES PRODUITS DE QUALITÉ.**

A handwritten signature in black ink, appearing to read "Doug Matthews".

Doug Matthews
Vice Président - Produits Agricole et CVAC
Canarm Ltée.

Canarm Internet Sales Policy

Canarm reserves the right to inspect, review and control any use of the Canarm logo and or name on all websites.

Authorized Dealers are permitted to use the Canarm name, logo and product images on their own websites to aid in the selling of Canarm products that they buy directly. All images and logos can be provided upon request. Website reviews or updates may be requested by Canarm should any discrepancies or misrepresentations be found.

All third tier or third party selling will be subject to review and authorization by Canarm. This would be broken into two categories.

1. Resellers using the Canarm Part numbers or Canarm name however they are purchasing through a authorized dealer and not directly through Canarm.
2. Resellers that are selling Canarm Product listed under the Authorized Dealer Name and Part Number

Section 1 sellers must obtain individual approval from Canarm before listing on any websites. This is to ensure the Canarm name is only represented on sites that we approve.

Section 2 sellers are free to promote and sell as they wish as long as product representation is seen as a fit promotion. This applies only where no mention is made of the Canarm name or logo.

Please contact your Canarm Sales Rep if you have any questions or if you would like Canarm to review any use of the name or logo before it is posted on-line.

TERMS & CONDITIONS OF SALE

These Standard Terms and Conditions govern the sale of all standard products, non-standard products, systems and services ("Products") by Canarm Ltd., and its divisions and subsidiaries ("Canarm") and apply notwithstanding any conflicting, contrary or additional terms and conditions in any purchase order or other document or communication ("Purchase Order") from Buyer. Submission by Buyer to Canarm of an order shall constitute Buyer's acceptance of these terms and conditions. These terms and conditions may only be waived or modified in a written agreement signed by an authorized representative of Canarm. Neither Canarm's acknowledgment of a purchase order nor Canarm's failure to object to conflicting, contrary or additional terms and conditions in a purchase order shall be deemed an acceptance of such terms and conditions or a waiver of the provisions hereof.

1. ORDERS, DELIVERY AND TITLE.

All orders are subject to acceptance by Canarm. All shipments by Canarm are EX WORKS (point of origin) and all transportation charges shall be paid by the Buyer, in addition to the price of the Products. Subject to Canarm's right of stoppage in transit, delivery of the Products to the carrier shall constitute delivery to Buyer and risk of loss shall thereupon pass to Buyer; however, title shall remain with Canarm until Buyer makes absolute payment in full for the Products. Selection of the carrier and the delivery route shall be made by Canarm unless specified by Buyer. Canarm shall use reasonable efforts to initiate shipment and schedule delivery as close as possible to Buyer's requested delivery dates. Buyer acknowledges that delivery dates provided by Canarm are estimates only and that Canarm is not liable for failure to deliver on such dates. Canarm reserves the right to make deliveries in installments. Delivery of a quantity less than the quantity specified shall not relieve Buyer of the obligation to accept delivery and pay for the Products delivered. Delay in delivery of one installment shall not entitle Buyer to cancel other installments.

2. PRICES.

Prices shall be as specified by Canarm and shall be applicable for the period specified in Canarm's quote. If no period is specified, prices shall be applicable for thirty (30) days. Notwithstanding the foregoing, prices shall be subject to increase in the event of an increase in Canarm's costs or other circumstances beyond Canarm's reasonable control. Prices are exclusive of federal, provincial, state, local or any other taxes, charges, levies and duties, shipping charges, forwarding agent's and broker's fees, consular fees and document fees. If Canarm shall be liable for or shall pay any of the foregoing, Canarm shall charge such amount to Buyer in addition to the price of the Products.

3. TERMS OF PAYMENT.

Payment shall be net thirty (30) days from date of invoice or as otherwise specified by Canarm in writing. Buyer agrees to pay the entire net amount of each invoice from Canarm pursuant to the terms of each such invoice without offset or deduction. Orders are subject to credit approval by Canarm, which may in its sole discretion at any time change the terms of Buyer's credit, require payment in cash, bank wire transfer or by check and/or require full payment of any or all amounts due or to become due for Buyer's order before shipment of any or all of the Products. If Canarm believes in good faith that Buyer's ability to make payments may be impaired or if Buyer shall fail to pay any overdue invoice, Canarm may suspend delivery of any order or any remaining balance thereof until such payment is made or cancel any order or any remaining balance thereof and Buyer shall remain liable to pay for any Products already shipped and Non-Standard Products ordered by Buyer. Buyer agrees to submit such financial information from time to time as may be reasonably requested by Canarm for the establishment and/or continuation of credit terms. The date of collection/receipt of a check by the Canarm shall be deemed the date of payment by the Buyer. Any check received from Buyer may be applied by Canarm against any obligation owing from Buyer to Canarm, regardless of any statement appearing on the face of such check, without discharging Buyer's liability for any additional amounts owing from Buyer to Canarm, and acceptance of such check shall not constitute a waiver of Canarm's right to pursue the collection of any remaining balances. Buyer shall pay interest on any invoice not paid when due from the due date to the date of payment at the rate of the lesser of (i) one and one-half (1-1/2%) percent per month and (ii) the highest rate permitted by applicable law. If Buyer does not make payment when due, Canarm may pursue any legal or equitable remedies, in which event Canarm shall be entitled to reimbursement for costs of collection and reasonable legal fees.

4. ACCEPTANCE OF PRODUCTS, PRODUCT RETURNS AND CANCELLATION.

Inspection and acceptance of the Products shall be Buyer's responsibility. The Buyer must inspect the merchandise upon delivery and report any apparent error or defect to Canarm within ten (10) days of said delivery. Should the Buyer fail to do so, it shall be conclusively presumed that the products were delivered in accordance with the contract, and the Buyer waives any right to revoke acceptance thereafter.

Damage to, or loss of any goods in transit must be noted on the carrier's delivery freight bill. Canarm will provide the Buyer with whatever assistance is needed in order for the Buyer to file a claim with the carrier. However, the Buyer may not withhold payment pending carrier settlement. Buyer must reorder any replacements needed and such reorder

shall be subject to all Standard Terms contained herein.

No return of Products shall be accepted by Canarm without Canarm's written approval, and the issuance of a RETURN AUTHORIZATION NUMBER by Canarm which fully outlines the terms and conditions of the return, including shipping responsibility, restocking charges (if applicable) and carrier.

Orders accepted by Canarm for customized, modified or specifically produced items are **non-cancelable** and said items are **non-returnable**.

Returned Products must be in original manufacturer's shipping cartons complete with all packing materials. Products not eligible for return shall be returned to the Buyer, freight collect. In the event of cancellation by Buyer: (a) Any item(s) completed at time of receipt of written cancellation notice will be shipped and invoiced at full price. (b) Work on balance of order will be stopped as promptly as reasonably possible, and Canarm will be reimbursed for all actual expenditures, commitments, liabilities, and costs, determined in accordance with good accounting practice, made or incurred in respect to such incomplete items, plus a reasonable profit on such costs. Any items, which can be used economically to fill other orders, may be canceled without charge.

5. FORCE MAJEURE.

Canarm shall not be liable for failure to fulfill its obligations herein or for delays in delivery due to causes beyond its reasonable control, including but not limited to, acts of God, revolution, natural disasters, acts or omission of other parties, acts or omissions of civil or military authority, Government priorities, changes in law, material shortages, fire, strikes, floods, epidemics, riots, wars, acts of terrorism, delays in transportation or inability to obtain supplies or materials through its regular sources. Canarm's time for performance of any such obligation shall be extended for the time period of such delay or Canarm may, at its option, cancel any order or remaining part thereof, without liability, by providing written notice of such cancellation to Buyer.

6. CANARM'S LIMITED WARRANTY.

Canarm warrants to Buyer that upon delivery to Buyer the Products purchased hereunder shall conform to the applicable Canarm's specifications as provided in the quotation. Except as are contained in this paragraph 6, Canarm makes no warranties, conditions, guarantees or representations relating to the Products, express or implied, statutory or otherwise. Canarm warrants all Products it manufactures to be free from defects in workmanship and material when used under conditions recommended by us. The Canarm's obligation under the warranty is limited to repair or replace or otherwise make good, at our factory, any parts which, within one year after date of shipment of equipment of our manufacture to the original purchaser, after being returned to us with transportation prepaid, and upon our examination, shall disclose to our satisfaction to have been defective. The Canarm neither assures, nor authorizes any other persons to assume for us, any liability in connection with the sales of our equipment except under the conditions of this warranty. The warranty does not cover any Field (on site) labour charges for replacement of parts, adjustment, repairs, removal or re-installation costs or any other work done. This warranty shall not apply to any apparatus which in our opinion has been subject to misuse, negligence, or pressures in excess of limits recommended by Canarm, or which have been repaired or altered outside the company's factory without our prior authorization. Replacement or repair of defective material will be EX WORKS our factory, and will assume any used portion of this warranty. All defective parts become the property of Canarm and must be returned within fifteen (15) days of the replacement, transportation prepaid, as advised by Canarm, to become eligible for replacement under this warranty. Warranty Claim Forms, found in the Product Owner's Manual, must accompany all warranty claims and parts returns or this warranty shall not apply. Canarm is not responsible for any sales, use, excise, duty or any other applicable taxes associated with the replacement of parts under this warranty. This warranty is only effective with all the terms and conditions of this quote being met, and it is understood that time is of the essence in this agreement. **REPAIR OR REPLACEMENT OF PRODUCTS NOT OF OUR MANUFACTURE WILL BE LIMITED TO THE WARRANTY OF THE MANUFACTURERS OF SUCH PRODUCTS.** Canarm shall transfer to Buyer whatever transferable warranties and indemnities Canarm receives from the manufacturers of any subcomponents of the Products, if any, including any transferable warranties and indemnities in respect of patent infringement. Please refer to the Product Service Labour Policies in your Product Owner's Manual for possible extensions to this Warranty.

7. LIMITATION OF LIABILITIES.

Canarm's total liability for any and all claims which may arise under this agreement or with respect to the Products sold hereunder, including but not limited to those caused by defective material and/or unsatisfactory performance, shall be limited to the purchase price of the Products to which any such claim relates. Canarm shall not be liable in any circumstances, howsoever caused, whether in contract, tort or otherwise, for any loss of profits or for any direct, indirect, special, incidental, exemplary, punitive or consequential damages, losses, injury, costs or expenses of any nature relating to the Products, including without restriction, loss, damage or injury arising out of the negligence of Canarm or that of its employees, agents, representatives or other persons for whom in law Canarm is responsible. Canarm shall not be liable for and Buyer shall indemnify, defend and hold Canarm harmless from any claims based on Canarm's compliance with Buyer's specifications, designs or instructions, or modification of any Products by parties other than Canarm, or use in combination with other Products.

8. USE OF PRODUCTS BY BUYER.

Buyer assumes all risk and liability for loss or injury in connection with the use of the Products whether used singly or in combination with other substances or Products in any process whatsoever. Any information provided by Canarm including without restriction technical information sheets and product brochures is based on tests believed to be reliable. However, as actual conditions of use may vary and are beyond the control of Canarm, a Product's specified characteristics and any recommendations for use, however communicated, are offered solely for Buyer's evaluation and must be verified by it.

9. INTELLECTUAL PROPERTY.

If a Product includes software or other intellectual property, such software or other intellectual property is provided by Canarm to Buyer subject to the copyright and user license, the terms and conditions of which are set forth in the license agreement accompanying such software or other intellectual property. Nothing herein shall be construed to grant any rights or license to use any software or other intellectual property in any manner or for any purpose not expressly permitted by such license agreement.

10. CONFIDENTIALITY.

All specifications (other than the Buyer's Specifications), technical data, price lists, documents, materials and proprietary information relating to the Products are the confidential and proprietary information of Canarm and shall be treated in confidence by Buyer and shall not be disclosed, reproduced or communicated to any third party in any way whatever except as is required in connection with the purchase and use of the Product by Buyer, and on terms and conditions agreed with Canarm in writing. The foregoing provisions do not apply to information that was publicly available prior to the date of disclosure by Canarm or that becomes publicly available after such disclosure other than pursuant to a breach of any obligation of confidentiality to Canarm.

11. GENERAL.

As used herein, terms appearing in the singular shall include the plural and terms appearing in the plural shall include the singular. No rights, duties, agreements or obligations hereunder may be assigned or transferred by either party, by operation of law, merger or otherwise, without the prior written consent of the other.

Any attempted or purported assignment shall be void. Notwithstanding the foregoing, Canarm's obligations under these Terms and Conditions may be performed by divisions, subsidiaries or affiliates of Canarm. The obligations, rights, terms and conditions hereof shall be binding on the parties hereto and their respective successors and assigns. The waiver of any provision hereof or of any breach or default hereunder shall not be deemed a waiver of any other provision hereof or breach or default hereunder. No provision of these Terms and Conditions shall be deemed waived by a course of conduct unless such waiver is in writing signed by both parties and stating specifically that it was intended to modify these Terms and Conditions. These Terms and Conditions shall be governed by and construed in accordance with the laws of the Province of Ontario and the federal laws of Canada applicable therein and shall be treated in all respects as an Ontario contract. The Buyer and the Canarm irrevocably and unconditionally attorn to the jurisdiction of the courts of the Province of Ontario and all courts competent to hear appeals there from. The United Nations Convention for the International Sale of Goods shall not apply. It is the express wish of the parties that this contract and all documents in connection with this contract be drawn up in English. Il est la volonté expresse des parties que le présent contrat et tous les documents qui s'y rattachent soient rédigés en langue anglaise.

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Fax: (519) 848-3948

Montreal Distribution Center
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Tel: 450.665.2535
Fax: 450.665.0910

HOW TO ORDER BLOWERS WITH MOTORS & DRIVES

Canarm recommends that all customers download our Delair Fan Selection Software from our web site www.canarm.com/delair.

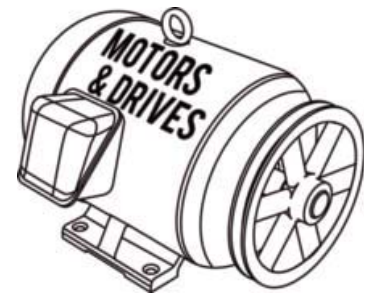
Delair provides fast calculations for motors & drives - built in pricing for all units.

To manually price motors with the drives:

1. Choose your blower from our catalogue.
2. Determine your pulleys, belt & motor.
3. Go to the Accessories & Motors tab and then to the pricing pages for this section.
4. Find the pulleys and bushings you require.
5. Choose your belt.
6. Choose your motor.
7. Add the installation charge for motors & drives.

Current list price is: \$59 for fractional HP motor
 \$84 for 1 - 5 HP motor
 \$109 for 7.5 & 10 HP motors
 \$139 for 15 HP motors

8. Apply your multiplier.
9. Forward your order to Canarm.



Please note that Canarm will process your order through our product configurator, which will apply a unique part # to your product. We will send you an order confirmation as soon as the order is entered and the production date has been assigned.

For further information, please contact Canarm at **(613) 342-5424** or email: hvacsales@canarm.ca

Non-stock & Build to order items are non-cancelable and non-returnable without prior authorization. Note: Freight on products from our Brockville manufacturing facility will ship Collect or Prepay & Charge ONLY.

CANARM RETURN AUTHORIZATION PROCEDURE

All Canarm product being returned to Canarm for any reason (shipping discrepancies, order entry errors, damaged, customer choice, defective product, freight claims, etc.) requires a Return Authorization Number (RA #).

PROCESS DESCRIPTION

For your Return Authorization Request to be processed promptly, the following information must accompany your request:

- Total quantity
- Canarm part numbers and description
- Reason for the return
- Your complete address, a contact name, your return fax and telephone number
- **Either** your PO#, our invoice #, or our BOL #, indicating date of purchase

Once a RA# Request (with the above required information) is received at Canarm, a **Return Authorization Confirmation** will be faxed to you outlining: the RA# to be used, the Customer Account Number being referenced, shipping instructions and the carrier information to be used for freight.

With complete information, our goal is to process all Return Requests within 24 hours.

Your RA# Request can be made by fax or email to: **Steve Marsh** Fax: 1-800-263-4598 or E-mail: smarsh@canarm.ca

CANARM WARRANTY (RETURN) POLICY - DEFECTIVE ITEMS

Canarm warrants all new products sold to our dealers to be free of defects in material and workmanship, to the extent that for a period of one year from the date of purchase, Canarm Ltd. shall either repair or replace at Canarm's option, any product or part of the product that is found to be defective.

One year is the standard warranty and applies to all products not marked otherwise.

Please refer to the Return Authorization procedure to make a warranty claim.

Our standard warranty does not include any labour or transportation costs incidental to the removal or reinstallation of the item at the user's premises.

Items repaired or replaced are warranted through the remainder of the original warranty period only.

This warranty applies only to the original purchaser-user and is null and void in cases of alteration, accident, abuse, neglect, and operation not in accordance with instructions.

Canarm distributes products manufactured by other companies. The warranty that is provided to us will be passed on to our customers, or in some cases we will direct you to the original manufacturer. Canarm is not responsible for any costs as a result of these products being defective or from these products not meeting the customers' needs or expectations. We will however try to help you resolve any issues with the original manufacturer.

CANARM WARRANTY (RETURN) POLICY - NON-DEFECTIVE ITEMS

All returns require a Return Authorization number. Please refer to the RA procedure for requesting an RA number.

Non-standard or custom built items cannot be returned or cancelled.

Customer choice returns are subject to a restocking fee. This will be clearly indicated on the RA confirmation paperwork.

Items must be returned via Prepaid freight.

Items must be received in new/saleable condition in the original packaging.

Other factors such as date code and product revisions will also be considered when determining the ability to return/accept a product.

DELHI BLOWER WHEELS

Canarm/Delhi blower wheels are factory balanced prior to assembly and shipment. Customer and/or end user is responsible to test for vibration and balance after installation of motor and drives, and upon final delivery.

When motor and drives are installed by Canarm/Delhi – the wheel is factory balanced prior to assembly and the unit is run and vibration is checked prior to shipment. Units should be inspected for balance before final delivery to your customer, in case of damage during shipping and/or handling of the product.

In the case of issues with balance, as with all warranty situations, Canarm's responsibility will be limited to replacement of component parts only. We are not responsible for any labour, removal, reinstallation or other costs associated with the re-balancing of the unit in the field.

DUCT VENTILATION	IDL SERIES Forward Curved Low Profile Duct Blowers	A1-A2
	IDB & IDB-X SERIES Forward Curved Inline Duct Blowers	A3
	200, 9200 & 9200-VIB SERIES Single & Twin Forward Curved Inline Duct Blowers	A4
	IDB, IDB-X, 200, 9200 & 9200-VIB SERIES Filter Sections & Intake Hoods	A5
	HC & CW SERIES Heating & Cooling Coils	A6
	DFRC-ES SERIES Circular Duct Fans	A7
	DUCT FANS	A8
	BPT SERIES Bathroom Exhaust Fans and Optional Controls & Timers	A9-A10
	AXC SERIES Inline Duct Fans	A11
	400 SERIES FC Exhauster Belt Drive Utility Blowers	A12
	DSQ-B SERIES Backward Inclined Belt Drive Square Inline Blowers	A13
	GSQ-D SERIES Backward Inclined Direct Drive Square Inline Blowers	A14
	DPL & DPL-AF SERIES Flat Blade & Air Foil Blade Plenum Fans	A15
	BTA/WTA/HTA SERIES Belt Drive Tube Axial Duct Fans	A16
	DDA SERIES Direct Drive Tube Axial Duct Fans	A17
	Tube Axial Duct Fan Options & Accessories	A18
	JFHVA SERIES Air Make Up Jet Fans	A19



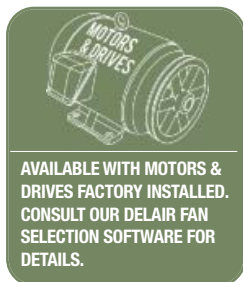
IDL-2 Twin Units Available
Call for pricing & availability.

IDL SERIES

Indoor Applications, Non-Insulated



IDL 07/09/10
DROP DOWN PANEL
FOR EASY ACCESS.



AVAILABLE WITH MOTORS &
DRIVES FACTORY INSTALLED.
CONSULT OUR DELAIR FAN
SELECTION SOFTWARE FOR
DETAILS.

IDL SERIES LOW PROFILE INLINE DUCT BLOWERS

Forward Curved Low Profile Inline Duct Blowers

- Use as part of an HVAC system.
- Durable galvanized, steel construction.
- Delhi forward curved blowers will not “surge”, “hunt” or “stall”.
- Ideal for indoor applications.
- Optional variable pitch motor pulley permits field adjustment (typically + or - 15%) to match air delivery needs.
- Quiet forward curved blowers typically operate at ½ the rpm of other inline solutions.
- Low profile design for use in bulkheads or other areas with reduced clearance.
- Easy to use drop down access panel provides quick access to blower and motor.

INDUSTRIES SERVED

- Commercial HVAC
- Ventilation
- Heating
- Cooling
- Construction

PERFORMANCE SPECIFICATIONS

MODEL	TYPICAL MAXIMUM CFM @ SP						
	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP	Min HP	Max HP
IDL07	1400	1250	1100	900	700	1/6	3/4
IDL09	1800	1600	1400	1100	800	1/6	3/4
IDL10	2100	1800	1400	1000	700	1/6	1 1/2
IDL12	3600	3200	28	2300	1800	1/3	1 1/2
IDL15	5700	5200	4600	4000	3400	1/3	3

CFM values listed right are summarized for convenience. For full performance data refer to our Delair program.

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

*CONSULT OUR DELAIR SOFTWARE FOR FAN CURVES & PERFORMANCE DATA.
DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

FEATURES

- **Wheel Diameters:** 7" through 15"
- **CFM:** Approximately 500 to 5700 CFM in a single blower.
- Constructed from galvanized steel for durability.
- Forward Curved blowers operate at low RPM for low noise levels.
- Heavy duty ball bearings suitable for -65° F to +250° F.
- Keywayed shafts both ends for clockwise or counter clockwise rotation.
- Saddle type motor mounting platform provides extended belt tension adjustment range on all IDL models.

TYPICAL APPLICATIONS FOR OUR INLINE BLOWERS

- An Inline make-up air solution for cases where a rooftop curb mounted solution is not available.
- As an air moving module for systems built up with other components such as heating/cooling coils.
- Noise sensitive areas - the low rpm forward curved wheel typically radiates less vibration than higher rpm backward inclined wheel solutions.
- When the application requires an air mover in a duct system located in a ceiling space.
- Redistribution or recirculation of air in a work space.
- Interlocked with entry doors to prevent entry of cold outdoor air into retail sales space and thus greets customers with warmth.
- Bathroom/rest room exhaust - one duct blower serving multiple intakes.
- Ideal for use in bulkheads and other areas with low clearance.

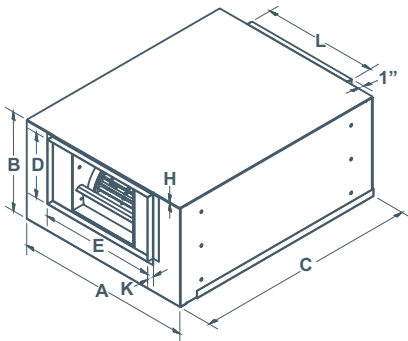


FORWARD CURVED BLOWERS
OPERATE AT LOW RPM FOR LOW NOISE

IDL SERIES

Forward Curved Low Profile Inline Duct Blowers

DIMENSIONS



MODEL	A	B	C	OUTLET				INLET		SHAFT DIAMETER	UNIT WEIGHT (LBS) (without motor)
				D	E	H	K	L	M		
IDL07	23"	13"	29"	15"	8 1/2"	1/8"	1"	15"	8 1/2"	3/4"	TBA
IDL09	26"	16"	32"	18"	10 1/2"	1/8"	1"	18"	10 1/2"	3/4"	TBA
IDL10	32"	19"	36"	24"	12"	1/2"	1"	24"	12"	3/4"	TBA
IDL12	36"	21 5/8"	42"	28"	13 7/8"	1/2"	1"	28"	13 7/8"	3/4"	TBA
IDL15	42"	25"	46"	32"	16 1/2"	1/2"	1"	32"	16 1/2"	1"	TBA

IDL12/15

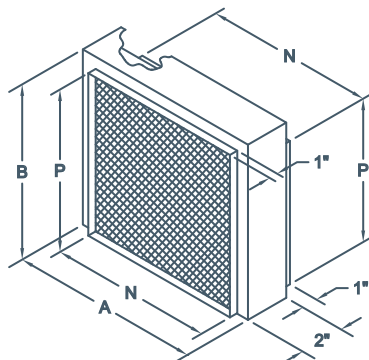
- IDL12/15 - Motor is attached to cabinet
- Ample space within to facilitate work inside the unit



ACCESSORIES

- Filter sections
- External Vibration Isolators
- Disconnect Switch
- Side Access Door

FILTER SECTIONS & INTAKE HOODS

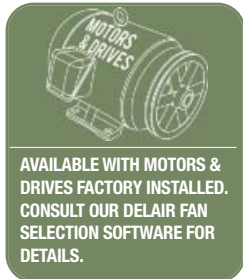


FIDL FILTER SECTION For IDL Series Blowers

MODEL	A	B	N	P	FILTER		UNIT WEIGHT (LBS)
					SIZE	QTY	
FIDL07	17"	10 1/2"	15 1/4"	8 3/4"	9 1/2" X 16"	1	8
FIDL09	20"	12 1/2"	18 1/4"	10 3/4"	11 1/2" X 19"	1	9
FIDL10	26"	14"	24 1/4"	12 1/4"	13 1/2" X 25"	1	11
FIDL12	30"	15 3/4"	28 1/4"	14"	14 3/4" X 29"	1	13
FIDL15	34"	18"	32 1/4"	16 3/4"	17" X 33"	1	18



Both styles available with optional motors & drives.



IDB & IDB-X SERIES

Indoor Applications, Non-Insulated
(Insulated available on request)

FEATURES

- **Wheel Diameters:** 7" through 15"
- **CFM:** Approximately 500 to 5700 CFM in a single blower.
- Constructed from galvanized steel for durability.
- Forward Curved blowers operate at low RPM for low noise levels.
- Heavy duty ball bearings suitable for -65° F to +250° F.
- Keywayed shafts both ends for clockwise or counter clockwise rotation.
- Saddle type motor mounting platform provides extended belt tension adjustment range on all IDB models.
- IDB-X models offer external mounted motors & drives for easy access, however they are not ETL or AMCA certified at this time.

TYPICAL APPLICATIONS FOR OUR INLINE BLOWERS

- An Inline make-up air solution for cases where a rooftop curb mounted solution is not available.
- As an air moving module for systems built up with other components such as heating/cooling coils.
- Noise sensitive areas - the low rpm forward curved wheel typically radiates less vibration than higher rpm backward inclined wheel solutions.
- When the application requires an air mover in a duct system located in a ceiling space.
- Redistribution or recirculation of air in a work space.
- Interlocked with entry doors to prevent entry of cold outdoor air into retail sales space and thus greets customers with warmth.
- Bathroom/ rest room exhaust - one duct blower serving multiple intakes.

IDB & IDB-X SERIES

INLINE DUCT BLOWERS

Forward Curved Inline Duct Blowers

- Use as part of an HVAC system.
- Durable galvanized, steel construction.
- Delhi blowers will not "surge", "hunt" or "stall".
- Ideal for indoor applications.
- Optional variable pitch motor pulley permits field adjustment (typically + or - 15%) to match air delivery needs.
- Quiet forward curved blowers operate at ½ the rpm of other inline solutions.



Insulated options available upon request. For insulated or heavy duty applications, please reference our 200 and 9200 series literature.

INDUSTRIES SERVED

- Commercial HVAC
- Ventilation
- Heating
- Cooling
- Construction



Canarm certifies that the IDB Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



NOTE: IDB-X MODELS ARE NOT ETL OR AMCA CERTIFIED AT THIS TIME.

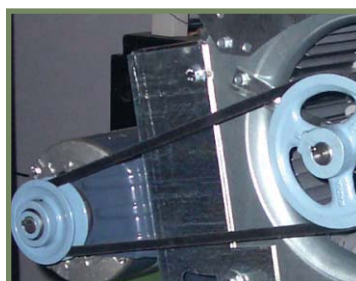
PERFORMANCE SPECIFICATIONS

MODEL	TYPICAL MAXIMUM CFM @ SP						Min HP	Max HP
	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP			
IDB07 / IDBX07	1400	1250	1100	900	700	3/4	3/4	
IDB09 / IDBX09	1800	1600	1400	1100	800	3/4	3/4	
IDB10 / IDBX10	2100	1800	1400	1000	700	1 1/2	1 1/2	
IDB12 / IDBX12	3600	3200	2800	2300	1800	1 1/2	1 1/2	
IDB15 / IDBX15	5700	5200	4600	4000	3400	3	3	

CFM values listed right are summarized for convenience. For full performance data refer to our Delair program.

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

*CONSULT OUR DELAIR SOFTWARE FOR FAN CURVES & PERFORMANCE DATA. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR



SADDLE TYPE MOTOR MOUNTING PLATFORM PROVIDES EXTENDED BELT TENSION ADJUSTMENT RANGE ON IDB MODELS



FORWARD CURVED BLOWERS OPERATE AT LOW RPM FOR LOW NOISE



200 SERIES
Indoor Applications,
Insulated or Non-Insulated



9200 SERIES
Heavy duty, Insulated Indoor
or Outdoor Applications



9200-VIB SERIES
With Internal Spring Vibration Isolation



TWIN UNIT AVAILABLE

Call for pricing & availability.

200, 9200 & 9200-VIB SERIES

Single & Twin Forward Curved Inline Duct Blowers

- As part of an HVAC system Delhi Duct Blowers will not “surge”, “hunt”, or “stall”.
- Optional variable pitch motor pulley permits field adjustment (typically + or - 15%) to match air delivery needs.
- For the quietest operational needs we offer optional internal spring isolation of the blower/motor from the housing thus greatly reducing radiated cabinet noise (9200-VIB only).
- Our twins (two duct blowers on a common shaft) is a wide but not tall solution for situations where vertical space is limited.
- Quiet forward curved blowers operate at ½ the rpm of other inline solutions.
- An outdoor series, 9200, is available.

INDUSTRIES SERVED

- Commercial HVAC
- Ventilation
- Heating
- Cooling
- Construction



Canarm certifies that the 200 & 9200 Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



AVAILABLE WITH MOTORS & DRIVES FACTORY INSTALLED. CONSULT OUR DELAIR FAN SELECTION SOFTWARE FOR DETAILS.

FEATURES

- **Wheel Diameters:** 7” through 20”
- **CFM:** Approximately 500 to 12,500 CFM in a single blower (Twins available).
- **Static Pressure:** Usage to about 3” static pressure is common, although allowable range is higher.
- Constructed from cold rolled steel, with green baked on powder coat. The outdoor unit uses protective galvaneal steel under the powder coat.
- Forward Curved blowers operate at low RPM for low noise levels.
- Heavy duty ball bearings suitable for -65° F to +250° F.
- Keywayed shafts both ends for clockwise or counter clockwise rotation.
- Saddle type motor mounting platform provides extended belt tension adjustment range on all models.

Twin Units (not illustrated) use a common shaft for balanced air supply by each blower.

PERFORMANCE SPECIFICATIONS

CFM values listed right are summarized for convenience. For full performance data refer to our Delair program.

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

MODEL	TYPICAL MAXIMUM CFM @ SP						Min HP	Max HP
	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP			
207	1400	1250	1100	900	700	1/6	3/4	
209	1800	1600	1400	1100	800	1/6	3/4	
9209	2400	2300	2100	1900	1700	1/6	1 1/2	
9210	2900	2700	2500	2100	1700	1/6	1 1/2	
9210	2900	2700	2500	2100	1700	1/6	1 1/2	
9212	3600	3200	2800	2300	1800	1/6	1 1/2	
9212	4300	4300	4100	3800	3500	1/6	3	
215	5700	5200	4600	4000	3400	1/3	3	
9215	6200	6200	6200	5700	5200	1/3	5	
218 & 9218	9000	8250	7500	6700	5750	1/2	5	
9220	13000	13000	13000	13000	13000	3/4	15	

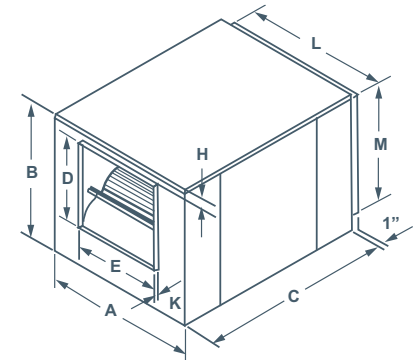
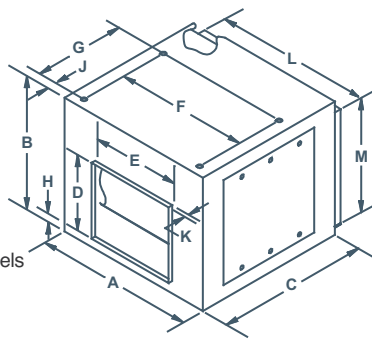
*CONSULT OUR DELAIR SOFTWARE FOR FAN CURVES & PERFORMANCE DATA. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

TYPICAL APPLICATIONS FOR OUR INLINE BLOWERS

- An Inline make-up air solution for cases where a rooftop curb mounted solution is not available.
- As an air moving module for systems built up with other components such as heating/cooling coils.
- Noise sensitive areas - the low rpm forward curved wheel typically radiates less vibration than higher rpm backward inclined wheel solutions.
- When the application requires an air mover in a duct system located in a ceiling space.
- Redistribution or recirculation of air in a work space.
- Interlocked with entry doors to prevent entry of cold outdoor air into retail sales space and thus greets customers with warmth.
- Bathroom/ rest room exhaust - one duct blower serving multiple intakes.

IDB, IDB-X, 200, 9200 & 9200-VIB SERIES

Single & Twin Forward Curved Inline Duct Blowers



TWIN UNIT AVAILABLE

Twin unit available for 200, 9200, 9200-VIB models
Call for pricing & availability.

DIMENSIONS

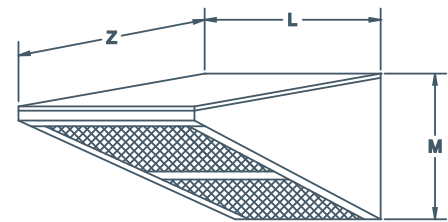
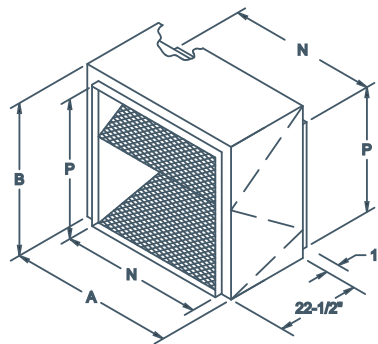
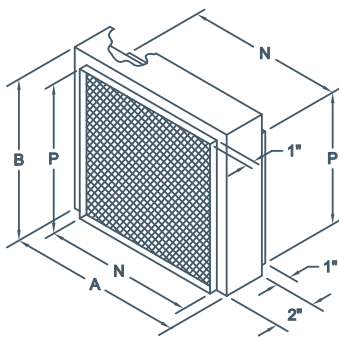
MODEL	A	B	C	OUTLET							INLET		SHAFT DIAMETER	UNIT WEIGHT (LBS) (without motor)
				D	E	F	G	H	J	K	L	M		
IDB07 / IDB-X / 207	18"	15.375"	23"	8 1/4"	9 3/16"	14 1/2"	9 5/8"	1 1/4"	1 1/4"	7/8"	15 7/8"	13 3/8"	3/4"	43
IDB09 / IDB-X / 209	21"	18"	23"	10 1/4"	11 13/16"	17 1/2"	11 3/4"	1 1/4"	1 3/4"	7/8"	19"	16"	3/4"	55
IDB10 / IDB-X / 210	22.25"	20"	24 3/4"	11 3/8"	13 1/8"	18 3/4"	13 3/8"	1 1/4"	1 3/4"	7/8"	20 1/4"	18"	3/4"	65
IDB12 / IDB-X / 212	27"	23"	27 1/2"	13 7/16"	15 5/8"	23 1/2"	16 1/8"	1 1/4"	1 3/4"	7/8"	25"	21"	3/4"	82
IDB15 / IDB-X / 215	33.5"	28"	32"	15 7/8"	18 5/8"	28"	19 1/2"	2 5/8"	1 3/4"	7/8"	30 1/2"	25"	1"	140
218	41.5"	34"	44"	19 5/8"	22 5/8"	35"	24"	2 3/4"	1 3/4"	1 1/8"	35 3/8"	31 5/8"	1"	158
9209	21"	18"	23"	11 1/4"	12 3/4"	N/A	N/A	1"	N/A	1 1/8"	19"	16"	3/4"	61
9210	22 1/4"	20"	24 3/4"	12 3/8"	14 1/8"	N/A	N/A	1"	N/A	1 1/8"	20 1/4"	18"	3/4"	70
9212	30 1/8"	24 3/4"	34"	14 1/2"	16 5/8"	N/A	N/A	2 1/8"	N/A	1 1/8"	25 1/8"	21 1/8"	1"	143
9215	33 3/4"	28 5/8"	38 1/8"	17"	19 5/8"	N/A	N/A	2 1/8"	N/A	1 1/8"	30 5/8"	25 1/4"	1"	176
9218	41 1/2"	34"	44"	19 5/8"	22 5/8"	N/A	N/A	2 3/4"	N/A	1 1/8"	35 3/8"	31 5/8"	1"	323
9220	44 3/4"	41 1/8"	57 1/2"	25 3/4"	25 3/4"	N/A	N/A	3"	N/A	1 1/8"	38 3/8"	35 1/8"	1 7/16"	515

ACCESSORIES

- Filter sections
- Intake Hoods
- External Vibration Isolators
- Hot Water Coils
- Chilled Water Coils

FILTER SECTIONS & INTAKE HOODS

Series F200A, F9200A & H9200



F200A FILTER SECTION
For IDB, IDB-X, 200 & 9200 Series
Duct Blowers

F9200A FILTER SECTION
For Model 9200 Duct Blowers

H9200 INTAKE HOOD
For 9200 Series Duct Blowers

MODEL	A	B	N	P	FILTER		UNIT WEIGHT (LBS)
					SIZE	QUANTITY	
F207A	17 3/4"	15 3/8"	16"	13 1/2"	14 1/8" X 16 5/8"	1	11
F209A	21"	18"	19 1/8"	16 1/8"	16 3/4" X 19 7/8"	1	12
F210A	22 1/4"	20"	20 3/8"	18 1/8"	18 3/4" X 21 1/8"	1	14
F212A	27"	23"	25 1/8"	21 1/8"	21 3/4" X 25 7/8"	1	16
F215A	32 1/2"	26 3/4"	30 5/8"	25 1/8"	25 3/4" X 31"	1	21
F218A	37"	33 1/4"	35 1/4"	31 1/2"	32 1/4" X 35 7/8"	1	46
F9220A	39 3/4"	37 1/4"	38 1/2"	35 1/4"	20" X 25"	6	64

MODEL	L	M	Z	FILTER		UNIT WEIGHT (LBS)
				SIZE	QUANTITY	
H9209	19 1/4"	16 9/16"	21 1/4"	16" X 24"	1	14
H9210	20 1/2"	18 9/16"	25 3/4"	15" X 20"	2	16
H9212	25 3/8"	21 9/16"	30 3/4"	20" X 25 & 16" X 25"	2	27
H9215	31 3/16"	25 13/16"	33 1/2"	20" X 28 1/2"	2	38
H9218	35 5/8"	32 11/16"	40 1/4"	20" X 25 (2) & 16" X 25"	3	50
H9220	38 5/8"	35 9/16"	22"	FILTERS NOT INCLUDED USE F9220A		40



2 Row Coil
Horizontal or Vertical
Installation

HC SERIES
Hot Water Heating Coils



4 Row Coil Sloped
Drain Pan for Positive
Condensate
Removal

CW SERIES
Chilled Water Cooling Coils
with built in Condensate pan

HC & CW SERIES
Heating & Cooling Coils

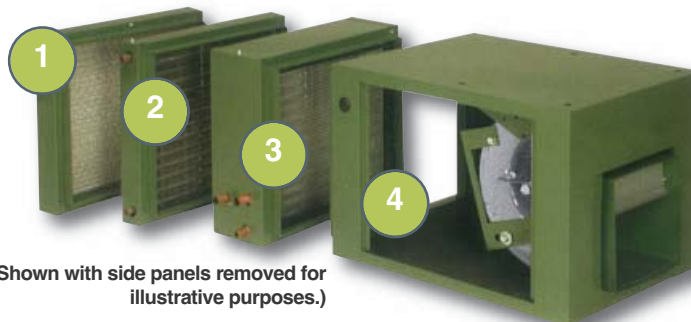
FEATURES

- Designed for use with matching Canarm 200, IDB or 9200 Series Duct Blower & Filter Section.
- Modular concept provides the flexibility and convenience of assembling readily available components into a system to meet custom heating and cooling requirements.
- Lead free construction - Safe for use with potable water systems.
- Attractive green baked powder coat cabinet finish.
- Convenient for both new or renovation installations.
- Aluminum finish on copper tube construction.
- Suitable for remote installation in duct.

All coils are sized to mount to the inlet of the corresponding sized duct blower or coil and filter section as illustrated in the modular set up.

Typical System comprised of Filter section, Heating Coil & Duct Blower)

- 1 - F210 Filter Section
- 2 - HC-10 Hot Water Coil
- 3 - CW-10 Cooling Coil
- 4 - 210 Duct Blower



(Shown with side panels removed for illustrative purposes.)

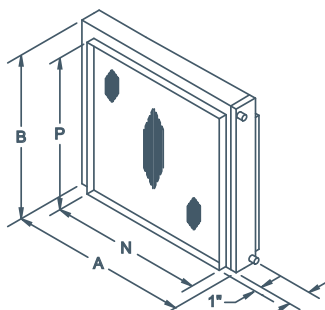
MATCHING COIL SECTIONS

DUCT BLOWER	HEATING COIL	CHILLED WATER COIL	FILTER	INTAKE HOOD
207 / IDB07	HC-07	CW-07	F207A	N/A
209 / IDB09 / 9209	HC-09	CW-09	F209A	H9209
210 / IDB10 / 9210	HC-10	CW-10	F210A	H9210
212 / IDB12 / 9212	HC-12	CW-12	F212A	H9212
215 / IDB15 / 9215	HC-15	CW-15	F215A	H9215

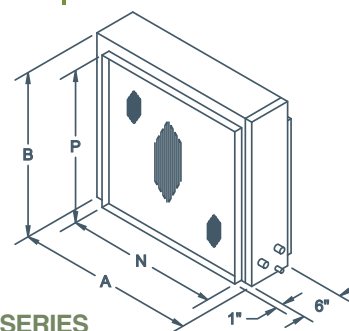
DIMENSIONS

MODEL	HC-CW COILS					HC COILS			CW COILS		
	A (HC)	A (CW)	B	N	P	INLET	OUTLET	UNIT WEIGHT (LBS)	INLET	OUTLET	UNIT WEIGHT (LBS)
HC-07 & CW-07	17 3/4"	17 3/4"	15 3/8"	16"	13 1/2"	5/8"	5/8"	10	5/8"	5/8"	22
HC-09 & CW-09	21"	21"	18"	19 1/8"	16 1/8"	5/8"	5/8"	14	7/8"	7/8"	29
HC-10 & CW-10	22 1/4"	22 1/4"	20"	20 3/8"	18 1/8"	5/8"	5/8"	17	7/8"	7/8"	36
HC-12 & CW-12	27"	27"	23"	25 1/8"	21 1/8"	3/4"	3/4"	23	7/8"	7/8"	42
HC-15 & CW-15	32 1/2"	33 1/2"	26 3/4"	30 5/8"	25 1/8"	3/4"	3/4"	32	7/8"	7/8"	61

DRAIN IS 5/8" IN -OD



HC SERIES



CW SERIES

DFRC-ES SERIES CIRCULAR DUCT FANS

High efficient inline duct fans are ideal for residential and commercial ventilation applications such as range hoods, bath fans & dryers.

DFRC-ES Series in-line duct fans from Canarm are versatile, energy efficient and can effectively ventilate meeting rooms, bathrooms and other hard to ventilate areas. DFRC-ES fans can also be used to boost airflow in long runs of round duct.

Available in 4", 5", 6", 8", 10" and 12" diameters the DFRC-ES series features a high quality external rotor motor and a quiet, efficient backward curved impeller for effective airflow even under higher static pressures.

FEATURES

- Available in 4", 5", 6", 8", 10" and 12" diameters.
- Quiet and efficient backward curved impeller
- Powerful, efficient external rotor motor
- Speed controllable with Canarm MC series controls
- High flow against high static pressure
- Remove noise from main living area by mounting remotely
- Quick and easy installation.

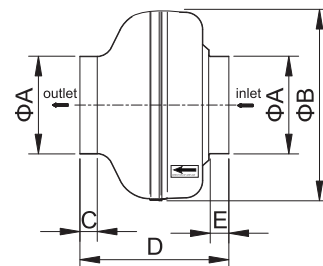
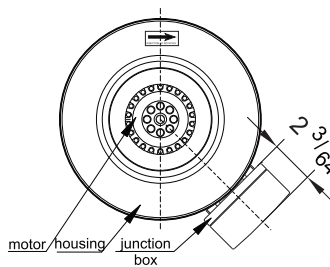


PERFORMANCE DATA

MODEL	PART #	DIAMETER	POWER RATING (V)	INPUT POWER (W)	ELECTRIC CURRENT (A)	SPEED (RPM)	SOUND LEVEL (dB)	NET WEIGHT	CFM @ STATIC PRESSURE									ENERGY EFFICIENCY (CFM/WATT)
									0.0" SP	0.2" SP	0.4" SP	0.6" SP	0.8" SP	1.0" SP	1.5" SP	2.2" SP	2.5" SP	
DFRC-4ES	DJT10-25H	4"	120	40	0.35	2912	60	7 lbs	157	135	113	89	67	29	--	--	--	3.2
DFRC-5ES	DJT12-35H	5"	120	53	0.45	2593	62	7 lbs	202	167	133	107	81	52	21	--	--	3.0
DFRC-6ES	DJT15-46H	6"	120	74	0.63	2534	61	8 lbs	273	236	198	163	131	92	47	--	--	3.1
DFRC-8ES	DJT20-56H	8"	120	128	1.19	3158	70	13 lbs	484	457	426	393	350	306	241	89	--	3.5
DFRC-10ES	DJT25-66H	10"	120	140	1.20	3028	71	13 lbs	598	556	509	460	412	359	260	87	--	3.9
DFRC-12ES	DJT31-66J	12"	120	203	1.77	2443	70	16 lbs	815	710	579	424	319	263	185	93	62	3.5

DIMENSIONS

MODEL	PART #	ØA	ØB	C	D	E	IMPELLER DIAMETER
DFRC-4ES	DJT10-25H	4"	9 1/2"	5/8"	8 3/8"	5/8"	Ø6 1/8"
DFRC-5ES	DJT12-35H	5"	9 1/2"	7/8"	7 1/2"	1"	Ø6 7/8"
DFRC-6ES	DJT15-46H	6"	10 5/8"	3/4"	7 5/8"	5/8"	Ø7 1/2"
DFRC-8ES	DJT20-56H	8"	13 1/2"	1 1/8"	9"	7/8"	Ø8 5/8"
DFRC-10ES	DJT25-66H	10"	13 1/2"	1 1/8"	9"	1 1/8"	Ø9 1/2"
DFRC-12ES	DJT31-66J	12"	15 3/4"	1 1/8"	10 1/4"	1 1/8"	Ø9 7/8"



ACCESSORIES



MOUNTING CLAMPS



BACKDRAFT DAMPERS



EXHAUST & SUPPLY GRILL



MC CONTROLS



SENSORS



CONTROL TIMERS



DUCT FANS



Significantly improves airflow in rooms that are too cold or too hot.

If you have trouble regulating your cooling and heating, a duct fan might be your affordable solution. Duct Fans increase the efficiency of a forced air furnace/air conditioning system.

FEATURES

- Solves airflow problems without any large expenses
- Can be installed at any angle
- Saves on utility bills



- Can boost airflow up to 80%
- Quiet operation
- One year warranty



DA4S

- Size: 4"
- Metal construction
- Blades type: polycarbonate
- Mounting: in-line
- Max boosted CFM: 75
- Free air CFM: 62
- dBA/sones: 52/2.4
- Housing length: 6"
- Crimped on both ends
- Weight: 1.37 lbs



DA5S

- Size: 5"
- Metal construction
- Blades type: polycarbonate
- Mounting: in-line
- Max boosted CFM: 128
- Free air CFM: 73
- dBA/sones: 51/2.2
- Housing length: 6"
- Weight: 1.85 lbs



DA6S

- Size: 6"
- Metal construction
- Blades type: polycarbonate
- Mounting: in-line
- Max boosted CFM: 255
- Free air CFM: 165
- dBA/sones: 52/2.4
- Housing length: 6"
- Weight: 2.14 lbs



DA8S

- Size: 8"
- Metal construction
- Blades type: polycarbonate
- Mounting: in-line
- Max boosted CFM: 500
- Free air CFM: 212
- dBA/sones: 54/2.8
- Housing length: 8"
- Weight: 3.59 lbs



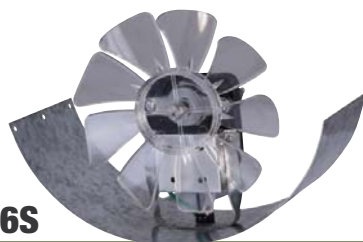
D10S

- Size: 10"
- Metal construction
- Blades type: aluminum
- Mounting: in-line
- Max boosted CFM: 647
- Free air CFM: 300
- dBA/sones: 55/3
- Housing length: 8"
- Weight: 4.63 lbs



DF7

- Doorway Fan
- Size: 7" H x 7" W x 31/2" D
- Blades type: polycarbonate
- Mounting: door corner
- Cord and plug, in-line switch
- dBA/sones: 50
- Weight: 2.31 lbs



DB6S

- Size: 6" to 8"
- Metal construction
- Blades type: polycarbonate
- Mounting: in-line
- Max boosted CFM: 253
- Free air CFM: 170
- dBA/sones: 50/2.2
- Housing length: 4" x 11"
- Weight: 1.72 lbs



DA6V

- Size: 6"
- Metal construction
- Blades type: polycarbonate
- Mounting: in-line
- Max boosted CFM: 295
- Free air CFM: 160/175
- dBA/sones: 50/52 2.4
- Housing length: 6"
- Weight: 2.14 lbs



BPT SERIES BATHROOM EXHAUST FANS

- Canarm BPT series bathroom ventilators are high quality, low noise units which meet the needs of today's quality builders and contractors.
- With CFM ratings of 70, 110 and 150, we have units to meet every size bathroom.
- All Canarm BPT series bathroom fans are EnergyStar and HVI certified for energy efficiency, CFM and low sones.

BPT12-13H

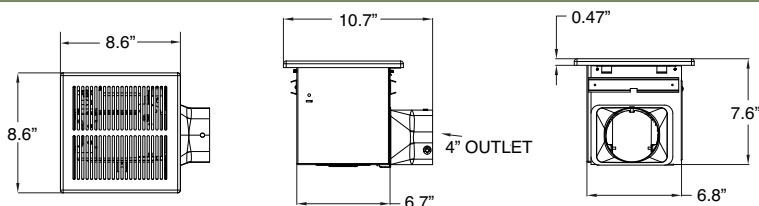
FOR BATHROOM SIZE UP TO 75 FT²



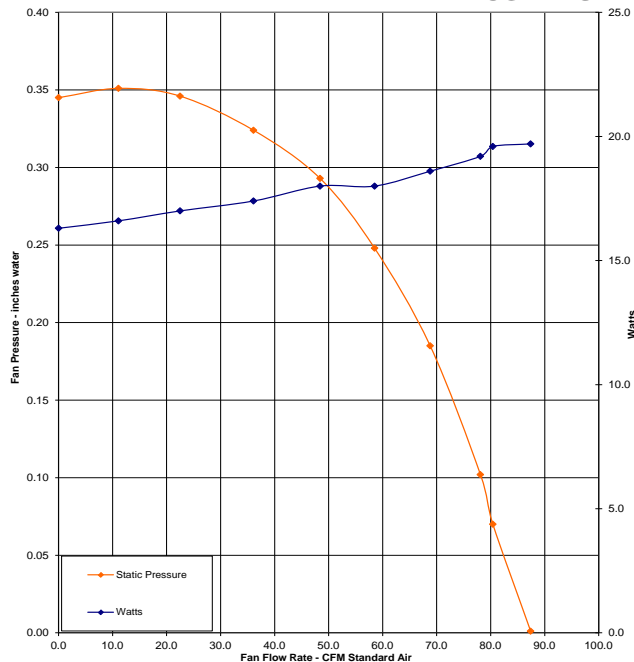
- 70 CFM
- 1 sone
- 17 Watts
- 120 V Motor
- 4" outlet
- Comes with plastic grill
- Shipping weight: 8.0 lbs.



DIMENSIONS



FAN CURVES



BPT18-34A-1

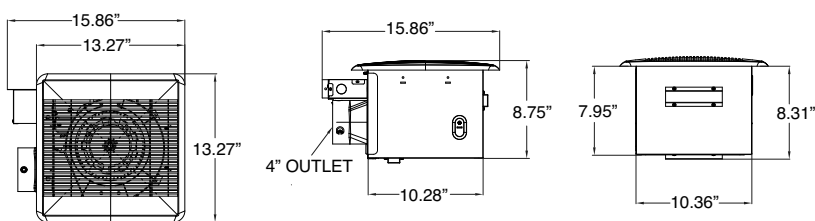
FOR BATHROOM SIZE UP TO 105 FT²



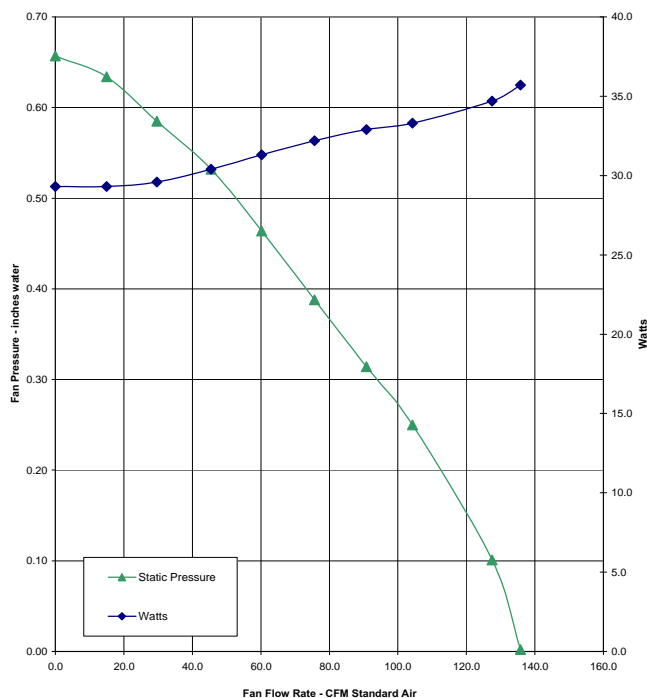
- 110 CFM
- 1 sone
- 31 Watts
- 120 V Motor
- 4" outlet
- Comes with plastic grill
- Shipping weight: 13.9 lbs.



DIMENSIONS



FAN CURVES



BPT SERIES BATHROOM EXHAUST FANS

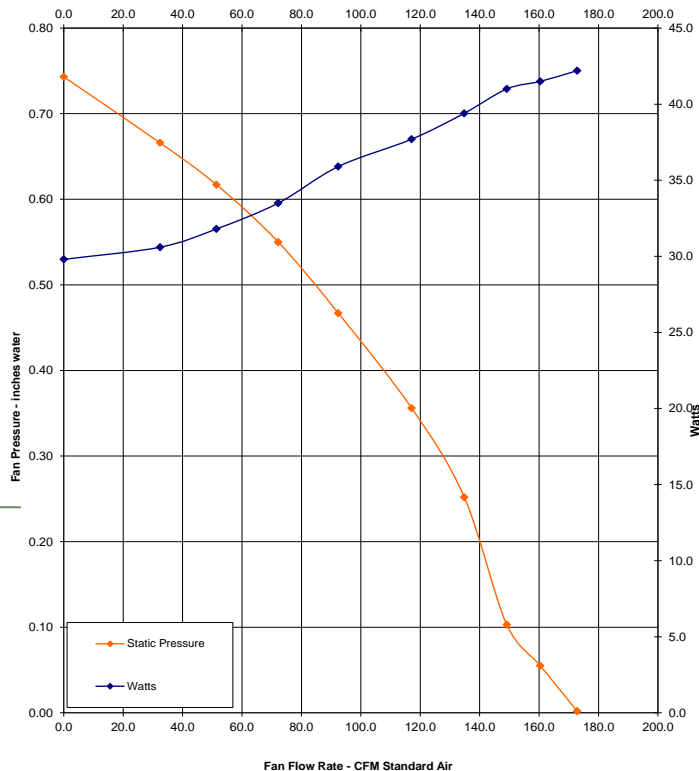
BPT18-54A-1

FOR BATHROOM SIZE UP TO 200 FT²

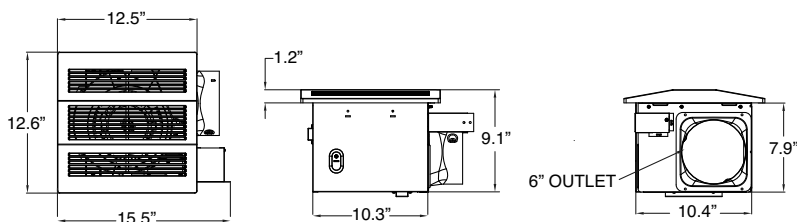
FAN CURVES



- 150 CFM
- 1.5 sone
- 42 Watts
- 120 V Motor
- 6" outlet
- Comes with plastic grill
- Shipping weight: 15.7 lbs.



DIMENSIONS



OPTIONAL CONTROLS & TIMERS

CONTROL



KHG603

7 DAY HEAVY DUTY WALL MOUNT TIMER

- 3 way relay control
- automatic or manual operation
- program up to 18 On/Off settings per week
- large digital LCD display
- built-in memory
- multiple daily settings
- standard decorator style wall plate included



KHG602

60 MINUTE WALL MOUNT RELAY CONTROL TIMER

- in-wall relay control
- seven button preset time switch
- replaces a standard light or fan, single pole switch
- works with most common lighting types
- for use in interior lighting and outdoor lighting
- time delay: 1, 5, 10, 20, 30, 60 minutes
- standard decorator wall plate included



KHG601

150° 980 SQ.FT. WALL MOUNT MOTION ACTIVATED SENSOR

- passive infrared relay control
- turns lights on/off
- manual On/Off setting allows use as a regular switch
- time delay off setting is adjustable from 15 seconds to 30 minutes
- adjustable sensitivity settings
- standard decorator wall plate included

AXC SERIES - INLINE DUCT FANS

Ideal air movers for residential, commercial and industrial applications.

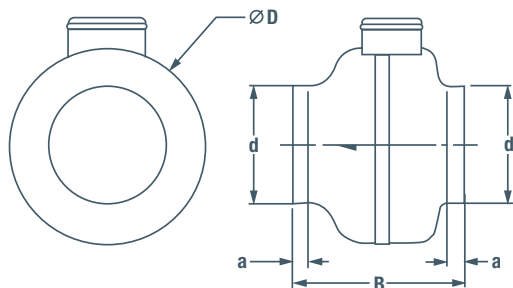


FEATURES

- Maintenance free and energy efficient external rotor motor.
- Handles high static pressure.
- Backward curved impellers which greatly reduce operating noise levels.
- Completely speed controllable.
(See MC series controls on page K3 in Controls & Thermostats section).
- Heavy gauge drawn steel housing epoxy coated inside and out for superior corrosion protection.

DIMENSIONS

MODEL	D	d	a	B
AXC100A-ES	9.5"	3.9"	1.0"	8.3"
AXC100B	9.5"	3.9"	1.0"	8.3"
AXC125A-ES	9.5"	4.8"	1.0"	8.3"
AXC125B	9.5"	4.8"	1.0"	8.3"
AXC150A-ES	9.5"	5.8"	1.0"	8.3"
AXC150B-ES	13.2"	5.8"	1.0"	9.1"
AXC200A-ES	13.2"	7.8"	1.0"	9.1"
AXC200B-ES	13.2"	7.8"	1.0"	9.1"
AXC250-ES	13.2"	9.8"	1.0"	9.1"
AXC300A-ES	15.9"	11.8"	1.2"	11.8"
AXC300B-ES	15.9"	11.8"	1.2"	11.8"
AXC355A	19.0"	14.0"	1.5"	15.7"
AXC355B	19.0"	14.0"	1.5"	15.7"



PERFORMANCE DATA

MODEL	DIAMETER	VOLTS	AMPS (FLA)	WATTS	RPM	dB(A) @ 1M	ENERGY STAR	WEIGHT (LBS)	CFM @ STATIC PRESSURE									
									0" SP	0.2" SP	0.4" SP	0.6" SP	0.8" SP	1.0" SP	1.2" SP	1.5" SP	2.0" SP	3.0" SP
AXC100A-ES	4"	120	0.36	43.3	2580	44	Yes	7	147	130	107	82	57	34	11	-	-	-
AXC100B	4"	120	0.69	83.4	2620	54	No	7	150	140	127	112	94	74	53	23	-	-
AXC125A-ES	5"	120	0.37	62	1650	47	Yes	7	179	150	121	87	49	14	-	-	-	
AXC125B	5"	120	0.7	85.4	2750	53	No	7	183	160	141	122	101	77	51	14	-	-
AXC150A-ES	6"	120	0.4	46.8	2390	51	Yes	7	235	190	148	97	44	-	-	-	-	
AXC150B-ES	6"	120	0.74	89.2	2450	49	Yes	11	308	260	216	175	139	108	81	47	-	-
AXC200A-ES	8"	120	0.7	84.5	2550	56	Yes	11	368	300	234	184	149	114	70	-	-	-
AXC200B-ES	8"	120	1.6	188	2550	58	Yes	11	579	520	453	387	329	282	245	206	154	-
AXC250-ES	10"	120	1.6	197	2470	59	Yes	11	616	550	488	431	379	330	286	227	143	-
AXC300A-ES	12"	120	1.8	206	2450	62	Yes	18	780	700	595	420	330	290	255	210	132	-
AXC300B-ES	12"	120	2.6	312	2780	65	Yes	20	970	910	803	680	559	453	367	273	164	-
AXC355A	14"	120	2.88	334	1360	57	No	26	1325	1150	960	790	660	550	430	238	-	-
AXC355B	14"	120	7.81	830	2900	77	No	31	1400	1370	1325	1250	1210	1135	1090	1000	880	675

ACCESSORIES

FAN SIZE	BACKDRAFT DAMPER	MOUNTING CLAMPS	EXHAUST & SUPPLY GRILLS
4"	BD100	MC100	GR100
5"	BD125	MC125	GR150
6"	BD150	MC150	GR150
8"	BD200	MC200	GR200
10"	BD250	MC250	-
12"	BD300	MC300	-
14"	BD355	MC355	-



MOUNTING CLAMPS



BACKDRAFT DAMPERS



EXHAUST & SUPPLY GRILL



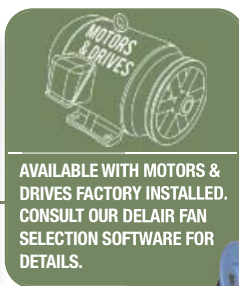
SENSORS



CONTROL TIMERS



AXC models are special non-stock items and cannot be returned or cancelled.



AVAILABLE WITH MOTORS & DRIVES FACTORY INSTALLED. CONSULT OUR DELAIR FAN SELECTION SOFTWARE FOR DETAILS.



OPTIONAL 1 TO 15 HP MOTOR PLATFORM FOR MODELS 420, 422 & 425

400 SERIES

FC Exhauster Belt Drive Utility Blowers

FEATURES

- Universal frame allows for choice of discharge position.
- Multiple choice for motor mounting location with each discharge position.
- Motor mounting hardware supplied with models 407 to 418.
- Optional platform for models 420 to 425.
- Keywayed shafts
- Spider bearing brackets for models 407 - 418. Pillow block bearings with T bar support for models 420, 422 & 425.
- Ball bearings suitable for -65° to + 250° F.
- Optional back draft dampers, inlet & outlet screens and belt guards.
- Shafts 420, 422 & 425 models are keywayed for wheels and pulleys (407 to 418 models for pulleys only).

PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP						
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP	Max HP
407	1000	900	800	700	500	1
409	2100	2000	1900	1850	1750	2
410	2600	2400	2300	2150	2050	2
412	3250	3000	2850	2700	2600	2
415	5260	4850	4500	4150	3550	3
418	6700	6300	5950	5550	5200	5
420	9300	8850	8500	8000	7700	7 1/2
422	10300	9750	9200	8600	8000	7 1/2
425	14300	13400	12550	11850	11400	10

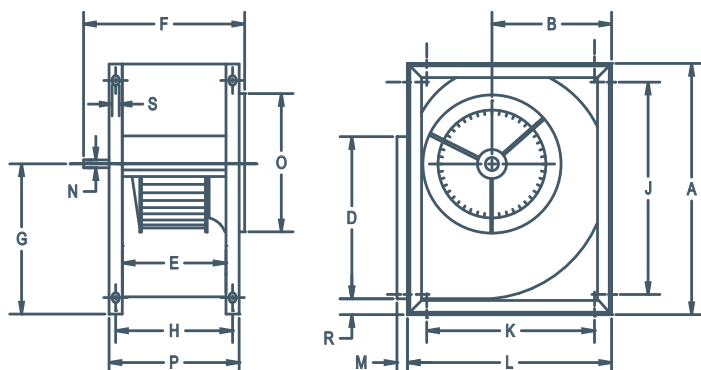
Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

CFM values listed above are summarized for convenience.

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

DIMENSIONS

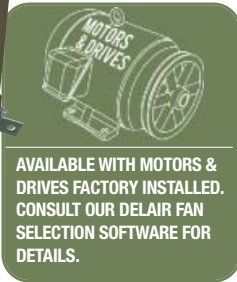
MODEL	A	B	D	E	F	G	H	J	K	L	M	N	O	P	R	S	WHEEL DIAMETER	WHEEL WIDTH	UNIT WEIGHT (LBS) (without motor)
407	14 1/4"	6 1/2"	8 3/8"	6 7/8"	11 5/8"	8 5/8"	8"	11 1/16"	8 7/8"	11 3/4"	3/4"	3/4"	9"	9"	1 1/2"	7/16"	8 1/26"	4 15/16"	16
409	17 1/4"	7 15/16"	10 1/4"	9 3/16"	13 15/16"	10 1/8"	10 5/16"	14 5/8"	11 3/4"	14 1/2"	3/4"	3/4"	10"	11 5/16"	1 1/2"	7/16"	9 13/16"	7 3/16"	23
410	19 1/8"	9"	11 3/8"	9 3/16"	13 15/16"	11 1/4"	10 5/16"	16 1/4"	13 1/2"	16 1/4"	3/4"	3/4"	12"	11 5/16"	1 1/2"	7/16"	11 1/8"	7 3/16"	26
412	22 1/4"	10 9/16"	13 1/2"	9 3/16"	13 15/16"	13"	10 5/16"	19 5/8"	16 1/4"	19"	3/4"	3/4"	14"	11 5/16"	1 1/2"	7/16"	12 7/8"	7 3/16"	30
415	29 3/4"	14 3/4"	17"	12 1/2"	17 3/8"	18 1/8"	13 3/4"	27 1/4"	22 5/8"	25 1/4"	3/4"	1"	17"	14 3/4"	1 1/2"	7/16"	15 1/2"	9 9/16"	56
418	30 3/4"	14 15/16"	18 7/8"	14"	20 3/8"	17 3/4"	15 5/8"	28 1/2"	24"	26 1/2"	3/4"	1"	18"	17 1/4"	1 1/2"	7/16"	18 1/2"	10 13/16"	87
420	38"	18 5/16"	24 3/4"	15 3/4"	24 1/4"	22 9/16"	17 1/4"	32 7/16"	25 7/16"	31 1/4"	1 1/2"	1 3/16"	21"	19 3/4"	2"	5/8"	20 7/16"	10 1/4"	189
422	41 1/2"	20 1/16"	27 1/4"	17 1/8"	25 5/8"	24 5/8"	18 5/8"	35 31/32"	28 15/32"	34 1/4"	1 1/2"	1 3/16"	22 1/2"	21 1/8"	2"	5/8"	22 1/8"	11 1/4"	214
425	46 3/4"	22 5/8"	31 1/4"	19 5/8"	28 1/2"	27 3/4"	21 1/8"	41 7/32"	32 17/32"	38 3/8"	1 1/2"	1 3/16"	26 3/4"	23 5/8"	2"	5/8"	25 1/4"	13"	252



ACCESSORIES

- Back Draft Dampers
- Inlet & Outlet Screens
- Corrosion Resistant Finishes
- Vibration Isolation
- Belt Guard

For more information on available accessories, see page B13 in Roof Mount Ventilation section.



AVAILABLE WITH MOTORS & DRIVES FACTORY INSTALLED. CONSULT OUR DELAIR FAN SELECTION SOFTWARE FOR DETAILS.

FEATURES

- Available in 10" to 27" sizes.
- Heavy duty, non-overloading backward inclined wheel.
- Pivoted motor mounting base for convenient belt tension adjustment.
- Air handler pillow block bearings mounted on rigid angle iron frame.
- Leak proof access panels with gasket.
- Angle iron mounting lugs can be relocated for base or suspension mounting or positioning motor on the top, side or bottom of blower.
- For side discharge simply re-locate the side panel to the normal discharge opening.
- Motor cover supplied.
- Junction box.

DIMENSIONS

DSQ-B SERIES

Backward Inclined Belt Drive Square Inline Blowers

UNIT WITH MOTOR COVER REMOVED.



PERFORMANCE SPECIFICATIONS

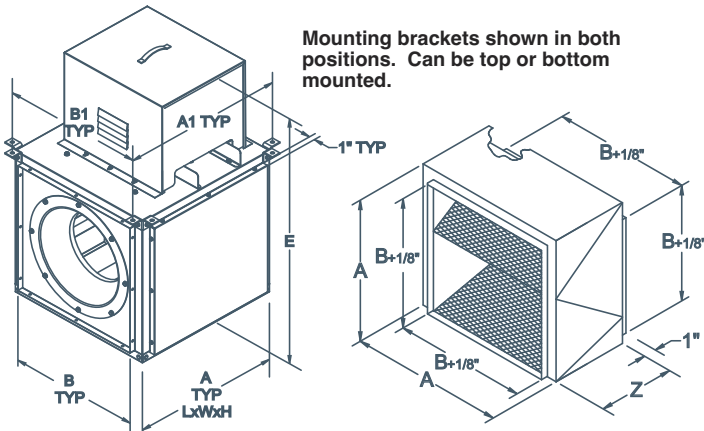
MODEL	TYPICAL MAXIMUM CFM @ SP					Min HP	Max HP
	1/2" SP	1" SP	1 1/2" SP	2" SP			
DSQ-B-10	1700	1500	1300	1100	1/4	1	
DSQ-B-12	2700	2400	2100	1900	1/4	1 1/2	
DSQ-B-13	3100	2800	2400	2000	1/3	1 1/2	
DSQ-B-15	4000	3600	3200	2600	1/3	2	
DSQ-B-16	5400	5000	4600	4000	1/3	3	
DSQ-B-18	6000	5600	5000	4400	1/2	3	
DSQ-B-20	7200	6400	5600	4600	1/2	3	
DSQ-B-22	9500	9000	8300	7500	3/4	5	
DSQ-B-24	12500	12000	11200	10500	1	7 1/2	
DSQ-B-27	14500	13500	12500	11000	1	7 1/2	

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories).

CFM values listed above are summarized for convenience.

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DSQ-B BELT DRIVE BACKWARD INCLINED SQUARE INLINE BLOWER							F-DSQ FILTER SECTION								
MODEL	L' X W X H		INLET/OUTLET		MOUNTING BRACKET HOLES		MOTOR ENCLOSURE		UNIT WEIGHT (LBS)(without motor)	MODEL	A	B	Z	FILTER FACTOR	UNIT WEIGHT(LBS)
	A	B	A1	B1	D	E	F-DSQ-10	F-DSQ-12							
DSQ-B-10	20 1/16" L X 16 1/16" W X 16 1/16" H	14"	20 9/13" L X 18 9/16" W X 18 9/16" H	19" L X 15" W X 15" H	15 1/4"	14 1/4"	62			F-DSQ-10	20 1/16" L X 16 1/16" W X 16 1/16" H	14"	6"	7.085	10
*NOTE: With the exception of DSQ-B-10, all models are cubes (DSQ-B-10 has extended length)															
DSQ-B-12	20 1/16"	17"	22 9/16"	18 3/4"	15 1/4"	34 5/16"	73			F-DSQ-12	20 1/16"	17"	6"	3.069	13
DSQ-B-13	22 1/16"	18 3/4"	24 9/16"	20 3/4"	15 1/4"	36 5/16"	85			F-DSQ-13	22 1/16"	18 3/4"	6"	2.184	15
DSQ-B-15	24 9/16"	20 7/8"	27"	23"	15 1/4"	38 13/16"	95			F-DSQ-15	24 9/16"	20 7/8"	14"	0.762	26
DSQ-B-16	26 1/16"	23"	28 9/16"	24 3/4"	16 3/4"	42 13/16"	123			F-DSQ-16	26 1/16"	23"	14"	0.630	27
DSQ-B-18	28 11/16"	25 3/8"	31 3/16"	27 1/8"	16 3/4"	45 7/16"	140			F-DSQ-18	28 11/16"	25 3/8"	14"	0.463	30
DSQ-B-20	31 7/16"	27 3/4"	33 7/8"	29 7/8"	16 3/4"	48 3/16"	165			F-DSQ-20	31 7/16"	27 3/4"	14"	0.346	33
DSQ-B-22	34 1/16"	31"	36 9/16"	32 3/4"	21 3/4"	55 13/16"	211			F-DSQ-22	34 1/16"	31"	20"	0.182	57
DSQ-B-24	37 9/16"	34"	40"	36"	21 3/4"	59 5/16"	241			F-DSQ-24	37 9/16"	34"	20"	0.134	64
DSQ-B-27	41 3/8"	37 1/2"	43 13/16"	39 5/16"	21 3/4"	63 1/8"	280			F-DSQ-27	41 3/8"	37 1/2"	20"	0.100	71



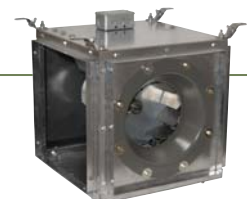
Filter Resistance = Filter Factor x CFM² x 10⁻⁸ in. wg

ACCESSORIES

- F-DSQ Filter section with 'V' bank 1" aluminum filters. (Filter rack will accept customer supplied 2" filters).
- Suspension or base mount vibration isolators.

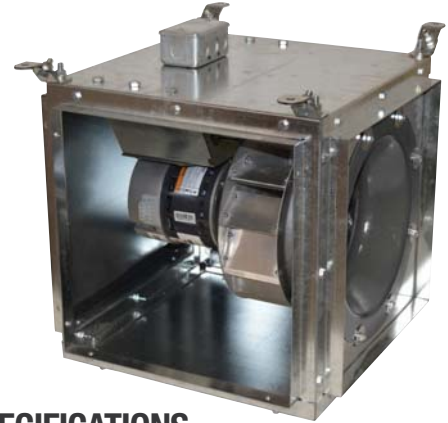
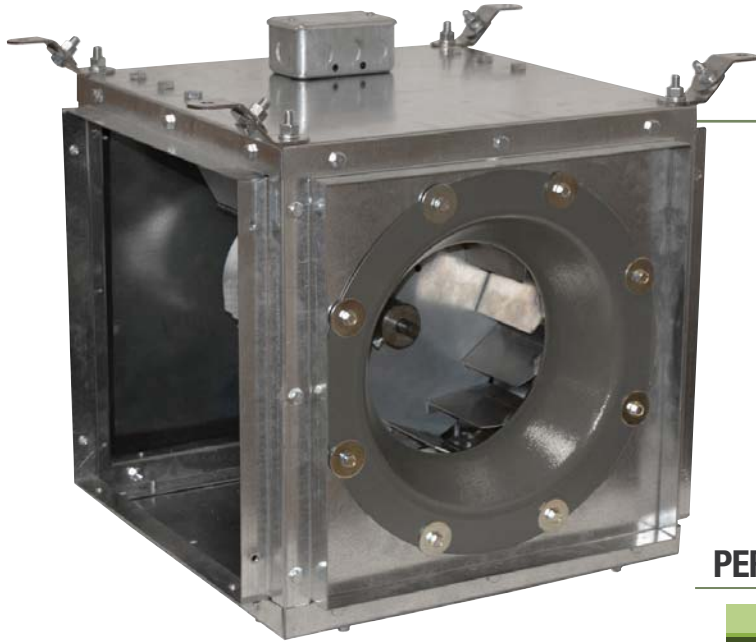
RELATED MODEL

GSQ-D
Backward Inclined Direct Drive Square Inline Blower



GSQ-D SERIES

Backward Inclined Direct Drive
Square Inline Blowers



FEATURES

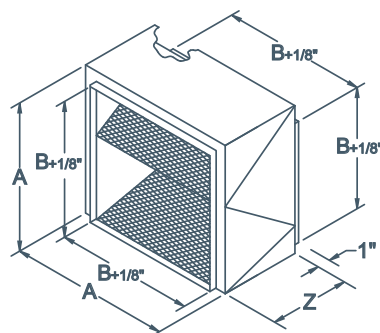
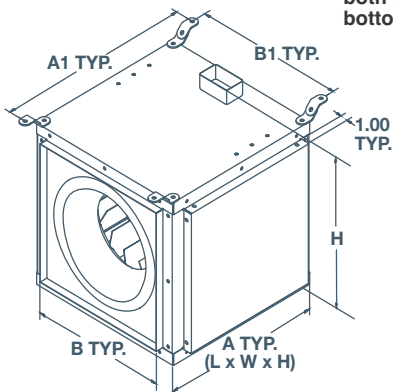
- Available in 10", 12", 13", 15", 16", & 18"
- High efficiency aluminum wheel
- Leak proof access panels with gasket
- Side discharge option as standard - simply re-locate the side panel to the discharge
- Bottom discharge available with flange kit
- Junction box
- High Efficiency EC Motor available

DIMENSIONS

GSQ-D DIRECT DRIVE BACKWARD INCLINED SQUARE INLINE BLOWER

MODEL	A	B	A1	B1	H
GSQ105-D	16"	14"	20 3/8"	14 3/4"	17 13/16"
GSQ120-D	20"	17"	24 3/8"	18 3/4"	21 13/16"
GSQ135-D	22"	18 3/4"	26 3/8"	20 3/4"	23 13/16"
GSQ150-D	24 1/2"	20 7/8"	28 7/8"	23 1/4"	25 5/16"
GSQ165-D	26"	23"	30 3/8"	24 3/4"	27 13/16"
GSQ180-D	28 5/8"	25 3/8"	33"	27 3/8"	30 7/16"

Mounting brackets shown in both positions. Can be top or bottom mounted.



PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP

MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	MAX HP	RPM
GSQ105-D	870	390	--	--	1/2 HP	1800
GSQ120-D	1630	1220	--	--	1/2 HP	1800
GSQ135-D	2280	1800	1120	--	1/2 HP	1800
GSQ150-D	3060	2680	3200	1400	1 HP	1800
GSQ165-D	TBA	TBA	TBA	TBA	1 1/2 HP	1500
GSQ180-D	TBA	TBA	TBA	TBA	2 HP	1200

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B - Free inlet, Ducted Outlet. Performance ratings do not include the effects of appurtenances (accessories).

CFM values listed above are summarized for convenience.

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F-GSQ FILTER SECTION

MODEL	A	B	Z	FILTER FACTOR	UNIT WEIGHT (LBS)
F-GSQ105	20"	14"	6"	7.085	10
F-GSQ120	20"	17"	6"	3.069	13
F-GSQ135	22"	18 3/4"	6"	2.184	15
F-GSQ150	24 1/2"	20 7/8"	14"	0.762	26
F-GSQ165	26"	23"	14"	0.63	27
F-GSQ180	28 5/8"	25 3/8"	14"	0.463	30

Filter Resistance = Filter Factor x CFM² x 10⁻⁸ in. wg

ACCESSORIES

- F-GSQ Filter section with 'V' bank 1" aluminum filters. (Filter rack will accept customer supplied 2" filters).
- Suspension or base mount vibration isolators.

RELATED MODEL

DSQ-B
Backward Inclined Belt Drive Square
Inline Blower

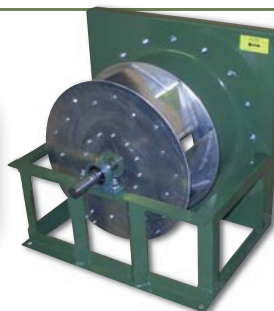




**Ask us about
Direct Drive
Plenum Fan Option**

DPL & DPL-AF SERIES

Flat Blade & Air Foil Blade Plenum Fans



DPL-AF BACK VIEW



DPL BACK VIEW

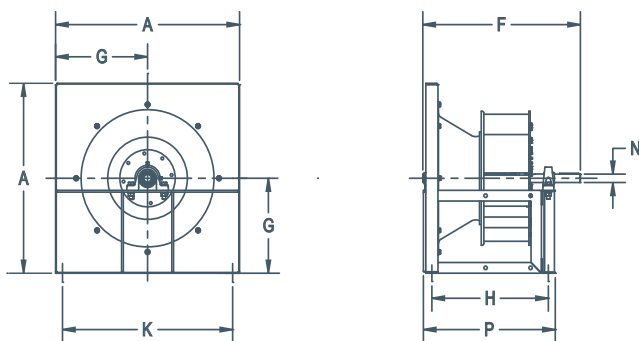
FEATURES

- Rigid welded angle iron frame construction.
- Full Class II capability.
- Min L10 bearing life of 35,000 hrs (average - L50 bearing life of 175,000 hrs).
- Standard welded backwardly inclined flat blade wheel for DPL-12 to DPL-36 (Aluminum available as option).
- Standard welded aluminum backward inclined airfoil wheel for DPL-18-AF to DPL-27-AF.



Canarm certifies that the DPL Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.

DIMENSIONS



MODEL	A	F	G	H	K	N	P	UNIT WEIGHT (LBS) (without motor & drives)
DPL-12	18 3/4"	17 5/8"	9 3/8"	12 1/2"	16 3/4"	1"	14 1/8"	51
DPL-13	20 5/8"	17 5/8"	10 5/16"	12 1/2"	18 5/8"	1"	14 1/8"	57
DPL-15	22 15/16"	18 5/8"	11 15/32"	13 1/2"	20 15/16"	1"	15 1/8"	68
DPL-16	24"	20 1/8"	12"	14-1/2"	22"	1 3/16"	16 1/8"	80
DPL-18 & DPL-AF-18	26 9/16"	22 3/4"	13 9/32"	16 13/16"	24 9/16"	1 3/16"	19 1/16"	91
DPL-20 & DPL-AF-20	29 1/16"	24 1/16"	14 17/32"	18 1/16"	27 1/16"	1 3/16"	20 5/16"	104
DPL-22 & DPL-AF-22	31"	27 1/16"	15 1/2"	20 7/16"	29"	1 7/16"	22 15/16"	148
DPL-24 & DPL-AF-24	34 1/8"	28 5/8"	17 1/16"	22"	32 1/8"	1 7/16"	24 1/2"	185
DPL-27 & DPL-AF-27	37 5/8"	30 7/16"	18 13/16"	23 13/16"	35 5/8"	1 7/16"	26 5/16"	205
DPL-30 & DPL-AF-30	40"	34"	20"	26 3/8"	38"	1 11/16"	29 3/16"	248
DPL-33 & DPL-AF-33	44"	36 15/16"	22"	28 3/8"	42"	1 15/16"	31 3/16"	306
DPL-36 & DPL-AF-36	48 11/16"	39"	24 11/32"	30 7/8"	46 11/16"	1 15/16"	33 11/16"	357

*DPL-AF-30, 33 and 36 currently under redesign. Please call factory.

PERFORMANCE SPECIFICATIONS

MODEL	CLASS	1" SP	3" SP	5" SP	7" SP	9" SP
DPL-12	II	4300	4000	3600	3000	--
DPL-13	II	5200	4700	4000	3000	--
DPL-15	II	5900	5200	4200	2800	--
DPL-16	II	7600	6800	5700	4200	--
DPL-18	I	7200	6400	2400	--	--
DPL-AF-18	II	9500	8500	7500	6500	4300
DPL-20	I	8800	7600	5200	--	--
DPL-AF-20	II	11500	10500	9000	7200	5000
DPL-22	I	12000	9500	4500	--	--
DPL-AF-22	II	14500	13000	11000	9000	7000
DPL-24	I	14000	12500	8000	--	--
DPL-AF-24	II	16000	14000	12000	9000	6500
DPL-27	I	16000	14000	9000	--	--
DPL-AF-27	II	20000	17000	15000	11500	8000
DPL-30	I	20000	18000	12000	--	--
DPL-AF-30	II	25000	22000	18000	15000	10000
DPL-33	I	26000	22000	16000	--	--
DPL-AF-33	II	31000	28000	24000	20000	16000
DPL-36	I	30000	26000	20000	--	--
DPL-AF-36	II	38000	32000	26000	20000	15000

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

CFM values listed above are summarized for convenience.

*DPL-AF-30, 33 and 36 currently under redesign. Please call factory.

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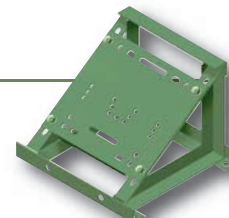
MOTOR BASE & PLATFORM

- Can be bolted directly to the side of the Plenum fan frame (2 locations) or secured to the base of the air handler.
- Sliding platform provides convenient belt tension adjustment.

MOTOR PLATFORM		
WHEEL DIAMETERS	MAX HP	MAX FRAME SIZE
12" TO 20"	10	215T
22" TO 27"	15	254T
30" TO 36"	30	286T

OPTIONS

- Vibration Isolators
- Motor base with platform





BELT DRIVE TUBE AXIAL DUCT FANS

Designed for duct connected applications such as paint booth exhaust, air make-up fans, general exhaust, etc.

BTA - For clean, dry air with a maximum temperature of 200°F (95°C)

WTA - For moisture laden air with a maximum temperature of 200°F (95°C)

HTA - For clean, dry air with a maximum temperature of 375°F (190°C)



To order WTA or HTA models, replace "BTA" with "WTA" or "HTA" in the table below.

PERFORMANCE SPECIFICATIONS

BLADE DIAMETER	MODEL #		RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE									
	SINGLE PHASE	THREE PHASE				0"	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	
12"	BTA12T10033	BTA12T30033*	2535	1/3	60	2100	2020	1950	1890	1800	-	-	-	-	-
	BTA12T10050	BTA12T30050*	2865	3/4	64	2370	2330	2240	2190	2120	1940	1590	-	-	
	BTA12T10075	BTA12T30075*	3290	0.75+	70	2720	2660	2610	2550	2500	2380	2200	1890	-	
	BTA12T10200	BTA12T30200*	3645	2+	74	3020	2970	2910	2860	2810	2720	2600	2420	2150	
15"	BTA15T10033	BTA15T30033*	1850	1/3	61	2780	2640	2480	2290	2050	-	-	-	-	
	BTA15T10050	BTA15T30050*	2105	3/4	66	3170	3040	2910	2710	2580	2110	-	-		
	BTA15T10075	BTA15T30075*	2405	3/4	72	3620	3510	3410	3350	3150	2810	2380	-		
	BTA15T10100	BTA15T30100*	2660	1.0	75	4000	3910	3810	3690	3590	3320	2990	2570	1140	
18"	BTA18T10150	BTA18T30150*	3040	1.5+	81	4580	4490	4390	4330	4220	3940	3780	3480	3150	
	BTA18T10050	BTA18T30050*	1556	3/4	58	4110	3930	3760	3540	3260	1760	-	-		
	BTA18T10075	BTA18T30075*	1785	3/4	61	4680	4530	4380	4210	4020	3440	1930	-		
	BTA18T10100	BTA18T30100*	1920	1.0	63	5040	4890	4750	4610	4440	4010	3290	1800	1210	
24"	BTA24T10150	BTA24T30150*	2255	1.5	68	5920	5790	5670	5550	5430	5140	4770	4210	3410	
	BTA24T10200	BTA24T30200*	2510	2.0	72	6590	6490	6360	6280	6150	5930	5650	5260	4790	
	BTA24T10075	BTA24T30075*	1180	3/4	58	6750	6325	5880	5360	4700	2180	-	-		
	BTA24T10100	BTA24T30100*	1295	1.0	61	7400	7020	6620	6180	5690	4690	1980	-		
30"	BTA30T10200	BTA30T30200*	1475	1.5	64	8430	8090	7680	7390	7000	6010	4320	3110	-	
	BTA30T10300	BTA30T30300*	1620	2.0	67	9260	8960	8640	8330	7930	7220	6190	6080	4130	
	BTA30T10050	BTA30T30050*	1820	3.0	72	10800	10670	10290	10060	9730	8890	8480	7640	6510	
	BTA30T10100	BTA30T30100*	965	1.0	58	10800	10050	9190	8100	6610	2620	-	-		
34"	BTA34T10150	BTA34T30150*	1095	1.5	61	12320	11650	11000	10130	9140	5210	2770	-		
	BTA34T10200	BTA34T30200*	1225	2.0	64	13810	13170	12550	11930	11100	9120	5260	5320		
	BTA34T10300	BTA34T30300*	1125	3.0	66	19000	18120	17220	16270	15200	12350	8070	5320		
	BTA34T10050	BTA34T30050*	1320	5.0	72	22300	21550	20770	20130	19060	17220	14900	10860	8310	
36"	BTA36T10150	BTA36T30150*	1520	7.5	75	25700	25010	24350	23730	23040	21610	19830	17820	14760	
	BTA36T10200	BTA36T30200*	910	2.0	63	17820	16650	15420	13980	12190	7310	-	-		
	BTA36T10300	BTA36T30300*	1045	3.0	66	20490	19220	18410	17550	16020	12050	8270	5190		
	BTA36T10050	BTA36T30050*	1245	5.0	71	24410	23610	22850	21780	20070	18650	15890	11520	9140	
42"	BTA42T10150	BTA42T30150*	1425	7.5	75	27930	27110	26380	25790	24830	23230	21220	18850	15290	
	BTA42T10200	BTA42T30200*	770	2.0	60	20690	19920	17310	15080	11320	-	-	-		
	BTA42T10300	BTA42T30300*	895	3.0	64	24120	22840	21430	19620	17680	10290	-	-		
	BTA42T10050	BTA42T30050*	1005	5.0	67	27070	25980	24640	23230	21810	17750	10780	6820	-	
48"	BTA48T10150	BTA48T30150*	1205	7.5	72	32420	31520	30640	29530	28290	25760	22510	16620	12290	
	BTA48T10050	BTA48T30050*	1335	10.0	75	35910	35170	34340	33410	32390	30120	27730	24640	19620	
	BTA48T10200	BTA48T30200*	745	3.0	63	25790	24330	22450	20510	17780	-	-	-		
	BTA48T10300	BTA48T30300*	885	5.0	67	30710	29440	27810	26370	24690	20570	14310	-		
54"	BTA54T10150	BTA54T30150*	1005	7.5	71	34830	33850	32310	31080	29810	26690	22390	17120	-	
	BTA54T10050	BTA54T30050*	1105	10.0	73	38300	37270	36210	34760	33670	31090	28120	23710	18930	
	BTA54T10200	BTA54T30200*	1265	15.0	76	43870	42900	42230	40860	39850	37760	35620	32760	29450	
	BTA54T10300	BTA54T30300*	710	5.0	69	39490	37130	34510	31680	28260	-	-	-		
60"	BTA60T10150	BTA60T30150*	810	7.5	72	45020	42890	40760	38660	35890	29810	-	-		
	BTA60T10050	BTA60T30050*	905	10.0	75	50330	48450	46590	44640	42420	37520	31620	22910	15230	
	BTA60T10200	BTA60T30200*	1025	15.0	78	57010	55520	53850	52110	50170	46260	42140	36610	28880	
	BTA60T10300	BTA60T30300*	690	7.5	68	54300	51240	48620	45760	43110	27620	18390	-		
60"	BTA60T11000	BTA60T31000*	755	10.0	70	59420	56770	54150	51490	48410	39330	28420	17510	-	
	BTA60T10200	BTA60T30200*	870	15.0	73	68490	66320	63840	61710	59300	53450	45310	32880	25690	
	BTA60T10300	BTA60T30300*	955	20.0	76	75110	73090	70670	68880	67010	62340	55910	47640	35870	
	BTA60T10050	BTA60T30050*	1005	5.0	67	27070	25980	24640	23230	21810	17750	10780	6820	-	

FEATURES

BTA

- Adjustable motor base.
- Heavy duty pillow block ball bearings with high temperature grease.
- Extended lube lines with external grease fittings.
- TEFC motors are standard.
- Cast aluminum blades up to 48"; fans 54" & 60" have polypropylene reinforced fiberglass blades.
- Airfoil shaped belt tube for improved efficiency; motor, belts, drives and bearings are isolated from air stream.

WTA

- Heavy duty pillow block bearings with moisture displacement collars + stainless steel shaft.

HTA

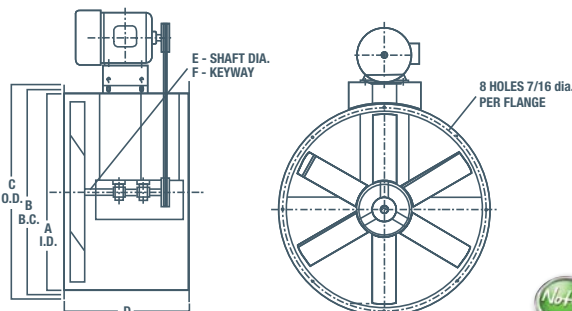
- Paint color is beige on these models, high temperature bearings and grease.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

FAN SIZE	A	B	C	D	E	F	WEIGHT (LBS) (less motors & accessories)
12"	12"	14"	15 1/8"	17"	3/4"	3/16"	53
15"	15 3/8"	17"	18 3/8"	17"	3/4"	3/16"	62
18"	18 3/8"	20"	21 3/8"	21"	1"	1/4"	76
24"	24 3/8"	25 7/8"	27 3/8"	21"	1 3/16"	1/4"	132
30"	30 3/8"	32 3/8"	33 3/8"	21"	1 7/16"	3/8"	174
34"	34 3/8"	36 3/8"	37 3/8"	27"	1 7/16"	3/8"	225
36"	36 3/8"	38 3/8"	39 3/8"	27"	1 7/16"	3/8"	239
42"	42 3/8"	44 3/8"	45 3/8"	32"	1 7/16"	3/8"	326
48"	48 3/8"	50 3/8"	51 3/8"	32"	1 15/16"	1/2"	420
54"	54 3/8"	56 3/8"	57 3/8"	40"	1 15/16"	1/2"	552
60"	60 3/8"	62 3/8"	63 3/8"	40"	1 15/16"	1/2"	601



For three phase motors, substitute "*" with "M" for 230/460 volt (if 208V required please specify) or "P" for 575 volt + Motor RPM is 3450. All others are 1750.

dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS & ACCESSORIES

For a complete listing of all available options and accessories available for this fan and ordering guidelines, see page A18.

When ordering, replace "T" (in chart above) with ALL letters of the options and accessories required, as shown on page A18.



Options must be requested at time of order, as they cannot be added later.



DDA - DIRECT DRIVE TUBE AXIAL DUCT FANS

Minimum maintenance. Maximum efficiency.

DDA - For clean, dry air with a maximum temperature of 100°F (40°C)

PERFORMANCE SPECIFICATIONS

BLADE DIAMETER	MODEL #		RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE					
	SINGLE PHASE	THREE PHASE				0"	1/4"	1/2"	3/4"	1"	1 1/4"
12"	DDA12T10033B	DDA12T30033B*	1750	1/3	49	1450	1230	313	-	-	-
	DDA12T10200A	DDA12T30200A*	3450	2.0	72	2860	2740	2640	2530	2410	2140
15"	DDA15T10033B	DDA15T30033B*	1750	1/3	65	2630	2320	1840	-	-	-
	DDA18T10033C	DDA18T30033C*	1140	1/3	49	2990	2450	845	-	-	-
18"	DDA18T10075B	DDA18T30075B*	1750	3/4	61	4590	4280	3910	3260	1750	-
	DDA24T10100C	DDA24T30100C*	1140	0.5	52	4990	4180	2920	1210	-	-
24"	DDA24T10150C	DDA24T30150C*	1140	1.0	57	6520	5630	4380	1920	813	-
	DDA24T10150C	DDA24T30150C*	1140	1.5	61	8710	7630	6020	2380	720	-
	DDA24T10150B	DDA24T30150B*	1750	1.5	65	7660	7160	6620	5980	5170	4020
	DDA24T10200B	DDA24T30200B*	1750	2.0	66	9210	8660	8090	7470	6660	5540
	DDA24T10300B	DDA24T30300B*	1750	3.0	71	11500	10900	10200	9490	8680	7540
	DDA30T10100C	DDA30T30100C*	1140	1.0	57	8680	7480	6000	3630	1550	-
	DDA30T10150C	DDA30T30150C*	1140	1.5	61	11800	10600	8950	6070	3070	-
	-	DDA30T30200C*	1140	2.0	62	12780	11490	9850	7320	3620	-
30"	-	DDA30T30300C*	1140	3.0	68	16400	14700	12700	6840	4120	-
	DDA30T10300B	DDA30T30300B*	1750	3.0	69	13300	12550	11700	11000	9980	8830
	DDA30T10500B	DDA30T30500B*	1750	5.0	73	18200	17350	16550	15200	14600	13880
	DDA30T10750B	DDA30T30750B*	1750	7.5	77	22600	21980	20650	19030	18300	17550
34"	-	DDA34T30200C*	1140	2.0	64	15300	13800	12000	10490	6070	3440
	-	DDA34T30300C*	1140	3.0	67	19300	17700	15600	12900	8620	6110
	-	DDA34T30500C*	1140	5.0	70	22500	20550	18300	13100	10200	6860
	DDA34T10500B	DDA34T30500B*	1750	5.0	76	18700	17820	16800	15700	14600	13660
	DDA34T10750B	DDA34T30750B*	1750	7.5	76	23500	22600	21500	20400	19300	18160
	-	DDA34T31000B*	1750	10.0	78	27800	26750	25500	24250	23300	22150
	-	DDA34T31500B*	1750	15.0	81	31300	30300	29100	28250	26600	25130
	-	DDA36T30200C*	1140	2.0	66	14000	12400	10600	8390	5530	-
36"	-	DDA36T30300C*	1140	3.0	67	19400	17550	15600	13100	8980	6450
	-	DDA36T30500C*	1140	5.0	68	23600	22050	19700	16850	11700	9220
	DDA36T10500B	DDA36T30500B*	1750	5.0	70	16200	15200	14200	12800	12200	11050
	-	DDA36T30750C*	1140	7.5	72	26100	23800	21600	18350	12900	9730
	DDA36T10750B	DDA36T30750B*	1750	7.5	78	21500	20400	19400	18350	17100	15850
	-	DDA36T31000B*	1750	10.0	79	29700	28550	27300	26150	24900	23700
	-	DDA36T31500B*	1750	15.0	81	34320	32960	31970	30680	29280	28030
	-	DDA42T30200D*	860	2.0	61	19200	16300	12400	6720	-	-
42"	-	DDA42T30300D*	860	3.0	63	23210	20230	16280	8980	3940	-
	-	DDA42T30500D*	860	5.0	66	28900	25600	20800	11100	6290	-
	-	DDA42T30500C*	1140	5.0	68	25500	23550	21100	18300	14200	10100
	-	DDA42T30750C*	1140	7.5	70	30690	28750	26190	23350	19410	12780
	-	DDA42T31000C*	1140	10.0	73	38300	35700	33100	29450	23000	15400
	-	DDA42T31000B*	1750	10.0	76	26700	25200	23750	22380	21100	19570
	-	DDA42T31500B*	1750	15.0	80	39100	38080	36700	34640	33500	32040
	-	DDA42T32000B*	1750	20.0	82	43300	42280	40860	39170	37600	36140
48"	-	DDA48T30500D*	860	5.0	66	29820	26940	23790	12790	12790	6740
	-	DDA48T30750D*	860	7.5	68	35700	32450	28600	16800	16800	8270
	-	DDA48T31000C*	1140	10.0	74	39500	37400	35000	29800	29800	26050
	-	DDA48T31500C*	1140	15.0	76	47300	45050	42300	36200	36200	33490
	-	DDA48T32000C*	1140	20.0	79	53900	51450	48400	42300	42300	37120

FEATURES

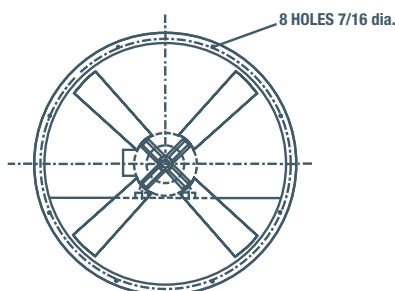
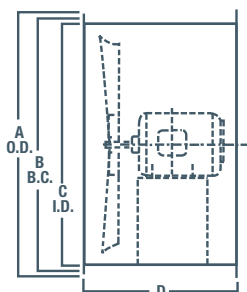
- Cast aluminum blades are standard.
- TEFC motors are standard.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

FAN SIZE	A	B	C	D	WEIGHT (LBS) (less motors & accessories)
12"	15 1/8"	14"	12"	17"	37
15"	17 7/8"	17"	15 3/8"	17"	42
18"	20 7/8"	20"	18 3/8"	21"	55
24"	27 3/8"	25 7/8"	24 3/8"	21"	102
30"	33 3/8"	32 3/8"	30 3/8"	21"	138
34"	37 3/8"	36 3/8"	34 3/8"	27"	169
36"	39 3/8"	38 3/8"	36 3/8"	27"	181
42"	45 3/8"	44 3/8"	42 3/8"	32"	225
48"	51 3/8"	50 3/8"	48 3/8"	32"	308



For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt + Motor RPM is 3450. All others are 1750.

dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS & ACCESSORIES

For a complete listing of all available options and accessories available for this fan and ordering guidelines, see page A18.

When ordering, replace "T" (in chart above) with ALL letters of the options and accessories required, as shown on page A18.



Options must be requested at time of order, as they cannot be added later.



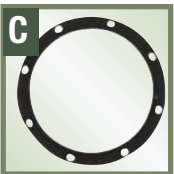
TUBE AXIAL DUCT FAN OPTIONS & ACCESSORIES



A
DISCONNECT SWITCH



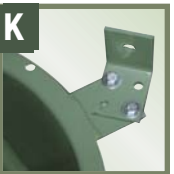
B/J
MC - GUARDS



C
CR - COMPANION RING



D
SCV - VERTICAL SUPPORT CLIPS



K
SCH - HORIZONTAL SUPPORT CLIP



E
SPL - SUPPORT LEGS



F
MCVR - MOTOR & BELT COVER



G
BLG - BELT GUARD

REFERENCE	ITEM	DESCRIPTION	SPECIAL ORDERING GUIDELINES
A	Disconnect Switch (Accessory)	See page K4 in Controls & Thermostats section for more information.	Ships loose. Available as an accessory ordered separately.
B	Inlet Guard (Accessory)	• Spiral plated OSHA guard.	To order installed, add letter to part number. Also available as an accessory ordered separately.
J	Outlet Guard (Accessory)	• Fits intake or exhaust. • Can be used in conjunction with companion ring.	
C	Companion Rings (Accessory)	• 1/4" plate angle ring. • Used to attach guards or ducts to tube axial fans.	To order installed, add letter to part number. Also available as an accessory ordered separately.
D	Vertical Support Clips (Accessory)	• 1/4" plate vertical support clips are welded onto fan. • Four clips per end.	Must be requested at time of order.
K	Horizontal Support Clips (Accessory)	• 1/4" plate horizontal support clips. • Bolts to the vertical support clips welded onto the fan. • Two clips per end.	Must be requested at time of order. Must be used with vertical clips (D). Eg) For a BTA18T10050 with horizontal clips & belt guard, use BTA18DKG10050. Note: "D" for vertical clips must be indicated as well as the "K" for horizontal clips.
E	Support Legs (Option)	• Heavy duty support legs are welded to the fan. • Suitable for mounting tube axial to the floor. • 4" Standard. 16" available. Consult factory. • Sold in pairs.	Must be requested at time of order.
F	Motor & Belt Covers (Accessory)	• 18 gauge galvanized steel. • Acts as both motor and belt cover. • 3/4" expanded metal screen allows motor heat to escape. • Bolts to motor mount.	For HTA/BTA/WTA Fans only. To order installed, add letter to part number. Also available as an accessory ordered separately.
G	Belt Guard (Accessory)	• Belt and guards protect the belt and drives. • 18 gauge galvanized steel.	For HTA/BTA/WTA Fans only. Not required with motor cover. To order installed, add letter to part number. Also available as an accessory ordered separately.
H	Inspection Door (Option)	• 10" x 12" inspection door. • Hinged and bolted. • Air dry finish. • Can be installed in location specified by customer.	Must be requested at time of order.
I	Specials (not shown)	Can include: • Explosion Proof Motors • Steel Fan Blades • Optional Coating	Must be requested at time of order.
L	Weather Cover (Accessory)	• 18 gauge galvanized steel. • Acts as both motor and belt cover. • Enclosed for weather protection. • Bolts to motor mount.	For HTA/BTA/WTA Fans only. To order installed, add letter to part number. Also available as an accessory ordered separately.
W (Not Shown)	Wired Junction Box (Option)	• Wired junction box using BX cable.	• For BTA models only! • Must be requested at time of order.

ORDERING EXAMPLES:

EX 1) If ordering a BTA18T10050 with support legs (E) and an inspection door (H), use **BTA18EH10050**.

EX 2) If ordering a BTA18T10050 with horizontal clips & belt guard, use **BTA18DKG10050**.

FAN SIZE	ACCESSORIES			OPTIONS INSTALLED WELDED TO TUBE		
	COMPANION RING	GUARD	HORIZONTAL CLIP	SUPPORT LEG	VERTICAL CLIP	INSPECTION DOOR
12"	CR12P	MC12G	SCH12-60 (Must order vertical clip option to use horizontal clip accessory)	SPL12		ID12
15"	CR15P	MC15G		SPL15		ID15
18"	CR18P	MC18G		SPL18		ID18
24"	CR24P	MC24G		SPL24		ID24
30"	CR30P	MC30G		SPL30		ID30
34"	CR34P	MC34G		SPL34		SCV12-60
36"	CR36P	MC36G		SPL36	ID36	
42"	CR42P	MC42G		SPL42	ID42	
48"	CR48P	MC48G		SPL48	ID48	
54"	CR54P	MC54G		SPL54	ID54	
60"	CR60P	MC60G	SPL60	ID60		

ACCESSORIES	
FRAME SIZE	BELT GUARD
48-145T	BLGD1
182T-184T	BLGD2
213T-256T	BLGD3
284 AND UP	BLGD4

ACCESSORIES		
BTA SIZE	WEATHER COVER	MOTOR COVER
12" - 18"	MCVR1-WP	MCVR1
24" - 30"	MCVR2-WP	MCVR2
34" - 36"	MCVR3-WP	MCVR3
42" - 48"	MCVR4-WP	MCVR4
54" - 60"	MCVR5-WP	MCVR5



H
ID - INSPECTION DOOR



L
WC - WEATHER COVER



JFHVA AIR MAKE UP JET FANS

Provides significant energy savings by inexpensively distributing make-up air strategically and comfortably throughout a building.

Air Make-Up Jet Fan systems utilize a propeller fan in conjunction with a modulating face and by-pass control dampers to mix cold outside air with warm inside air, which results in inexpensive, tempered make-up air that can be distributed evenly throughout the work space, providing greater comfort and energy savings.

PERFORMANCE SPECIFICATIONS

BLADE DIAMETER	MODEL #		RPM	H.P.	CFM	dBA @ 5 ft.
	SINGLE PHASE	THREE PHASE				
	24"	JFHVA24FBC10075				
30"	JFHVA24FBC10100	JFHVA24FBC30100*	1295	1	5690	70
	JFHVA24FBC10150	JFHVA24FBC30150*	1475	1 1/2	7000	73
	JFHVA30FBC10100	JFHVA30FBC30100*	965	1	6610	69
36"	JFHVA30FBC10150	JFHVA30FBC30150*	1095	1 1/2	9140	72
	JFHVA30FBC10200	JFHVA30FBC30200*	1225	2	11100	74
	JFHVA36FBC10150	JFHVA36FBC30150*	830	1 1/2	8430	72
42"	JFHVA36FBC10200	JFHVA36FBC30200*	910	2	12190	74
	JFHVA36FBC10300	JFHVA36FBC30300*	1045	3	16020	78
	JFHVA42FBC10200	JFHVA42FBC30200*	770	2	11320	74
48"	JFHVA42FBC10300	JFHVA42FBC30300*	895	3	17680	76
	JFHVA42FBC10500	JFHVA42FBC30500*	1005	5	21810	79
	JFHVA48FBC10200	JFHVA48FBC30200*	645	2	11070	71
	JFHVA48FBC10300	JFHVA48FBC30300*	745	3	17880	74
	JFHVA48FBC10500	JFHVA48FBC30500*	885	5	24690	79
	JFHVA48FBC10750	JFHVA48FBC30750*	1005	7 1/2	29810	82

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt

OPTIONAL CONSTRUCTION: "T" - Jet Fan with Cabinet, Snout, and Straightening Vanes;
"FOC" - Same as above, but with a Face Damper & Controls;
"FBC" - Fan complete with Face and Bypass & Controls (standard)

FEATURES

- Sturdily constructed of galvanized steel with cast aluminum fan blades.
- Outlet duct with straightening vanes to attach air tube.
- TEFC motors are standard.
- Adjustable motor base.
- Large access door hinged and latched on bottom (all models).
- Face and bypass dampers (FBC and FOC optional construction).
- Modulating damper motors (FBC and FOC optional construction).
- Transformers & Remote thermostats (FBC and FOC optional construction).
- NEMA control box enclosure (FBC & FOC optional construction).
- All face and bypass damper linkage enclosed inside cabinet (FBC).
- Optional construction available.

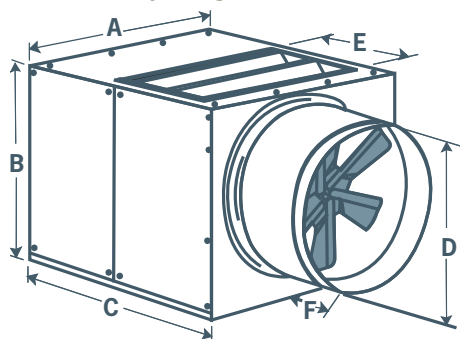


Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

Fan Size	A	B	C	D	F
24"	32"	32"	36"	25"	18 7/8"
30"	38"	38"	42"	31"	18 7/8"
36"	44"	44"	48"	37"	26 3/4"
42"	50"	50"	54"	42 7/8"	24 1/4"
48"	56"	56"	60"	48 7/8"	27 1/4"

*Please note that this fan is currently under review and the dimensions may change. Please call for details.



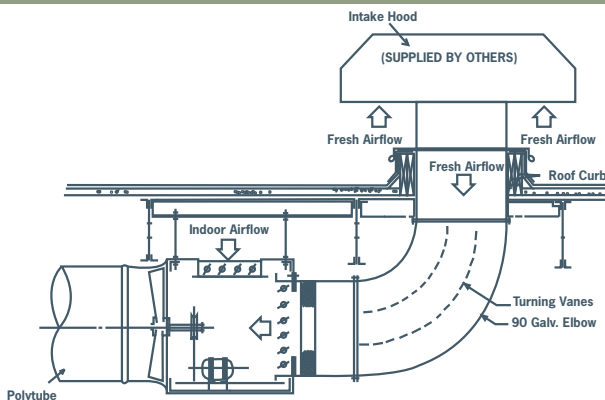
OPTIONS

Canarm supplies the Make-Up fan only. All other components are supplied by others.

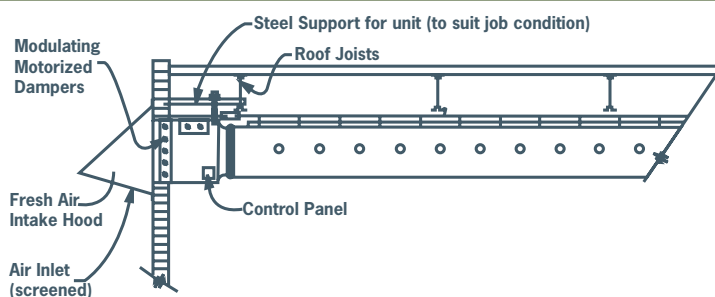
- Polyethylene Fabric Ducts
- Face Dampers (by Canarm)
- Drawband
- Cables
- Roof Curb
- Intake Wall & Roof Hoods
- Reducer
- Hardware Kit

TYPICAL INSTALLATIONS

TYPICAL INSTALLATION - ROOF MOUNT



TYPICAL INSTALLATION - SIDEWALL MOUNT



ROOF MOUNT VENTILATION	UL762 Listed Products & Requirements	B
	HTE SERIES Hurricane Turbine Exhausters	B1-B2
	SIG SERIES Side Intake Filtered Fresh Air Supply Units	B3
	SIS SERIES Side Intake Filtered Fresh Air Supply Units	B4
	700 SERIES Filtered Fresh Air Supply Units	B5
	9200 & 9200-VIB SERIES Filter Sections & Intake Hoods	B6-B7
	300 SERIES Forward Curved Roof Exhauster	B8
	600 SERIES FC Exhauster Belt Drive Utility Blower	B9
	BI & BI-RM SERIES Belt Drive Utility Blowers	B10 - B11
	HRE SERIES Horizontal Restaurant Exhausters	B12
	Options & Accessories	B13
	ALX -UD & ALX-UD-EC SERIES Upblast Direct Drive Spun Aluminum Exhausters	B14-B15
	ALX -UB SERIES Upblast Belt Drive Spun Aluminum Exhausters	B16-B17
	ALX -DD & ALX -DD -EC SERIES Downblast Direct Drive Spun Aluminum Exhausters	B18-B19
	ALX -DB SERIES Downblast Belt Drive Spun Aluminum Exhausters	B20-B21
	SBRM SERIES Belt Drive Upblast Spun Aluminum Exhausters	B22
	SDUB SERIES Direct Drive Upblast Spun Aluminum Exhausters	B23
	SB SERIES Belt Drive Downblast Spun Aluminum Exhausters	B24
	SD SERIES Direct Drive Downblast Spun Aluminum Exhausters	B25
	SDS SERIES Economy Make Up Air Units	B26
	RTA-SH SERIES Belt Drive Roof Exhausters	B27
	RTA SERIES Belt Drive Roof Exhausters	B28
	RD SERIES Direct Drive Roof Exhausters	B29
	RB SERIES Belt Drive Roof Exhausters	B30
	ROOF CURBS Galvanized and RC Roof Curbs	B31

UL762 LISTED PRODUCTS AND REQUIREMENTS

(Kitchen Exhaust)



WHAT IS UL762?

Power ventilators for restaurant exhaust appliances covered by these requirements are intended for installation in accordance with the Standard of the National Fire Protection Association for the Installation of Equipment for the Removal of Smoke and Grease-Laden Vapors from Commercial Cooking Equipment, NFPA 96.

Power ventilators for restaurant appliances shall comply with the Standard for Power Ventilators, UL 705, modified in that wiring system shall not be located in the path of travel of exhaust products.

REQUIREMENTS

REQUIREMENT	ALX SERIES***		BI-RM		HRE	
	STANDARD	ACCESSORY	STANDARD	ACCESSORY	STANDARD	ACCESSORY
Designed for removal of smoke and/or grease laden air	●		●		●	
Air temperatures up to 300°F	●		●		●	
Access for cleanout	●		●		●	
Grease drain	●		●		●	
Grease collection box		●		●		●
Minimum 500 FPM airflow in duct**	●		●		●	
Vented roof curb extending discharge minimum 40" above roofline		●	N/A*			●
Curb hinge		●	N/A			●

* must be mounted to extend outlet minimum 40" above roofline

** based on standard Canarm configurations with Motors and Drives, LMLD models must refer to Delair for minimum RPM to reach 500 FPM

*** only upblast ALX can be UL762

UL762 LISTED PRODUCTS



ALX SERIES (upblast models only)



BI-RM SERIES



HRE SERIES



HTE SERIES

Hurricane Turbine Exhausters



Ideal for factories, warehouses, garages, and stand alone buildings with no available electricity.



GENERAL INFORMATION

The Hurricane™ is a wind-driven roof exhaust fan. Providing natural ventilation - which has proven to be effective while keeping operating costs down - it is an excellent alternative to traditional industrial ventilators that perform poorly and consume energy.

The wind driven Hurricane™ exhausts hot, stale air from buildings and allows it to be replaced at low levels with fresh air at ambient temperatures. The result is a much more pleasant and healthier indoor environment.

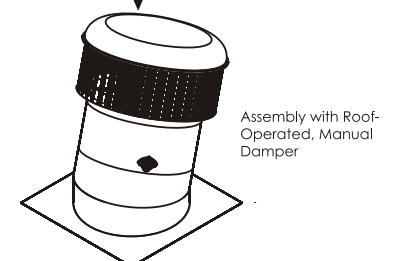
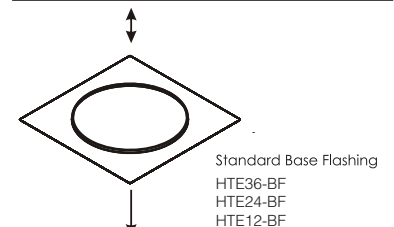
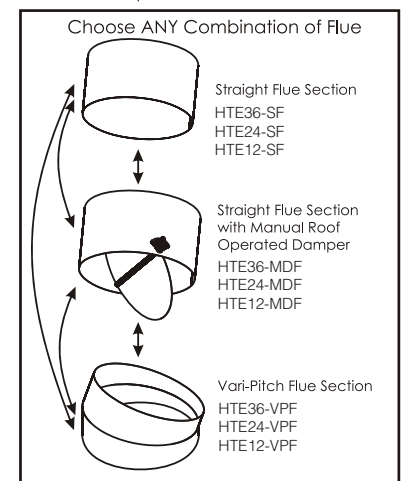
FEATURES

- 100% energy free design
- No electrical costs - EVER!
- High grade aluminum construction
- Easy to install
- Low maintenance
- Quiet operation
- Up to 15 year warranty

PERFORMANCE SPECIFICATIONS

Model #	Throat Diameter	CFM @ WIND SPEED		
		6 KM/H or 4MPH	12 KM/H or 7.5 MPH	16 KM/H or 10 MPH
HTE12	12"	572	1017	1314
HTE24	24"	1314	2339	3009
HTE36	36"	3305	5720	7331

Note: Maximum airflow is achieved @ 16 KM/H or 10 MPH.



HTE SERIES

Hurricane Turbine Exhausters



SIZING THE HURRICANE FANS AND DETERMINING QUANTITY

Determine the volume of building in Cubic feet:
Length x Width x Height = Cubic Feet
 ie. Warehouse 150 L x 60 W x 16 H = 144,000 Cu ft

Select the recommended Minutes Per Air Change from Chart below. In this example it's a warehouse - so we would require an air change every 12 minutes:

To determine how much CFM you require - take Cubic ft of space / Minutes per Air Change
 In the example above use 144,000 cu ft / 12 = 12,000 CFM required

To determine # of fans required:

Using the performance specification charts, determine which size of fan would best suit your application (going with smaller fans means more fans required). Then locate your average wind speed (typical is 6 to 12 Km/h or 3 to 7.5 MPH) and divide the CFM required by the CFM (Airflow @ wind speed) for the fan chosen. In this example we will show all 3 fans using an average wind speed of 12 Km/H (7.5 MPH)

				Total CFM
12"	12000 / 1017 = 11.79	Rounded to 12 fans	1017 CFM/Fan	12,204 CFM
24"	12,000 / 2339 = 5.13	Rounded to 6 fans for Aesthetics	2339 CFM/Fan	14,034 CFM
36"	12,000 / 5720 = 2.09	Rounded to 3 fans	5720 CFM/Fan	17,160 CFM

Select the most suitable number of vents for the roof spaced uniformly either side of ridge (center line) with a recommended spacing of 16ft (5M).

Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change
Assembly Hall	7	Church	15	Foundry	4	Pressing Room	1
Attic	2	Classroom	6	Garage	5	Projection Booth	2
Auditorium	10	Dance Hall	5	General Office	10	Summer Cooling	1
Barber Shop	6	Department Store	6	Gymnasium	8	Toilet	3
Basement	8	Dry Cleaning	5	Laundry	2	Transformer Room	1
Battery Room	4	Engine Room	6	Locker Room	3	Warehouse	12
Boiler Room	1	Factory	6	Machine Shop	8	Welding Shop	2

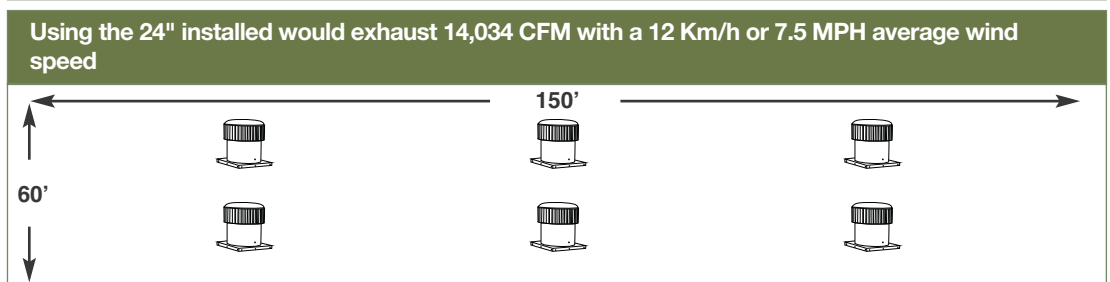
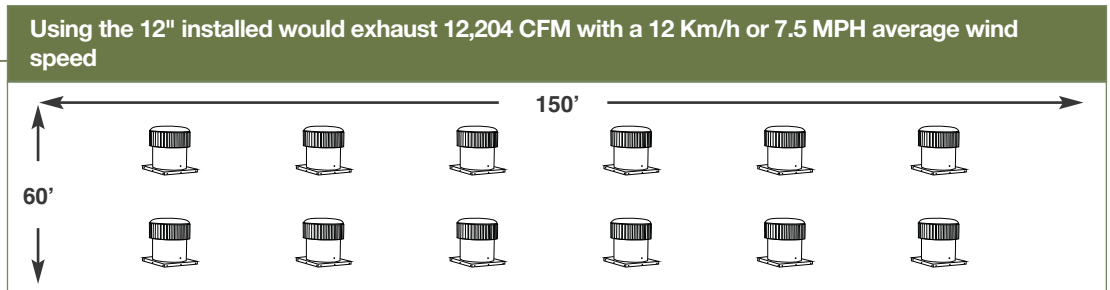
DETERMINING MOUNTING OPTIONS

- Straight Flue
- Straight Flue Section with Manual Roof Operated damper
- Vari-Pitch Flue
- Standard base Flashing
- Standard Metal Curb
- Actuator Kits (requires power)

PLACEMENT OF FANS

Install the required # of fans evenly spaced for aesthetics.

Out of the 3 options above, we would choose either the 12" or the 24" option.



SIG SERIES

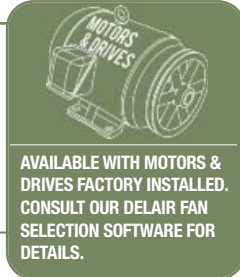
Side Intake Filtered Fresh Air Supply Units

SIG series fresh air supply units are ideal for commercial applications such as schools, apartments and office buildings. They also provide an economical and practical solution to meet NFPA 96 separation requirements between supply & exhaust air streams in commercial kitchen applications.



FEATURES

- Flexible forward curved belt drive blowers operate at low speed and low noise levels.
- Galvanized steel housing.
- Heavy duty ball bearings suitable for -65° to +250° F.
- Weather proof cabinet designed for outdoor roof mounting.
- Filters designed with large surface area for efficient filtration.
- Washable aluminum mesh filter are located in the intake hood and are accessible through the hood end cap for ease of service.
- Easy on-site addition of customer supplied air supply duct extension between the intake hood and unit provides additional separation where necessary.



AVAILABLE WITH MOTORS & DRIVES FACTORY INSTALLED. CONSULT OUR DELAIR FAN SELECTION SOFTWARE FOR DETAILS.

PERFORMANCE SPECIFICATIONS

MODEL	TYPICAL MAXIMUM CFM @ SP						Min HP	Max HP
	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP			
SIG-9	2300	2000	1600	1000	600	1/4	1 1/2	
SIG-10	2600	2400	2100	1800	1300	1/4	1 1/2	
SIG-12	3800	3400	3100	2700	2200	1/4	2	
SIG-15	5200	4700	4300	3600	3000	1/2	3	

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

CFM values listed above are summarized for convenience.

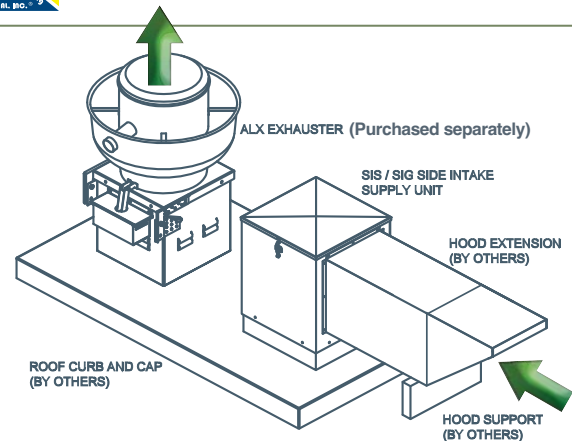
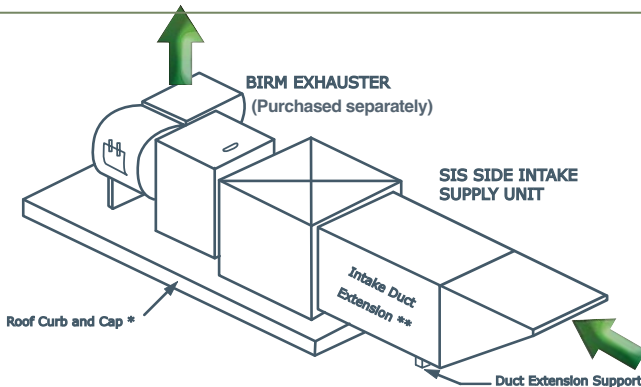
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Canarm certifies that the SIG Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



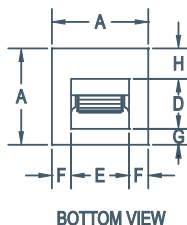
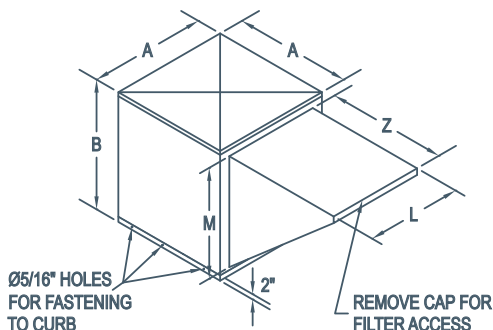
TYPICAL INSTALLATION



DIMENSIONS

MODEL	A	B	D	E	F	G	H	L	M	Z	FILTERS		*INSIDE CABINET	UNIT WEIGHT (LBS) (without motors & drives)
											SIZE	QUANTITY		
SIG-9	22"	24"	10 1/4"	11 7/8"	5"	3 7/8"	7 7/8"	19 3/8"	18 1/8"	19 7/8"	16" x 25" x 1"	1	21 7/8" x 21 7/8"	78 lbs
SIG-10	22"	24"	11 7/8"	13 1/4"	4 7/16"	3 1/4"	6 7/8"	19 3/8"	18 1/8"	19 7/8"	16" x 25" x 1"	1	21 7/8" x 21 7/8"	92 lbs
SIG-12	32"	32"	13 3/4"	15 7/8"	8 1/16"	9 1/4"	9"	25"	24 5/8"	25"	16" x 25" x 1"	2	31 7/8" x 31 7/8"	130 lbs
SIG-15	32"	32"	16 1/8"	18 7/8"	6 9/16"	6 7/8"	9"	25"	24 5/8"	25"	16" x 25" x 1"	2	31 7/8" x 31 7/8"	140 lbs

* Curb size to be smaller than inside cabinet to allow for flashing and roofing.



EASY TO SERVICE.
LATCHED TOP COVER
PROVIDES
CONVENIENT ACCESS
TO MOTOR, PULLEYS
AND BELT.



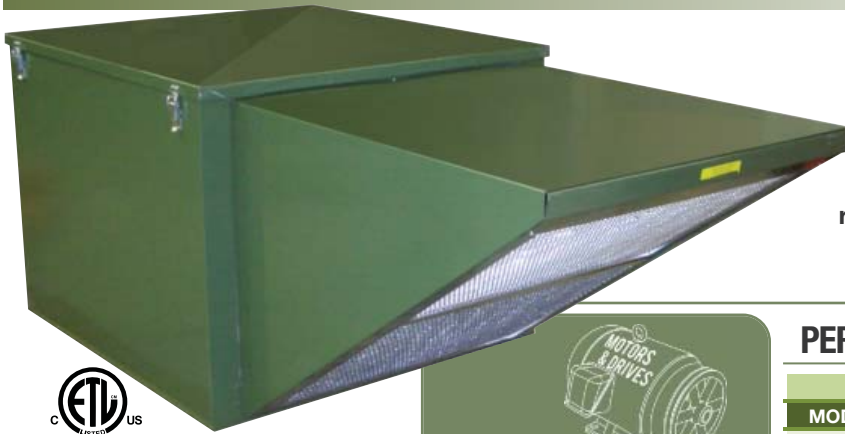
ACCESSORIES

- Roof curbs (see page B31)
- Disconnects
- Frequency Drives

SIS SERIES

Side Intake Filtered Fresh Air Supply Units

An economical fresh air supply unit designed as a practical method to meet NFPA 96 separation requirements between supply & exhaust air streams in restaurant applications. Also suitable for many other applications, such as schools and apartments.



Intertek
705



Canarm certifies that the SIS Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP							
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP	Min HP	Max HP
SIS-9	2300	2200	2000	1800	1600	1/4	1 1/2
SIS-10	2700	2400	2200	1900	1700	1/4	1 1/2
SIS-12	3800	3500	3100	2700	2300	1/4	2
SIS-15	5400	5100	4500	4000	3300	1/2	3
SIS-18	8400	7800	7000	6200	4600	1/2	5
SIS-20	12500	11700	10900	10300	9500	2	10

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

CFM values listed above are summarized for convenience.

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

FEATURES

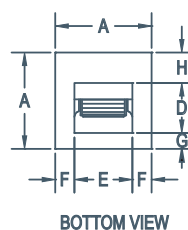
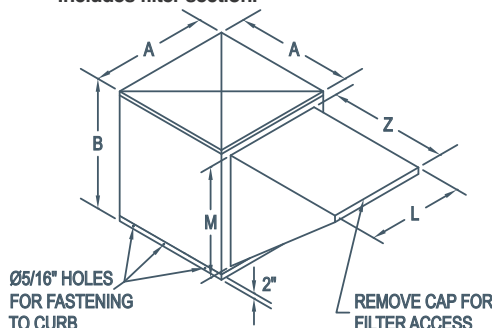
- Easy on-site addition of customer supplied air supply duct extension between the intake hood and unit provides additional separation where necessary.
- Filters designed with large surface area for efficient filtration.
- Green weather resistant baked powder coat finish.
- Weather proof cabinet designed for outdoor roof mounting.
- Flexible forward curved belt drive blowers operate at low speed and low noise levels.
- Heavy duty ball bearings suitable for -65° to +250° F.
- Washable aluminum mesh filter are located in the intake hood (except SIS-20) and are accessible through the hood end cap for ease of service.
- SIS-20 has a drawer type filter section (not illustrated). The SIS-20 intake hood has a screened inlet.

DIMENSIONS

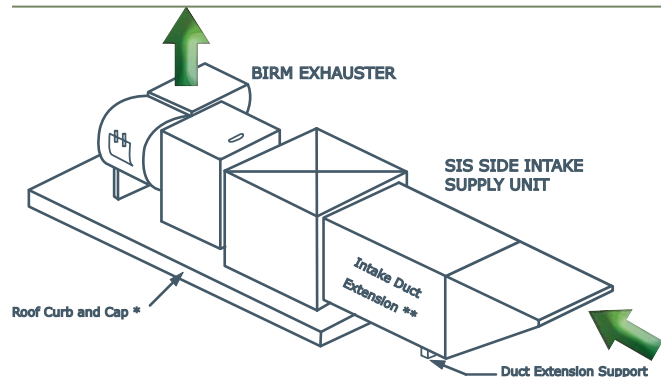
MODEL	A	B	D	E	F	G	H	L	M	Z	FILTERS		*INSIDE CABINET	UNIT WEIGHT (LBS) (without motors & drives)
											SIZE	QUANTITY		
SIS-9	24 3/8"	19 3/8"	10 1/4"	11 13/16"	6 9/32"	7 1/16"	7 1/16"	19 1/4"	16 9/16"	21 1/4"	16" x 24" x 1"	1	24"x 24"	70
SIS-10	28 3/8"	21 3/8"	11 3/8"	13 1/8"	7 5/8"	8 1/2"	8 1/2"	20 1/2"	18 9/16"	25 3/4"	15" x 20" x 1"	2	28"x 28"	87
SIS-12	32 3/8"	24 5/8"	13 7/16"	15 5/8"	8 3/8"	9 15/32"	9 15/32"	25 3/8"	21 9/16"	30 3/4"	20" x 25" x 1" & 16" x 25" x 1"	1 & 1	32"x 32"	117
SIS-15	36 3/8"	28 3/8"	15 7/8"	18 5/8"	8 7/8"	8"	12 1/2"	31 3/16"	25 13/16"	33 1/2"	20" x 28 1/2" x 1"	2	36"x 36"	175
SIS-18	36 3/8"	42 1/2"	18 7/8"	21 7/8"	7 1/4"	6 1/4"	11 1/4"	35 5/8"	32 11/16"	40 1/4"	20" x 25" x 1" & 16" x 25" x 1"	2 & 2	36"x 36"	262
SIS-20	44 3/8"	49"	24 3/4"	24 3/4"	9 13/16"	5 3/16"	14 7/16"	38 5/8"	35 9/16"	45 1/2"***	20" x 25" x 1"	6	44"x 44"	497

* Curb size to be smaller than inside cabinet to allow for flashing and roofing.

** Includes filter section.



TYPICAL INSTALLATION



EASY TO SERVICE. LATCHED TOP COVER PROVIDES CONVENIENT ACCESS TO MOTOR, PULLEYS AND BELT.



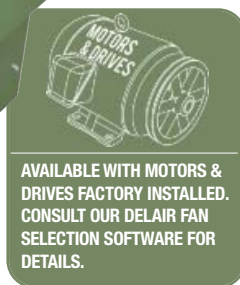
ACCESSORIES

- Roof curbs (see page B31)

700 SERIES

Filtered Fresh Air Supply Units

For use in restaurants, schools, high rise apartments and many other commercial and industrial applications.



Canarm certifies that the 700 Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP							
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP	Min HP	Max HP
709	2600	2500	2300	2100	1800	1/6	1 1/2
710	3200	2900	2600	2300	2000	1/6	1 1/2
712	4400	4000	3600	3100	2600	1/6	2
715	5800	5400	4600	4000	3400	1/6	3
718	8800	8200	7400	6800	6000	1/6	5

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

CFM values listed above are summarized for convenience.

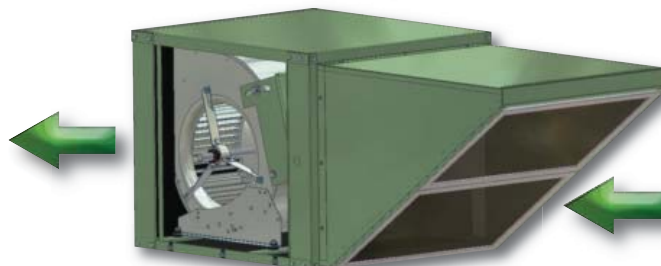
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FEATURES

- Green, weather resistant baked powder coat finish.
- Heavy duty ball bearings suitable for -65° to +250° F.
- Latched top cover provides convenient service access to 4 filters, motor and drive.
- Flexible forward curved belt drive blowers operate at low speed and noise levels.
- Blower is rubber mounted for quiet operation.
- Four permanent, washable, aluminum filters have large surface area for efficient filtration.
- Outside air flows over the motor to increase motor life.
- Top insulated with 1/2" fiberglass flexible duct liner.
- Adaptable to heating or cooling coils for applications requiring tempered air.
- Motor mounting hardware supplied with all units.

FOR HORIZONTAL APPLICATIONS

9200 SERIES WITH INTAKE HOOD

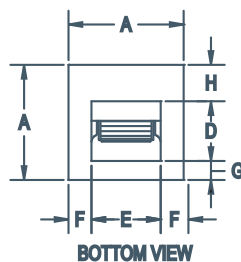
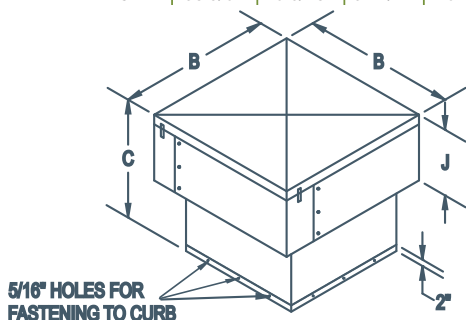


Use 9200 Series Duct Blower with matching "H" Series Intake Hood. Refer to page (9200 Series - page B7).

DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	J	FILTERS		*INSIDE CABINET	UNIT WEIGHT (LBS) (without motor & drives)
										SIZE	QUANTITY		
709	24 3/8"	32 3/8"	24 3/8"	10 1/4"	11 13/16"	6 9/32"	7 1/16"	7 1/16"	10 1/4"	10"x 20"	4	24"x 24"	84
710	28 3/8"	38 1/2"	28 1/4"	11 3/8"	13 1/8"	7 5/8"	8 1/2"	8 1/2"	12 1/4"	12"x 24"	4	28"x 28"	108
712	32 3/8"	42 5/8"	31 3/8"	13 7/16"	15 5/8"	8 3/8"	9 15/32"	9 15/32"	16 1/2"	16"x 25"	4	32"x 32"	150
715	32 3/8"	42 5/8"	31 3/8"	15 7/8"	18 5/8"	6 7/8"	6 1/4"	10 1/4"	16 1/2"	16"x 25"	4	32"x 32"	155
718	36 3/8"	48 5/16"	37 1/4"	18 7/8"	21 7/8"	7 1/4"	6"	11 1/2"	20 3/4"	20"x 28 1/2"	4	36"x 36"	245

* Curb size to be smaller than inside cabinet to allow for flashing and roofing.



MOTOR AND DRIVE COMPARTMENT WITH COVER REMOVED TO ILLUSTRATE 3 SIDE MOTOR ACCESS AND SLOPED MOTOR BASE FOR BELT TENSIONING.



ACCESSORIES

- Roof curbs (see page B31)

9200 & 9200-VIB SERIES

Single & Twin Forward Curved Inline Duct Blowers



9200 SERIES

Heavy duty, Insulated Indoor or Outdoor Applications

- As part of an HVAC system Delhi Duct Blowers will not “surge”, “hunt”, or “stall”.
- Optional variable pitch motor pulley permits field adjustment (typically + or - 15%) to match air delivery needs.
- For the quietest operational needs we offer optional internal spring isolation of the blower/motor from the housing thus greatly reducing radiated cabinet noise (9200-VIB only).
- Our twins (two duct blowers on a common shaft) is a wide but not tall solution for situations where vertical space is limited.
- Quiet forward curved blowers operate at ½ the rpm of other inline solutions.
- An outdoor series, 9200, is available.

INDUSTRIES SERVED

- Commercial HVAC
- Ventilation
- Heating
- Cooling
- Construction



Canarm certifies that the 9200 Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



Optional motor, drive & platform shown.

9200-VIB SERIES

With Internal Spring Vibration Isolation

FEATURES

- **Wheel Diameters:** 7” through 20”
- **CFM:** Approximately 500 to 12,500 CFM in a single blower (Twins available).
- **Static Pressure:** Usage to about 3” static pressure is common, although allowable range is higher.
- Constructed from cold rolled steel, with green baked on powder coat. The outdoor unit uses protective galvaneal steel under the powder coat.
- Forward Curved blowers operate at low RPM for low noise levels.
- Heavy duty ball bearings suitable for -65° F to +250° F.
- Keywayed shafts both ends for clockwise or counter clockwise rotation.
- Saddle type motor mounting platform provides extended belt tension adjustment range on all models.

Twin Units (not illustrated) use a common shaft for balanced air supply by each blower.

PERFORMANCE SPECIFICATIONS

CFM values listed right are summarized for convenience. For full performance data refer to our Delair program.

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

MODEL	TYPICAL MAXIMUM CFM @ SP						Min HP	Max HP
	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP			
9209	2400	2300	2100	1900	1700	1/6	1 1/2	
9210	2900	2700	2500	2100	1700	1/6	1 1/2	
9212	4300	4300	4100	3800	3500	1/6	3	
9215	6200	6200	6200	5700	5200	1/3	5	
9218	9000	8250	7500	6700	5750	1/2	5	
9220	13000	13000	13000	13000	13000	3/4	15	

*CONSULT OUR DELAIR SOFTWARE FOR FAN CURVES & PERFORMANCE DATA. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

TYPICAL APPLICATIONS FOR OUR INLINE BLOWERS

- An Inline make-up air solution for cases where a rooftop curb mounted solution is not available.
- As an air moving module for systems built up with other components such as heating/cooling coils.
- Noise sensitive areas - the low rpm forward curved wheel typically radiates less vibration than higher rpm backward inclined wheel solutions.
- When the application requires an air mover in a duct system located in a ceiling space.
- Redistribution or recirculation of air in a work space.
- Interlocked with entry doors to prevent entry of cold outdoor air into retail sales space and thus greets customers with warmth.
- Bathroom/ rest room exhaust - one duct blower serving multiple intakes.



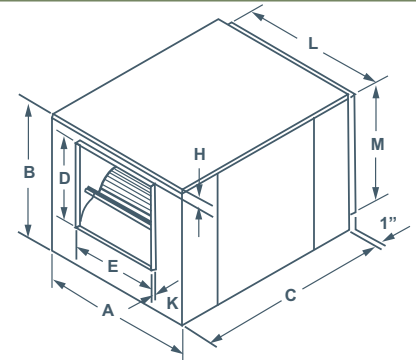
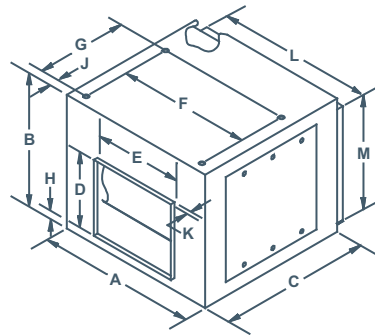
TWIN UNIT AVAILABLE

Call for pricing & availability.



9200 & 9200-VIB SERIES

Single & Twin Forward Curved Inline Duct Blowers



Twin unit available for 9200, 9200-VIB models
Call for pricing & availability.

DIMENSIONS

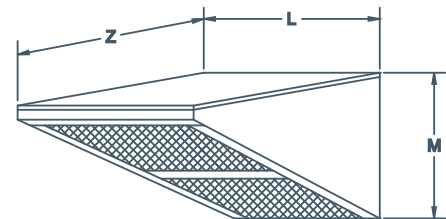
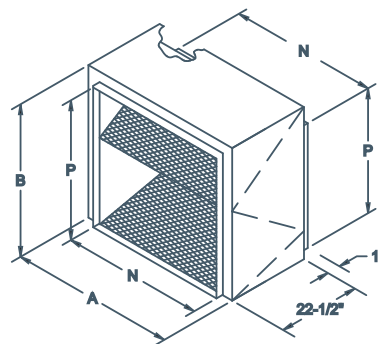
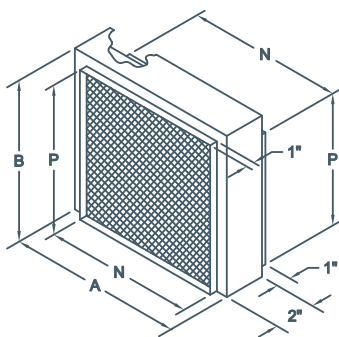
MODEL	A	B	C	OUTLET		F	G	H	J	K	INLET		SHAFT DIAMETER	UNIT WEIGHT (LBS) (without motor)
				D	E						L	M		
9209	21"	18"	23"	11 1/4"	12 3/4"	N/A	N/A	1"	N/A	1 1/8"	19"	16"	3/4"	61
9210	22 1/4"	20"	24 3/4"	12 3/8"	14 1/8"	N/A	N/A	1"	N/A	1 1/8"	20 1/4"	18"	3/4"	70
9212	30 1/8"	24 3/4"	34"	14 1/2"	16 5/8"	N/A	N/A	2 1/8"	N/A	1 1/8"	25 1/8"	21 1/8"	1"	143
9215	33 3/4"	28 5/8"	38 1/8"	17"	19 5/8"	N/A	N/A	2 1/8"	N/A	1 1/8"	30 5/8"	25 1/4"	1"	176
9218	41 1/2"	34"	44"	19 5/8"	22 5/8"	N/A	N/A	2 3/4"	N/A	1 1/8"	35 3/8"	31 5/8"	1"	323
9220	44 3/4"	41 1/8"	57 1/2"	25 3/4"	25 3/4"	N/A	N/A	3"	N/A	1 1/8"	38 3/8"	35 1/8"	1 7/16"	515

ACCESSORIES

- Filter sections
- Intake Hoods
- External Vibration Isolators
- Hot Water Coils
- Chilled Water Coils

FILTER SECTIONS & INTAKE HOODS

Series F200A, F9200A & H9200



F200A FILTER SECTION
For 9200 Series Duct Blowers

F9200A FILTER SECTION
For Model 9200 Duct Blowers

H9200 INTAKE HOOD
For 9200 Series Duct Blowers

MODEL	A	B	N	P	FILTER		UNIT WEIGHT (LBS)
					SIZE	QUANTITY	
F207A	17 3/4"	15 3/8"	16"	13 1/2"	14 1/8" X 16 5/8"	1	11
F209A	21"	18"	19 1/8"	16 1/8"	16 3/4" X 19 7/8"	1	12
F210A	22 1/4"	20"	20 3/8"	18 1/8"	18 3/4" X 21 1/8"	1	14
F212A	27"	23"	25 1/8"	21 1/8"	21 3/4" X 25 7/8"	1	16
F215A	32 1/2"	26 3/4"	30 5/8"	25 1/8"	25 3/4" X 31"	1	21
F218A	37"	33 1/4"	35 1/4"	31 1/2"	32 1/4" X 35 7/8"	1	46
F9220A	39 3/4"	37 1/4"	38 1/2"	35 1/4"	20" X 25"	6	64

MODEL	L	M	Z	FILTER		UNIT WEIGHT (LBS)
				SIZE	QUANTITY	
H9209	19 1/4"	16 9/16"	21 1/4"	16" X 24"	1	14
H9210	20 1/2"	18 9/16"	25 3/4"	15" X 20"	2	16
H9212	25 3/8"	21 9/16"	30 3/4"	20" X 25 & 16" X 25"	2	27
H9215	31 3/16"	25 13/16"	33 1/2"	20" X 28 1/2"	2	38
H9218	35 5/8"	32 11/16"	40 1/4"	20" X 25 (2) & 16" X 25"	3	50
H9220	38 5/8"	35 9/16"	22"	FILTERS NOT INCLUDED USE F9220A		40



AVAILABLE WITH MOTORS & DRIVES FACTORY INSTALLED. CONSULT OUR DELAIR FAN SELECTION SOFTWARE FOR DETAILS.

300 SERIES

Forward Curved Roof Exhauster

For economical use in schools, hospitals, high rise apartments and many other commercial & industrial applications where quiet operation is required.



Canarm certifies that the 300 Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Programme.



FEATURES

- Square base allows discharge to be oriented in any of 4 directions.
- Back draft damper and bird screen included.
- Heavy duty ball bearings suitable for -65° to +250° F.
- Cabinet insulated with 1/2" fiberglass insulation.
- Low operating RPM of forward curved blowers results in low noise levels.
- Quiet operation. Blower is mounted on heavy steel angle with rubber isolators.
- Attractive green baked powder coat finish.
- Automatic gravity back draft damper and bird screen are included.
- Motor receives the cooling benefits of being in the air stream for increased motor life.
- Recessed base ensures weather proof mounting to curb.

PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP							
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP	Min HP	Max HP
307	1200	1100	900	700	500	1/4	3/4
309	1800	1600	1300	1000	700	1/4	3/4
310	2800	2500	2200	2000	1600	1/4	1 1/2
312	3700	3300	2900	2500	1700	1/4	2
315	5700	5200	4600	4100	3400	1/2	3
318	8800	8000	7200	6600	5800	1/2	5

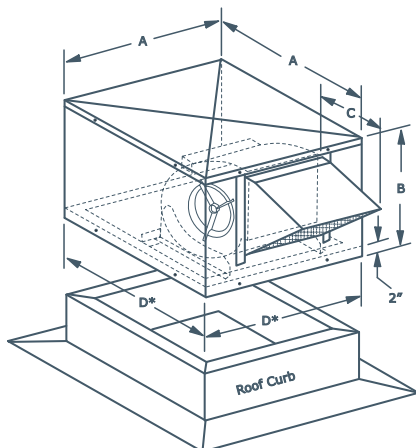
Power rating (BHP) does not include transmission losses. Performance certified is for installation type B - Free Inlet, Free Outlet. Performance ratings include the effects of the outlet hood and screen, but do not include the effect of other appurtenances (accessories).

CFM values listed above are summarized for convenience.

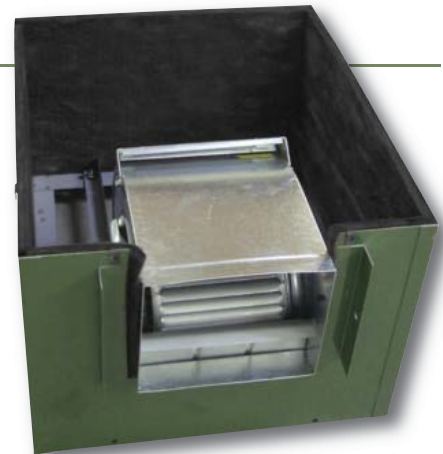
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DIMENSIONS

MODEL	A	B	C	* D INSIDE	SHAFT DIAMETER	UNIT WEIGHT (LBS) (without motor & drives)
307	20 3/8"	16 5/8"	9"	20"	3/4"	45
309	24 3/8"	19 3/8"	10 5/8"	24"	3/4"	63
310	28 3/8"	21 3/8"	11 3/8"	28"	3/4"	88
312	32 3/8"	24 5/8"	13 1/8"	32"	3/4"	113
315	36 3/8"	28 3/8"	14 7/8"	36"	1"	156
318	40 3/8"	33 3/4"	17 3/8"	40"	1"	224



D is an inside dimension. Curb size must be smaller to allow for flashing.



EASY TO SERVICE. BLOWER, MOTOR AND DRIVES ACCESSIBLE THROUGH THE CONVENIENT REMOVABLE TOP.

BACK DRAFT DAMPER RESISTANCE CALCULATION

MODEL	DAMPER FACTOR
307	1.520
309	0.469
310	0.175
312	0.167
315	0.052
318	0.033

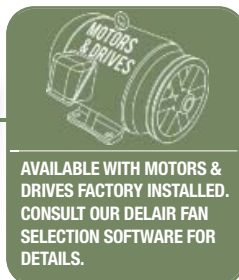
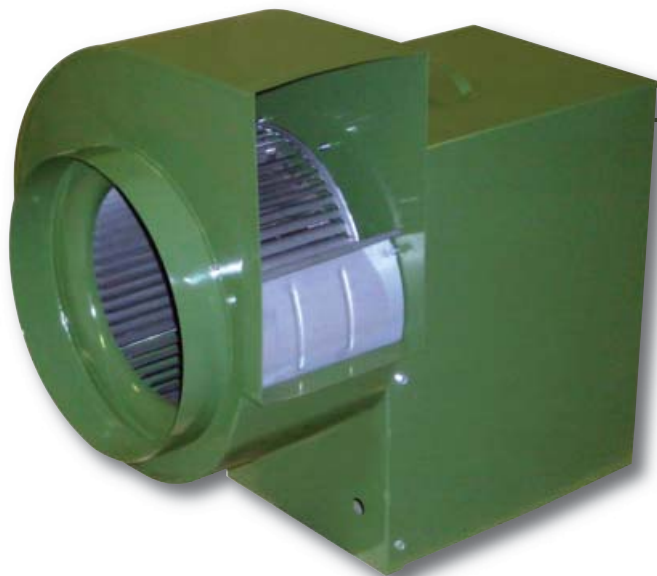
To estimate back draft damper resistance, use the following formula:

$$S.P. = \frac{CFM^2 \times \text{DAMPER FACTOR}}{1,000,000}$$

Example

Example Model 315, 1500 CFM

$$S.P. = \frac{1500 \times 1500 \times 0.052}{1,000,000} = 0.117 \text{ in. w.g.}$$



AVAILABLE WITH MOTORS & DRIVES FACTORY INSTALLED. CONSULT OUR DELAIR FAN SELECTION SOFTWARE FOR DETAILS.



Canarm certifies that the 600 Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 and comply with the requirements of the AMCA Certified Ratings Programme.



600 SERIES

FC Exhauster Belt Drive Utility Blower

MOTOR AND DRIVE COMPARTMENT WITH COVER REMOVED TO ILLUSTRATE 3 SIDE MOTOR ACCESS AND SLOPED MOTOR BASE FOR BELT TENSIONING.



FEATURES

- Standard, vented motor and drive compartment cover with handles for safety and weather protection.
- Sliding motor base for belt tension adjustment.
- Standard top horizontal discharge position can be easily rotated to any of 8 positions.
- Keywayed shaft.
- Outlet flanges on models 620, 622 & 625.
- Available in CW or CCW rotation.
- Shafts for 620, 622 & 625 models are keywayed for wheels and pulleys (610 to 618 models for pulleys only).
- Heavy duty pillow block ball bearings.

PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP							
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP	Min HP	Max HP
610	2600	2400	2300	2150	2050	1/6	2
612	3250	3000	2850	2700	2600	1/3	2
615	5260	4850	4500	4150	3550	1/3	3
618	6700	6300	5950	5550	5200	1/2	5
620	9300	8850	8500	8000	7700	1/2	7 1/2
622	10300	9750	9200	8600	8000	1/2	7 1/2
625	14300	13400	12550	11850	11400	1	10

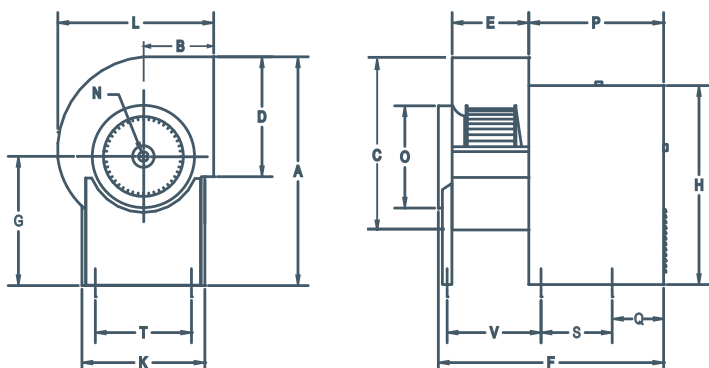
Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

CFM values listed above are summarized for convenience.

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	K	L	N	O	P	Q	S	T	V	WHEEL DIAMETER	WHEEL WIDTH	UNIT WEIGHT (LBS) (without motor)
610	24 13/16"	8"	17 7/16"	11 3/8"	9 3/16"	28 9/16"	15 1/16"	21 5/16"	13 3/16"	16 3/4"	3/4"	12"	17 1/4"	3 3/4"	11 3/4"	11 7/16"	--	11 1/8"	7 3/16"	57
612	26 9/16"	9 1/8"	20 1/4"	13 7/16"	9 3/16"	28 9/16"	15 1/16"	21 5/16"	13 3/16"	19 1/2"	3/4"	14"	17 1/4"	3 3/4"	11 3/4"	11 7/16"	--	12 7/8"	7 3/16"	60
615	36 3/4"	11 1/4"	28 1/16"	17"	12 1/2"	35 7/8"	20 1/16"	29 1/8"	16 9/16"	25 15/16"	1"	17"	21 1/8"	--	11 1/2"	14 11/16"	15 5/8"	15 1/2"	9 9/16"	124
618	36 5/16"	12 3/8"	28 7/8"	18 7/8"	14"	37 3/8"	20 1/16"	29 1/8"	16 9/16"	27"	1"	18"	21 1/8"	--	11 1/2"	14 11/16"	17 1/8"	18 1/2"	10 13/16"	144
620	48 9/16"	14 7/16"	35 3/4"	24 3/4"	15 3/4"	46 7/16"	28"	40 7/8"	25 1/4"	32 7/16"	1 3/16"	21"	27 11/16"	--	14 5/8"	22 1/2"	18 7/8"	20 7/16"	10 1/4"	278
622	50 9/16"	15 11/16"	39 3/8"	27 1/4"	17 1/8"	47 13/16"	28"	40 7/8"	25 1/4"	35 1/2"	1 3/16"	22 1/2"	27 11/16"	--	14 5/8"	22 1/2"	20 1/4"	22 1/8"	11 1/4"	296
625	53 11/16"	17 1/4"	44 3/8"	31 1/4"	19 5/8"	50 5/16"	28"	40 7/8"	25 1/4"	39 5/8"	1 3/16"	26 3/4"	27 11/16"	--	14 5/8"	22 1/2"	22 3/4"	25 1/4"	13"	329



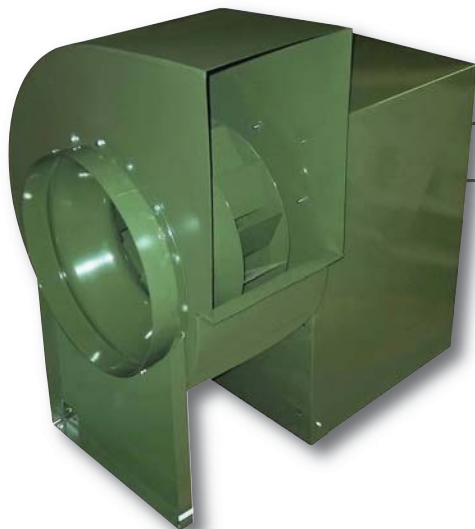
ACCESSORIES

- Back Draft Dampers
- Inlet & Outlet Screens
- Corrosion Resistant Finishes
- Bolted Clean Out Door
- Heat Slinger
- 2" Drain Fitting
- Shaft Seal (vinyl or polyethylene)
- Vibration Isolation

For more information on available accessories, please see page B13.

BI & BI-RM SERIES

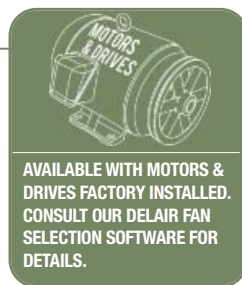
Belt Drive Utility Blowers



BI SERIES

FEATURES - BI SERIES

- Complete range of sizes from 10" to 36".
- Full AMCA Class 1 Operation.
- Non-overloading backward inclined (BI) welded wheels.
- Aluminum wheel - (AMCA type B classification for spark resistant construction) - available as an option.
- Discharge position can be field rotated to any of 8 discharge positions.
- Counter clock wise rotation is standard. Clock wise available.
- Outlet flanges on models BI-24 to BI-36.
- Temperature Ratings - without a heat slinger 250° F with a heat slinger, steel wheel 400° F, aluminum wheel 300° F.
- Motor access from 3 sides.
- Sloped motor base for ease of motor installation.
- Vented motor and drive compartment cover, with handles, for safety & weather protection.
- 16 gauge or heavier blower housing.
- Heavy duty pillow block ball bearings.



AVAILABLE WITH MOTORS & DRIVES FACTORY INSTALLED. CONSULT OUR DELAIR FAN SELECTION SOFTWARE FOR DETAILS.



MOTOR AND DRIVE COMPARTMENT WITH COVER REMOVED TO ILLUSTRATE 3 SIDE MOTOR ACCESS AND SLOPED MOTOR BASE FOR BELT TENSIONING.



Canarm certifies that the BI Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Programme.



PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP

MODEL	1" SP	2" SP	3" SP	4" SP	5" SP	Min HP	Max HP
BI-10	2300	2100	1700	1500	1300	1/2	2
BI-13	4000	3700	3400	3000	2600	1/2	5
BI-16	5800	5400	4900	4300	3700	3/4	7 1/2
BI-18	7300	6800	6200	5600	4700	3/4	7 1/2
BI-20	8500	8000	7200	6500	5200	1	7 1/2
BI-24	13000	12000	11000	10000	8000	1 1/2	15
BI-27	16000	15000	14000	12500	11000	1.5	15
BI-30	18000	17000	16000	14000	12000	2	15
BI-36	28000	26000	24000	22000	19000	3	25

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

CFM values listed above are summarized for convenience.

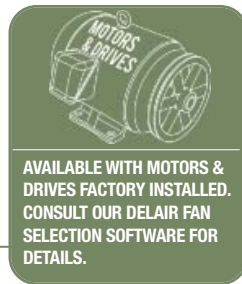
FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR



BI-RM SERIES

FEATURES - BI-RM SERIES

- UL 762 Listed for removal of cooking vapours.
- Meets NFPA 96 guidelines.
- Upblast discharge directs exhaust away from roof.
- Integral handles for single person removal of motor and drive compartment cover.
- Continuously welded 16 gauge or heavier blower housing.
- Bolted clean out door.
- 2" drain for easy removal of cleaning solutions.
- Complete range of sizes from 10" to 36".
- Vinyl shaft seal.



AVAILABLE WITH MOTORS & DRIVES FACTORY INSTALLED. CONSULT OUR DELAIR FAN SELECTION SOFTWARE FOR DETAILS.



Canarm certifies that the BI Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Programme.

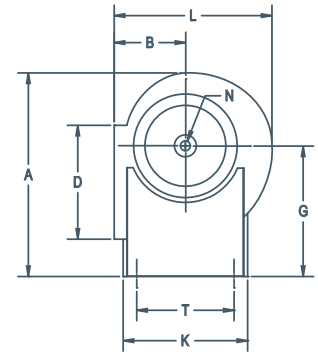
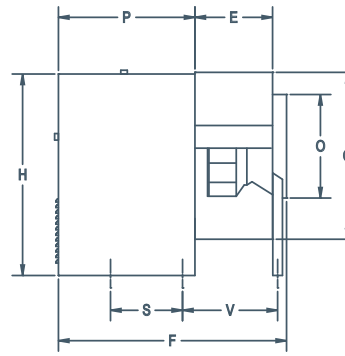
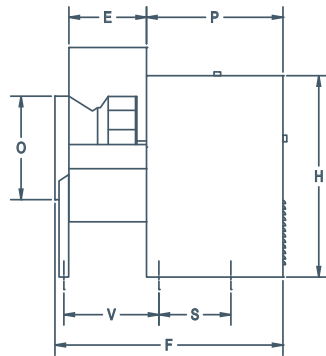
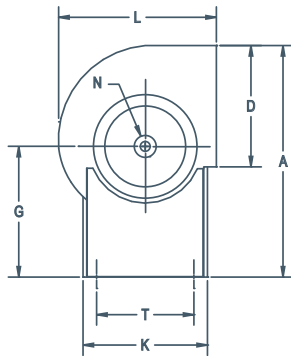


UL762 UL762 certified, refer to our UL762 Catalogue page B in *Roof Mount Ventilation* for all installation requirements

BI & BI-RM SERIES

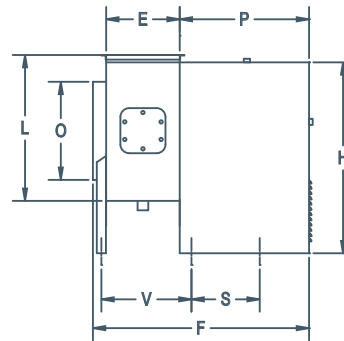
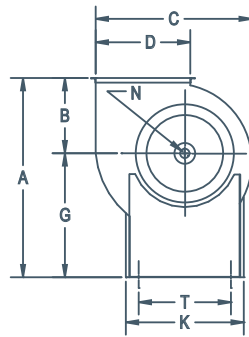
Belt Drive Utility Blowers

DIMENSIONS



MODELS BI-10 TO BI-27
(STANDARD TOP HORIZONTAL DISCHARGE)

MODELS BI-30 TO BI-36
(STANDARD BOTTOM HORIZONTAL DISCHARGE)



MODELS BI-RM-10 TO BI-RM-24
(UL 762 LISTED FOR REMOVAL OF COOKING VAPOURS)

MODEL	OUTLET																	SHAFT DIA.	INLET	UNIT WEIGHT (LBS) (without motors & drives)
	A (STANDARD MODELS)	A (BI-RM MODELS)	B	C	D	E	F	G	H	K (CABINET WIDTH)	L	N	O	P	S	T	V			
BI-10	26 3/4"	23 5/8"	8 3/8"	18 15/16"	11 5/16"	8 1/4"	27 3/4" No Leg on BI-10	15 1/4"	21 5/16"	13 3/16"	17 3/8"	3/4"	11"	17 1/4"	11 3/4"	11 7/16"	--	78		
BI-13	34 5/16"	30 13/16"	10 3/4"	24 1/2"	14 3/8"	10 3/4"	34 1/8"	20 1/16"	29 1/8"	16 9/16"	22 1/2"	1"	14 3/8"	21 1/8"	11 1/2"	14 11/16"	14"	134		
BI-16	39 3/8"	34 11/16"	12 11/16"	29 7/8"	17 5/8"	13 1/8"	36 1/2"	22"	31"	16 9/16"	26 7/8"	1 3/16"	17 3/8"	21 1/8"	11 1/2"	14 11/16"	16 3/8"	162		
BI-18	41 1/4"	35 13/16"	13 13/16"	33"	19 3/8"	14 1/2"	37 7/8"	22"	31"	16 9/16"	29 5/8"	1 3/16"	19 3/8"	21 1/8"	11 1/2"	14 11/16"	17 3/4"	172		
BI-20	49 1/8"	42 15/16"	14 15/16"	36 1/4"	21 1/4"	15 3/4"	46 7/16"	28"	40 7/8"	25 1/4"	32 1/4"	1 3/16"	21 1/4"	27 11/16"	14 5/8"	22 3/4"	19 3/4"	289		
BI-24	57 7/8"	49 13/16"	17 13/16"	44 3/8"	26"	19 3/8"	51 5/16"	32"	46 1/2"	28 15/16"	39"	1 7/16"	26"	28 15/16"	18 5/16"	25 1/2"	23 3/8"	385		
BI-27	60 1/2"	51 7/16"	19 7/16"	48 7/8"	28 5/8"	21 1/4"	53 3/16"	32"	46 1/2"	28 15/16"	42 3/4"	1 7/16"	28 5/8"	28 15/16"	18 5/16"	25 1/2"	25 1/4"	411		
BI-30	65 15/16"	68 3/16"	24 7/8"	54 7/16"	31 3/4"	23 5/8"	57 5/8"	43 5/16"	64 3/4"	43 3/8"	50 3/4"	1 11/16"	31 3/4"	32"	17"	41"	28 9/16"	517		
BI-36	70 15/16"	68 15/16"	25 1/2"	66 1/16"	38 5/8"	28 3/4"	62 3/4"	43 7/16"	64 3/4"	43 3/8"	57"	1 15/16"	38 3/4"	32"	17"	41"	33 11/16"	747		

ACCESSORIES

- V-Cap
- Bolted Clean Out Door
- Heat Slinger
- Vibration Isolators

- Shaft Seal
- Corrosion Resistant Coating
- Aluminum Wheel
- Back Draft Dampers

- Inlet & Outlet Screens
- 2" Drain Fitting

For more information on Accessories, see page B13.

HRE SERIES HORIZONTAL RESTAURANT EXHAUSTERS



INDUSTRIES SERVED

- Restaurant

FEATURES

- UL762 Listed for the removal of cooking vapors
- Meets NFPA-96 Installation guidelines
- Convenient hinged curb mounting
- Clean-out access door
- Fully welded, 16 gauge or heavier blower housing c/w shaft seal to eliminate grease leakage
- 2 inch drain connection
- Pillow block ball bearings
- Upblast discharge directs exhaust away from roof
- Heavy duty, backward inclined non-overloading wheel



AVAILABLE WITH MOTORS & DRIVES FACTORY INSTALLED. CONSULT OUR DELTA FAN SELECTION SOFTWARE FOR DETAILS.



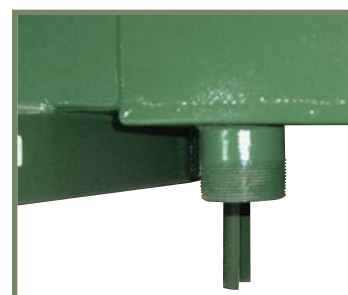
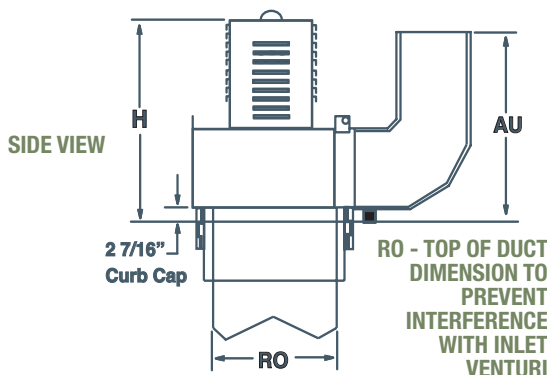
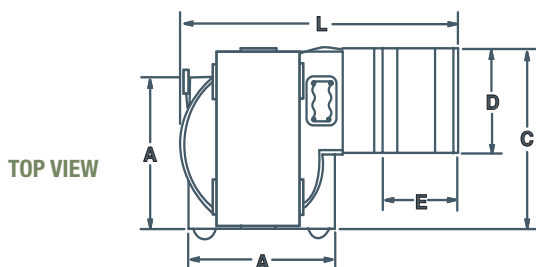
UL762 UL762 certified, refer to our UL762 Catalogue page B in Roof Mount Ventilation for all installation requirements

DIMENSIONS

MODEL	A	CURB (SQUARE)	AU	D	E	H	L	RO	SHAFT DIAMETER	UNIT WEIGHT (LBS) (without motors & drives)
HRE-13	21 1/2"	20 1/2"	27 7/16"	14 3/4"	10 5/8"	30 15/16"	41 7/8"	17 1/2"	1"	147
HRE-16	25 1/2"	24 1/2"	31 1/2"	17 7/8"	13 1/4"	34 1/4"	48 11/16"	21 5/16"	1 3/16"	204
HRE-20	29 1/2"	28 1/2"	35 7/8"	21 9/16"	15 5/8"	40 1/16"	56 1/8"	25 1/2"	1 3/16"	251
HRE-24	34 1/2"	33 3/8"	40 5/8"	26 5/16"	19 1/2"	43 5/8"	66 7/8"	30 1/8"	1 7/16"	362



UNIT SHOWN WITH COVER REMOVED



2" DRAIN CONNECTION



CONVENIENT CLEAN OUT ACCESS DOOR

OPTIONAL ACCESSORIES

- Vented roof curbs comes with hinge
- For additional information on roof curbs, see page B31.
- Discharge "V" cap (rain cap)

BACK DRAFT DAMPERS

- Fits the outlet of all 200, 400, 600, 9200 and BI Series Utility Blowers.
- Constructed of 16 ga. aluminum.
- Gravity activated.
- Easily field installed.

INLET SCREENS

- Fits all single inlet 400, 600 and BI Series Utility Blowers.
- Round inlet screens mount on the inlet collars of the blowers.
- Easily field installed.

OUTLET SCREENS

- Fits all single inlet 400, 600 and BI Series Utility Blowers.
- Rectangular outlet screens mount over the square outlet of the units.
- Easily field installed.

BOLTED CLEAN OUT DOOR

- Allows easy access for inspection and cleaning of the wheel & housing.
- A tight pattern of bolts holds the gasketed door in place on the curved face of the scroll shaped wheel housing.

HEAT SLINGER

- Cast aluminum disk with radial blades, split for easy field installation on the shaft between the housing and the inboard bearing.
- Can be used on Canarm/Delhi's BI/600 units.
- Provides protection for the bearing from excessive heat. The slinger dissipates heat from the shaft before reaching the bearing and increases the air flow across the inboard bearings.
- Good for a maximum of 400° Fahrenheit air stream temperature.

V CAP

- For BI upblast utility sets to reduce rain and snow entry.
- Easily field installed above the blower outlet.

DRAIN FITTING

- Large, 2" diameter threaded pipe fitting resists clogging.
- Can be connected to a drainage system if desired.
- Factory welded in place, prior to painting.

SHAFT SEAL

- Good for a maximum of 220° Fahrenheit.
- Prevents migration of fumes, grease vapors, dust etc from the airstream into the compartment housing motors, drives and bearings.
- Can be used on Canarm/Delhi's BI/600 Utility units.
- Easily field installed.
- Installed on the shaft between the bearing plate and back panel in the motor compartment.
- Constructed of 1/4" thick polyethylene for a good seal and resistance to many substances.

VIBRATION ISOLATORS RUBBER

- Reduces vibration transmission to floors or roof surfaces.
- Suitable for indoor and outdoor use.

VIBRATION ISOLATORS SPRING

- Reduces vibration transmission to floors or roof surfaces.
- Suitable for indoor use only.

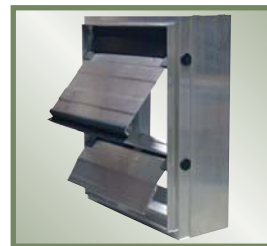
VIBRATION ISOLATORS OUTDOOR SPRING

- Reduces vibration transmission to floors or roof surfaces.
- Designed for outdoor use. Housed to resist lateral motion from winds.

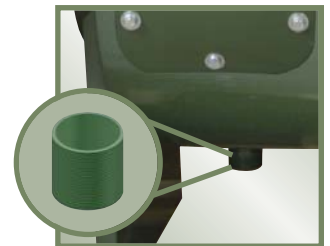
ALUMINUM WHEEL

- For use with the BI & BI-RM series units.
- AMCA type B classification for spark resistant construction

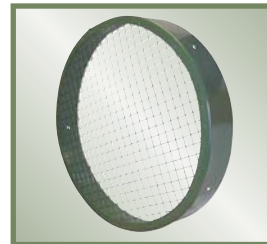
OPTIONS & ACCESSORIES



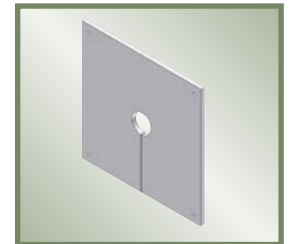
BACK DRAFT DAMPER



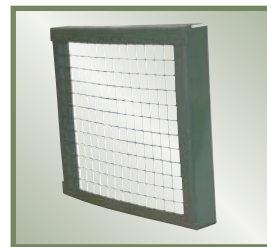
DRAIN FITTING



INLET SCREEN



SHAFT SEAL



OUTLET SCREEN



VIBRATION ISOLATORS RUBBER



BOLTED CLEAN OUT DOOR



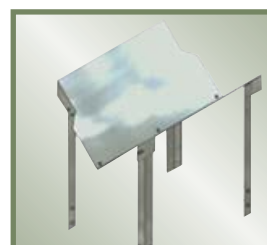
VIBRATION ISOLATORS SPRING



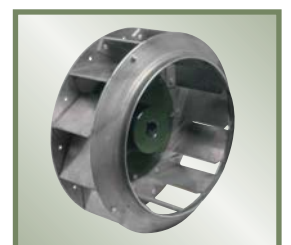
HEAT SLINGER



VIBRATION ISOLATORS OUTDOOR SPRING



V CAP



ALUMINUM WHEEL

NEW | now with
EC MOTORS
for energy savings

ALX-UD & ALX-UD-EC SERIES - UPBLAST DIRECT DRIVE SPUN ALUMINUM EXHAUSTERS



Intertek
705 762

FEATURES

- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Available with PSC or EC motors
- Variable speed PSC motors available on ALX 105/120/135
- All motors are 1 Phase 120/240V operation and can be operated at 50 or 60 Hz.
- All units can be wall mounted.
- Quick release latches for easy motor access

Ideal for exhausting air from restaurants, offices, warehouses or commercial buildings. The ALX series spun aluminum exhaust fan can be used as either a roof top or wall mount exhaust fan.

FEATURING PERFECT SPEED EC MOTORS - UP TO 82% EFFICIENCY

ENERGY SAVINGS OF UP TO 70% OVER REGULAR DUTY PSC MOTORS

For Performance Specifications please see next page.

FEATURING ENERGY SAVING
EC MOTORS



EC MOTORS ONLY

- EC motors offer true variable speed operation and up to 70% energy savings over PSC motors.
- On-board speed adjustment allows simple setup and balancing with LED display.
- Can be controlled remotely up to 50' using a remote mount potentiometer or 0-10V.

OPTIONS

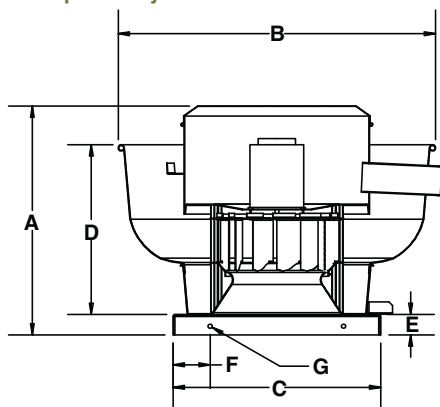
- Motorized damper (UL705 models only)
- Gravity (automatic) damper (UL705 models only)
- Wall mount bracket (for all sizes up to 24")
- Bird screen (UL705 only)
- Grease collection box (required for UL762)
- Curb hinge
- Disconnect switches
- Roof Curbs
- MC series solid state variable speed controls (ALX105-135 models)
- Remote mount potentiometer (available soon - EC models)
- Other curb caps options available. See C2 in dimensions table.



DIMENSIONS

MODEL	DIMENSIONS (INCHES)										Net Weight	
	A	B	C	C2	D	E	F	G	Ø	Wheel Diameter		Roof Opening
ALX090-UD	14.25	17.75	19.00	-	9.50	2.00	-	-	-	9.00	13.00	30 lbs
ALX105-UD/EC	18.00	25.00	19.00	21.00	13.00	1.50	3.50	0.38	-	10.50	15.00	35 lbs
ALX120-UD/EC	19.00	25.00	19.00	21.00	13.00	1.50	3.50	0.38	-	12.25	15.00	37 lbs
ALX135-UD/EC	22.25	32.13	21.00	24.75	17.13	2.00	3.75	0.44	-	13.50	17.00	53 lbs
ALX150-UD/EC	23.13	32.13	21.00	24.75	17.13	2.00	3.75	0.44	-	15.00	17.00	58 lbs
ALX165-UD/EC	27.13	37.50	24.75	28.00	21.13	2.00	4.00	0.44	-	16.50	20.75	100 lbs
ALX180-UD-EC*	31.75	37.50	28.00	24.75	21.13	2.00	4.00	0.44	-	18.25	20.75	116 lbs
ALX210-UD-EC*	36.25	43.75	33.13	40.00	25.50	2.50	4.00	0.44	-	21.00	29.00	178 lbs

*EC motor option only



DISCONNECT SWITCHES

- Wire disconnect switches are available. See Controls & Thermostats section for details.



UL762 certified, refer to our UL762 Catalogue page B in Roof Mount Ventilation for all installation requirements



Canarm certifies that the ALX-UD Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



ALX-UD & ALX-UD-EC SERIES - UPBLAST DIRECT DRIVE SPUN ALUMINUM EXHAUSTERS

PERFORMANCE SPECIFICATIONS & CFM RATINGS

Unit	Motor			Airflow (CFM) @ Static Pressure															
	HP	Variable Speed	Max RPM	0.0"		.25"		.5"		.75"		1.00"		1.25"		1.5"		2.0"	
				High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
ALX090-UD008V	1/12	Y	1650	525	275	425	100	340	100	-	-	-	-	-	-	-	-	-	-
ALX105-UD013V	1/8	Y*	1650	700	526	600	451	400	300	-	-	-	-	-	-	-	-	-	-
ALX105-UD033EC	1/3	Y	1800	1051	217	954	319	866	393	732	440	534	483	-	-	-	-	-	-
ALX120-UD033V	1/3	Y*	1650	1300	977	1100	826	1000	751	800	601	600	451	-	-	-	-	-	-
ALX120-UD033EC	1/3	Y	1800	1548	325	1422	336	1282	367	1133	395	947	408	633	438	-	-	-	-
ALX135-UD050V	1/2	Y**	1650	1600	1200	1500	1127	1400	1052	1200	901	1100	826	900	676	300	225	-	-
ALX135-UD033EC	1/3	Y	1500	1578	400	1491	450	1346	600	1212	700	1053	850	-	-	-	-	-	-
ALX135-UD050EC	1/2	Y	1700	1723	400	1622	450	1518	600	1407	700	1277	850	1125	1000	-	-	-	-
ALX135-UD075EC	3/4	Y	1800	1865	400	1774	450	1679	600	1582	700	1472	850	1338	1000	1165	1100	-	-
ALX150-UD075S	3/4	N	1650	2200	-	2000	-	1900	-	1700	-	1500	-	1300	-	1000	-	-	-
ALX150-UD033EC	1/3	Y	1300	1852	600	1735	579	1594	663	1403	767	1157	846	-	-	-	-	-	-
ALX150-UD050EC	1/2	Y	1425	2003	581	1934	688	1754	680	1595	733	1389	823	1114	765	-	-	-	-
ALX150-UD075EC	3/4	Y	1650	2353	696	2261	711	2161	733	2048	674	1917	827	1751	940	1574	980	1269	1052
ALX150-UD100EC	1	Y	1800	2544	647	2462	643	2361	732	2276	680	2173	830	2050	940	1896	972	1496	1144
ALX165-UD150S	1 1/2	N	1650	3400	-	3300	-	3200	-	3000	-	2900	-	2800	-	2600	-	2200	-
ALX165-UD033EC	1/3	Y	1100	2323	861	2084	800	1878	921	1589	1068	-	-	-	-	-	-	-	-
ALX165-UD050EC	1/2	Y	1225	2595	861	2372	800	2155	921	1970	1068	1687	1155	-	-	-	-	-	-
ALX165-UD075EC	3/4	Y	1400	2965	861	2780	800	2579	921	2427	1068	2236	1155	1986	1318	1682	1405	-	-
ALX165-UD100EC	1	Y	1500	3179	878	3004	851	2816	921	2662	1068	2507	1155	2293	1318	2064	1405	1749	1524
ALX180-UD100EC	1	Y	1200	3275	1100	3100	1225	2875	1350	2600	1475	2225	1625	1800	1750	-	-	-	-
ALX210-UD100EC	1	Y	900	4300	1700	4000	1750	3725	1800	3400	1850	2900	1950	2200	2025	-	-	-	-

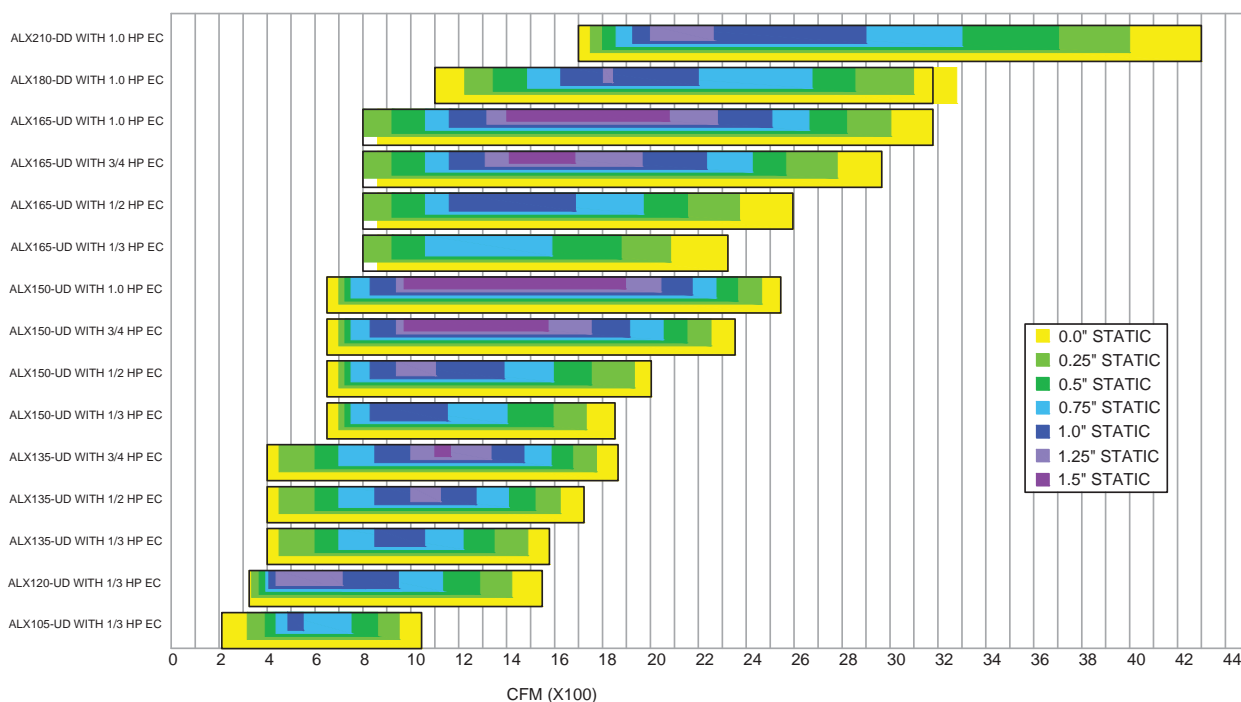
* Using MC5 (for 115V or MC5-230 (for 230V)

Minimum motor speed 425 RPM (EC Models)

** Using MC10 (for 115V or MC5-230 (for 230V)

EC motors can be controlled using the built in potentiometer on motor or by using a 0 to 10 V controller, or by a remote potentiometer.

ALX UPBLAST SERIES AIRFLOW RANGE WITH EC MOTORS





ALX-UB SERIES - UPBLAST BELT DRIVE SPUN ALUMINUM EXHAUSTERS

Ideal for exhausting air from restaurants, offices, warehouses or commercial buildings. The ALX series spun aluminum exhaust fan can be used as either a roof top or wall mount exhaust fan.

Now stocked (or with a 2-3 day lead time) complete with pre-set motor and drives using adjustable motor pulley for field adjustment!

For Performance Specifications please see next page.



FEATURES

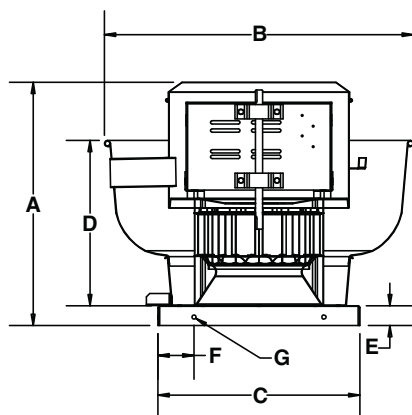
- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Belt drive.
- Available with a variety of field or factory installed 1 phase & 3 phase motors.
- Units up to 24" can be wall mounted.
- Quick release latches for easy motor access.

DIMENSIONS

NOTE: DUE TO MOTOR MANUFACTURERS VARIANCES IN DESIGN, PLEASE SEE USER MANUAL FOR MOTOR DIMENSIONAL GUIDELINES.

MODEL	DIMENSIONS (INCHES)											Net Weight (Without Motors)
	A	B	C	C2	D	E	F	G Ø	Shaft Size	Wheel Diameter	Roof Opening	
ALX135-UB	25.25	32.13	21.00	24.75	17.13	2.00	3.75	0.44	3/4"	13.50	17.00	43 lbs
ALX150-UB	26.13	32.13	21.00	24.75	17.13	2.00	3.75	0.44	3/4"	15.00	17.00	45 lbs
ALX165-UB	31.13	37.50	24.75	28.00	21.13	2.00	4.00	0.44	3/4"	16.50	20.75	108 lbs
ALX180-UB	31.75	37.50	28.00	24.75	21.13	2.00	4.00	0.44	3/4"	18.25	20.75	116 lbs
ALX210-UB	36.25	43.75	33.13	40.00	25.50	2.50	4.00	0.44	1"	21.00	29.00	178 lbs
ALX245-UB	37.00	43.75	33.13	40.00	25.50	2.50	4.00	0.44	1"	24.50	29.00	183 lbs
ALX300-UB	40.00	52.75	40.00	-	33.50	2.00	-	-	1 3/16"	36.00	36.00	410 lbs
ALX360-UB	45.56	63.44	44.00	-	43.44	2.00	-	-	1 3/16"	40.00	40.00	470 lbs

Note: Net weights for belt drive units do not include motor & drives.



QUICK RELEASE LATCHES FOR EASY MOTOR ACCESS

OPTIONS

- Motorized damper (UL705 models only)
- Gravity (automatic) damper (UL705 models only)
- Wall mount bracket (for all sizes up to 24")
- Bird screen (UL750 only)
- Grease collection box (required for UL762)
- Curb hinge
- Disconnect switches
- VFD's for 3 phase motors
- Roof curbs
- Other curb caps options available. See C2 in dimensions table.

DISCONNECT SWITCHES

- Wire disconnect switches are available. See Controls & Thermostats section for details.



UL762 certified, refer to our UL762 Catalogue page B in Roof Mount Ventilation for all installation requirements



Canarm certifies that the ALX-UB Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



ALX-UB SERIES - UPBLAST BELT DRIVE SPUN ALUMINUM EXHAUSTERS

PERFORMANCE SPECIFICATIONS

ALX UB WITH MOTORS & DRIVES and wired disconnect

Values @ 0.5" SP

Single	Three Phase	RPM Range	HP	RPM	BHP	Sones	0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	1.75
ALX135UBT10025**		862-1293	1/4	1078	0.16	8.6	1100	1038	943	838	750	-	-	-	-	-
ALX135UBT10033**		932-1398	1/3	1260	0.25	12.8	1302	1226	1159	1102	1000	835	-	-	-	-
ALX135UBT10050**		1122 - 1552	1/2	1458	0.38	16.5	1500	1446	1388	1331	1250	1105	959	-	-	-
ALX150UBT10050**		932-1398	1/2	1288	0.4	20	1775	1700	1625	1525	1400	1167	880	-	-	-
ALX150UBT10075**		1078-1617	3/4	1528	0.66	27	2100	2038	1966	1887	1800	1632	1437	1210	900	-
ALX150UBT10100	ALX150UBT30100*	1341-1820	1	1653	0.83	31	2278	2230	2159	2073	2000	1853	1677	1486	1266	985
ALX165UBT10100	ALX165UBT30100*	1097-1489	1	1252	0.6	21	2598	2554	2471	2382	2300	2121	1898	1516	-	-
ALX165UBT10150	ALX165UBT30150*	1254-1646	1.5	1466	0.94	26	3050	3006	2929	2885	2800	2656	2497	2325	2096	-
ALX180UBT10100	ALX180UBT30100*	980-1293	1	1241	0.92	25	3350	3320	3216	3137	3000	2731	2413	2039	-	-
ALX180UBT10200	ALX180UBT30200*	1097-1489	2	1403	1.31	30	3800	3746	3675	3597	3500	3307	3064	2751	2446	1991
ALX210UBT10150	ALX210UBT30150*	862-1132	1.5	1017	1.1	21	4320	4241	4098	3936	3800	3487	3057	2380	-	-
ALX245UBT10150	ALX245UBT30150*	673-889	1.5	790	1.01	18.9	5146	5006	4726	4535	4200	3466	2384	-	-	-
ALX245UBT10200	ALX245UBT30200*	745-979	2	862	1.31	22	5604	5477	5273	5057	4800	4204	3415	2218	-	-
ALX245UBT10300	ALX245UBT30300*	862-1132	3	964	1.84	28	6266	6152	5999	5795	5600	5095	4510	3797	2804	-

** 115V only. All other motors will be wired at high voltage.

For three phase motors, substitute "" with "M" for 230/460 volt (wired for 460V) or "P" for 575 volt

UL705 = 1Ø Only

ALX UB WITHOUT MOTORS & DRIVES

	MODEL	MIN HP	MAX HP	MAX RPM	TYPICAL MAXIMUM CFM @ SP								
					0"	0.25"	0.5"	0.75"	1"	1.25"	1.5"	2"	2.25"
Use Delair to price with motors and drives	ALX135-UB	1/4	3/4	1800	1800	1700	1600	1500	1400	1300	1100	-	-
	ALX150-UB	1/4	1	1800	2400	2300	2200	2100	1900	1800	1600	1200	-
	ALX165-UB	1/4	2	1800	3700	3600	3500	3400	3300	3200	3000	2700	2600
	ALX180-UB	1/4	2	1500	4000	3900	3700	3600	3300	3100	2800	2100	600
	ALX210-UB	1/2	3	1300	5500	5200	5000	4700	4400	4100	3700	2600	300
	ALX245-UB	1/2	3	1200	7400	7100	6800	6400	6000	5600	5100	4000	3500
	ALX300-UB	3/4	5	950	12000	11500	11000	10300	9800	9000	8250	7000	6000
ALX360-UB	3/4	10	850	22000	20500	20000	19250	18500	17000	16000	14000	12500	

Consult our Delair fan selection software for fan curves and performance data.
 Download Delair at www.canarm.com/delair

NEW | now with
EC MOTORS
for energy savings

ALX-DD & ALX-DD-EC SERIES DOWNBLAST DIRECT DRIVE SPUN ALUMINUM EXHAUSTERS



QUICK RELEASE
LATCH FOR
EASY MOTOR
ACCESS



FEATURES

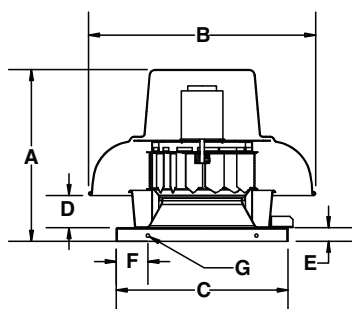
- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Available with PSC or EC Motors
- Variable speed PSC Motors available on ALX105/120/135
- All motors are 1 Phase 120/240V operation and can be operated at 50 or 60 Hz.
- All units can be wall mounted.
- Quick release latches for easy motor access on ALX135 – ALX165.

DIMENSIONS

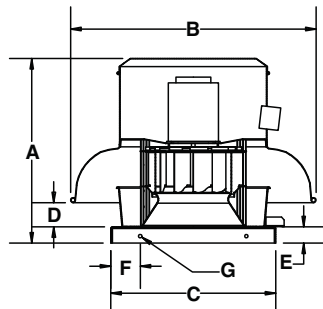
MODEL	DIMENSIONS (INCHES)									Roof Opening	Net Weight
	A	B	C	C2	D	E	F	G	Ø		
ALX090-DD	14.5	20.75	19	-	-	2	-	-	9	13	30
ALX105-DD/EC	18.00	25.00	19.00	21.00	2.50	1.50	3.50	0.38	10.50	15.00	33 lbs
ALX120-DD/EC	19.00	25.00	19.00	21.00	3.50	1.50	3.50	0.38	12.25	15.00	35 lbs
ALX135-DD/EC	22.25	31.25	21.00	24.75	3.13	2.00	3.75	0.44	13.50	17.00	51 lbs
ALX150-DD/EC	23.13	31.25	21.00	24.75	3.75	2.00	3.75	0.44	15.00	17.00	56 lbs
ALX165-DD/EC	27.13	36.25	24.75	28.00	5.00	2.00	4.00	0.44	16.50	20.75	100 lbs
ALX180-DD/EC*	31.75	36.25	28.00	24.75	5.50	2.00	4.00	0.44	18.25	20.75	114 lbs
ALX210-DD/EC*	36.25	43.75	33.13	40.00	5.25	2.50	4.00	0.44	21.00	29.00	176 lbs

*EC motor option only

ALX105 / 120 - DD



ALX135 / 150 / 165 / 180 - DD



Ideal for exhausting air from factories, offices, warehouses or commercial buildings. The ALX series spun aluminum exhaust fan can be used as either a roof top or wall mount exhaust fan.

For Performance Specifications please see next page.

Consult our Delair fan selection software for fan curves and performance data

Download Delair at www.canarm.com/delair

**FEATURING PERFECT
SPEED EC MOTORS - UP TO
82% EFFICIENCY**

**ENERGY SAVINGS OF UP
TO 70% OVER REGULAR
DUTY PSC MOTORS**

EC MOTORS ONLY

- EC motors offer true variable speed operation and up to 70% energy savings over PSC motors.
- On-board speed adjustment allows simple setup and balancing with LED display.
- Can be controlled remotely up to 50' using a remote mount potentiometer or 0-10V.



OPTIONS & ACCESSORIES

- Motorized damper
- Gravity (automatic) damper
- Wall mount bracket (for all sizes up to 24")
- Bird screen
- Curb hinge
- Disconnect switches
- Roof Curbs
- MC series solid state variable speed controls (ALX 150/120 and 135)
- Remote mount potentiometer (available soon - EC models)
- Other curb caps options available. See C2 in dimensions table.



Canarm certifies that the ALX-DD Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



ALX-DD & ALX-DD-EC SERIES - DOWNBLAST DIRECT DRIVE SPUN ALUMINUM EXHAUSTERS

PERFORMANCE SPECIFICATIONS & CFM RATINGS

Unit	Motor			Airflow (CFM) @ Static Pressure															
	HP	Variable Speed	Max RPM	0.0"		.25"		.5"		.75"		1.00"		1.25"		1.5"		2.0"	
				High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
ALX090-DD008V	1/12	Y	1650	500	250	425	100	300	100	-	-	-	-	-	-	-	-	-	-
ALX105-DD013V	1/8	Y*	1650	700	526	600	451	300	225	-	-	-	-	-	-	-	-	-	-
ALX105-DD033EC	1/3	Y	1800	1100	239	1003	335	877	396	729	460	486	486	-	-	-	-	-	-
ALX120-DD033V	1/4	Y*	1650	1300	977	1200	901	1000	751	800	601	600	451	-	-	-	-	-	-
ALX120-DD033EC	1/3	Y	1725	1544	341	1406	400	1279	436	1095	438	810	472	-	-	-	-	-	-
ALX120-DD050EC	1/2	Y	1800	1610	341	1477	400	1357	436	1201	438	955	472	571	484	-	-	-	-
ALX135-DD050V	1/2	Y**	1650	1700	1277	1600	1200	1400	1042	1300	977	1100	826	900	676	500	375	-	-
ALX135-DD033EC	1/3	Y	1500	1578	414	1469	494	1341	574	1194	750	1009	865	-	-	-	-	-	-
ALX135-DD050EC	1/2	Y	1750	1843	414	1747	494	1645	574	1530	750	1405	865	1258	919	-	-	-	-
ALX135-DD075EC	3/4	Y	1800	1894	414	1805	494	1706	574	1597	750	1475	865	1344	919	1149	977	-	-
ALX150-DD075S	3/4	N	1650	2400	-	2200	-	2000	-	1900	-	1700	-	1500	-	1200	-	700	-
ALX150-DD033EC	1/3	Y	1250	1806	570	1649	499	1425	633	1179	812	-	-	-	-	-	-	-	-
ALX150-DD050EC	1/2	Y	1475	2133	570	2003	499	1842	633	1640	812	1430	866	1175	879	-	-	-	-
ALX150-DD075EC	3/4	Y	1675	2424	570	2312	499	2182	633	2016	812	1837	866	1654	879	1448	1072	-	-
ALX150-DD100EC	1	Y	1800	2603	570	2500	499	2383	633	2245	812	2075	866	1913	879	1739	1072	1273	1116
ALX165-DD150S	1 1/2	N	1650	3500	-	3400	-	3200	-	3100	-	2900	-	2700	-	2600	-	2100	-
ALX165-DD033EC	1/3	Y	1050	2264	860	2034	825	1787	1044	1470	1194	-	-	-	-	-	-	-	-
ALX165-DD050EC	1/2	Y	1175	2529	860	2328	825	2115	1044	1861	1194	1568	1320	-	-	-	-	-	-
ALX165-DD075EC	3/4	Y	1350	2909	860	2731	825	2546	1044	2362	1194	2132	1320	1879	1441	-	-	-	-
ALX165-DD100EC	1	Y	1475	3180	860	3018	825	2851	1044	2685	1194	2500	1320	2276	1441	2046	1545	-	-
ALX180-DD100EC	1	Y	1200	390	1300	3625	1380	3325	1450	3000	1550	2650	1650	2200	1750	-	-	-	-
ALX210-DD100EC	1	Y	900	4600	1800	4325	1825	3700	1875	3450	1900	2850	1925	2000	1950	-	-	-	-

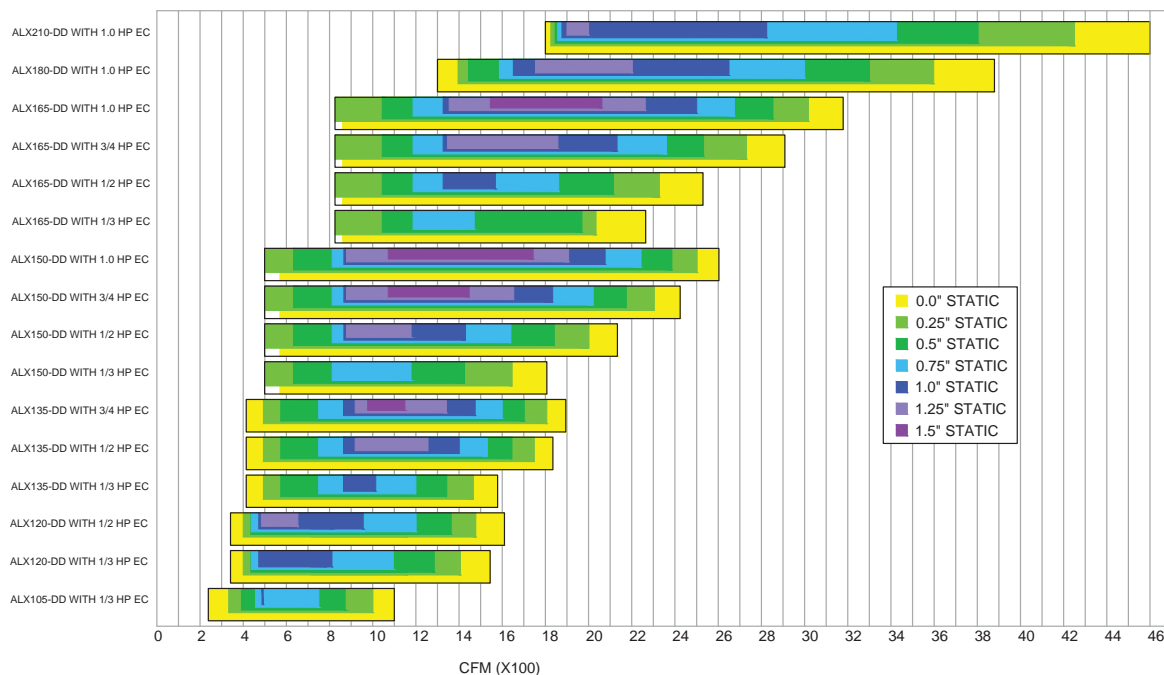
* Using MC5 (for 115V or MC5-230 (for 230V)

Minimum motor speed 425 RPM (EC Models)

** Using MC10 (for 115V or MC5-230 (for 230V)

EC motors can be controlled using the built in potentiometer on motor or by using a 0 to 10 V controller, or by a remote potentiometer.

ALX DOWNBLAST SERIES AIRFLOW RANGE WITH EC MOTORS





ALX-DB SERIES - DOWNBLAST BELT DRIVE SPUN ALUMINUM EXHAUSTERS

Ideal for exhausting air from factories, offices, warehouses or commercial buildings. The ALX series spun aluminum exhaust fan can be used as either a roof top or wall mount exhaust fan.

Now stocked (or with a 2-3 day lead time) complete with pre-set motor and drives using adjustable motor pulley for field adjustment!

For Performance Specifications please see next page.



QUICK RELEASE LATCH FOR EASY MOTOR ACCESS

FEATURES

- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Belt drive
- Available with a variety of field or factory installed 1 phase & 3 phase motors.
- Units up to 24" can be wall mounted.
- Quick release latches for easy motor access.
- Standard bird screen.

DIMENSIONS

NOTE: DUE TO MOTOR MANUFACTURERS VARIANCES IN DESIGN, PLEASE SEE USER MANUAL FOR MOTOR DIMENSIONAL GUIDELINES.

MODEL	DIMENSIONS (INCHES)											Net Weight (Without Motors)
	A	B	C	C2	D	E	F	G Ø	Shaft Size	Wheel Diameter	Roof Opening	
ALX135-DB	25.25	31.25	21.00	24.75	3.13	2.00	3.75	0.44	3/4"	13.50	17.00	41 lbs
ALX150-DB	26.13	31.25	21.00	24.75	3.75	2.00	3.75	0.44	3/4"	15.00	17.00	43 lbs
ALX165-DB	31.13	36.25	24.75	28.00	5.00	2.00	4.00	0.44	3/4"	16.50	20.75	106 lbs
ALX180-DB	31.75	36.25	28.00	24.75	5.50	2.00	4.00	0.44	3/4"	18.25	20.75	114 lbs
ALX210-DB	36.25	43.75	33.13	40.00	5.25	2.50	4.00	0.44	1"	21.00	29.00	176 lbs
ALX245-DB	37.00	43.75	33.13	40.00	5.88	2.50	4.00	0.44	1"	24.50	29.00	181 lbs
ALX300-DB	40.00	52.82	40.00	-	-	2.00	-	-	1 3/16"	30	36.00	380 lbs
ALX360-DB	45.56	63.31	44	-	-	2	-	-	1 3/16"	36	40	470 lbs

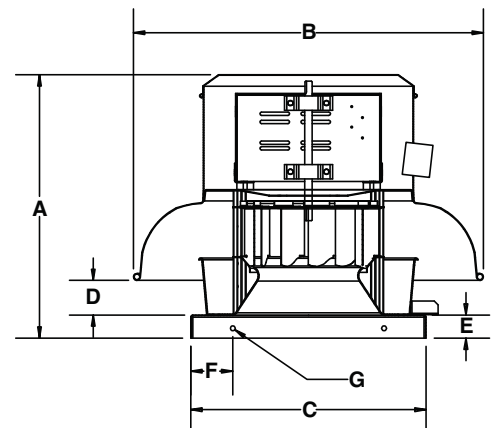
Note: Net weights for belt drive units do not include motor & drives.



Canarm certifies that the ALX-DB Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.

OPTIONS & ACCESSORIES

- Motorized damper
- Gravity (automatic) damper
- Wall mount bracket (for all sizes up to 24")
- Roof curb
- Disconnect switch
- Hinge kits
- VFD for 3 phase motors
- Other curb caps options available. See C2 in dimensions table.





ALX-DB SERIES - DOWNBLAST BELT DRIVE SPUN ALUMINUM EXHAUSTERS

PERFORMANCE SPECIFICATIONS

ALX DB WITH MOTORS & DRIVES and wired disconnect

Single	Three Phase	RPM Range	HP	RPM	Values @ 0.5" SP										
					BHP	Sones	0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5
ALX135DBT10025**		862-1293	1/4	1091	0.16	9.6	1146	1080	978	876	750	-	-	-	-
ALX135DBT10033**		932-1398	1/3	1255	0.24	12.9	1320	1264	1181	1099	1000	745	-	-	-
ALX135DBT10050**		1121 - 1552	1/2	1441	0.35	16.3	1500	1457	1393	1334	1250	1111	848	-	-
ALX150DBT10050**		932-1398	1/3	1185	0.34	16.6	1750	1708	1612	1513	1400	1143	-	-	-
ALX150DBT10075**		1078-1617	3/4	1401	0.54	23	2090	2011	1956	1880	1800	1619	1419	1090	-
ALX150DBT10100	ALX150DBT30100*	1340-1820	1	1515	0.68	26	2264	2216	2152	2070	2000	1834	1643	1438	1118
ALX165DBT10100	ALX165DBT30100*	1097-1489	1	1249	0.61	21	2600	2611	2509	2407	2300	2089	1828	1427	-
ALX165DBT10150	ALX165DBT30150*	1254-1646	1 1/2	1455	0.94	26	3100	3076	2993	2898	2800	2630	2427	2204	1980
ALX180DBT10100	ALX180DBT30100*	980-1293	1	1111	0.8	21	3575	3479	3320	3168	3000	2627	2174	-	-
ALX180DBT10200	ALX180DBT30200*	1097-1489	2	1242	1.11	27	3970	3885	3765	3646	3500	3200	3850	2452	1880
ALX210DBT10150	ALX210DBT30150*	862-1132	1 1/2	977	1.04	19.3	4500	4394	4214	4022	3800	3306	2704	-	-
ALX245DBT10150	ALX245DBT30150*	673-889	1 1/2	800	1.08	19.4	5325	5120	4815	4548	4200	3440	2300	-	-
ALX245DBT10200	ALX245DBT30200*	745-979	2	871	1.4	23	5808	5642	5362	5120	4800	4166	3338	-	-
ALX245DBT10300	ALX245DBT30300*	862-1132	3	973	1.94	27	6480	6304	6088	5846	5600	5057	4459	3700	2580

** 115V only. All other motors will be wired at high voltage.

For three phase motors, substitute "" with "M" for 230/460 volt (wired for 460V) or "P" for 575 volt

UL705 = 1Ø Only

ALX DB WITHOUT MOTORS & DRIVES

	MODEL	MIN HP	MAX HP	MAX RPM	TYPICAL MAXIMUM CFM @ SP								
					0"	0.25"	0.5"	0.75"	1"	1.25"	1.5"	2"	2.25"
Use Delair to price with motors and drives	ALX135-DB	1/4	3/4	1800	1900	1800	1700	1500	1300	1300	1100	-	-
	ALX150-DB	1/4	1	1800	2600	2500	2300	2200	2000	1800	1600	1200	600
	ALX165-DB	1/4	2	1800	3800	3700	3600	3400	3300	3100	3000	2600	2400
	ALX180-DB	1/4	2	1500	4800	4600	4400	4200	3800	3600	3400	2600	800
	ALX210-DB	1/2	3	1300	6000	5700	5500	5200	4900	4500	4100	2900	1800
	ALX245-DB	1/2	3	1200	7500	7100	6700	6300	5800	5300	4800	3700	3200
	ALX300-DB	3/4	5	860	13500	13250	13000	12250	11500	11000	10250	8500	7500
	ALX360-DB	3/4	10	800	23250	22500	22000	21250	20500	19000	18250	16000	-

Consult our Delair fan selection software for fan curves and performance data.
Download Delair at www.canarm.com/delair

SBRM SERIES - BELT DRIVE UPBLAST SPUN ALUMINUM EXHAUSTERS



Canarm certifies that the SBRM Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP					
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP
SBRM-13	2050	1600	--	--	
SBRM-15	3400	2950	2400	--	
SBRM-18	5000	4600	4200	3600	
SBRM-24	9000	8500	7500	6500	5500
SBRM-30	12500	11500	10500	9000	7500

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

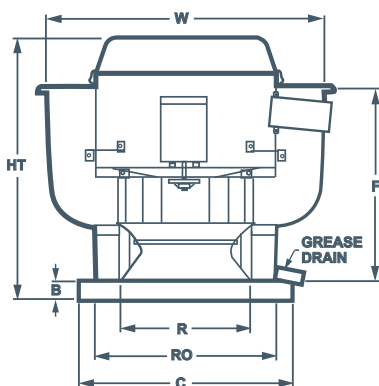
FEATURES

- Heavy duty construction, durable and weather resistant.
- Non-overloading backward inclined wheels, blades and inlets fabricated from 3003-H14 aluminum.
- Wall mount applications; units up to 24" nominal wheel can be wall mounted.
- External disconnect switch box (standard). (Switch sold separately.)
- Quick release latches for easy access to motor.
- Optional grease collection box.
- ETL listed for compliance with UL 705 and UL762 standards.



EXTERNAL DISCONNECT SWITCH BOX

DIMENSIONS



MODEL	WHEEL DIAMETER	HT	W	B	C	F	R	RO	SHAFT DIAMETER	MINIMUM MOTOR HP	MAXIMUM MOTOR HP	UNIT WEIGHT (LBS)	
												Without motor & drives	With motor & drives
SBRM-13	13 3/4"	27 1/4"	30 1/4"	2"	21"	21 1/2"	13 1/4"	16"	3/4"	1/4	1/2	60	120
SBRM-15	15 3/4"	30 1/2"	33 3/4"	2"	24 3/4"	23"	14 7/8"	20"	3/4"	1/4	1	80	140
SBRM-18	18 3/4"	33 3/4"	39 3/8"	2"	28"	22 5/8"	16 1/2"	24"	1"	1/4	2 *	105	190
SBRM-24	24"	37 1/2"	43 3/8"	2"	33"	30 5/8"	23 7/8"	28"	1"	1/2	5 *	160	270
SBRM-30	30"	40"	52 3/4"	2"	40"	33 1/2"	24"	36"	1 3/16"	1/2	5	195	410

* Motor adaptor plate required for 3HP+

OPTIONS

- Gravity damper (UL 705 only)
- Motorized damper (UL 705 only)
- Wall mount sleeve.
- Roof curb (vented & non-vented).
- Grease collection box.
- Bird screen (UL 705 only)
- Base hinging kit or hinged sub-base (for NFPA96 compliance)
- Disconnect switch

RELATED MODELS



SDUB
Direct Drive Upblast Spun Aluminum Exhauster



SB
Belt Drive Downblast Spun Aluminum Exhauster



SD
Direct Drive Downblast Spun Aluminum Exhauster

SDUB SERIES - DIRECT DRIVE UPBLAST SPUN ALUMINUM EXHAUSTERS



Canarm certifies that the SDUB Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP				
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP
SDUB-10	340	--	--	--
SDUB-12	450	75	--	--
SDUB-30	1150	850	300	--
SDUB-33	1100	750	--	--
SDUB-50	1750	1500	1100	--
SDUB-85	3100	2700	2200	1600

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

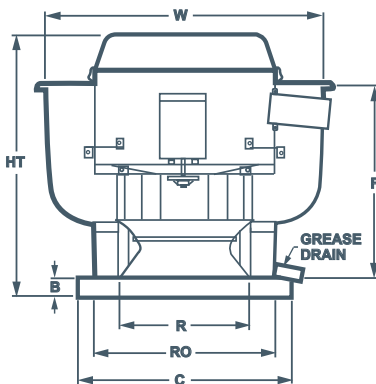
FEATURES

- Heavy duty construction, durable and weather resistant.
- Non-overloading backward inclined wheels, blades and inlets fabricated from 3003-H14 aluminum.
- Wall mount applications (all units)
- Variable speed motor control (single phase only).
- External disconnect switch - standard.
- Quick release latches for easy motor access.
- Optional grease collection box.
- ETL listed for compliance with UL 705 & UL 762 standards.



EXTERNAL DISCONNECT SWITCH BOX

DIMENSIONS



MODEL	WHEEL DIAMETER	HT	W	B	C	F	R	RO	MOTOR HP (115V)	UNIT WEIGHT (LBS)
SDUB-10	9"	14 1/2"	17 3/4"	2"	19"	9 1/2"	8 1/8"	15 1/2"	1/12	40
SDUB-12	10 1/2"	18"	22"	2"	19"	14 1/2"	10 5/8"	15 1/2"	1/7	40
SDUB-30	11 3/4"	24 3/4"	25 1/2"	2"	21"	18 1/2"	12 1/8"	17 1/2"	1/4	50
SDUB-33	11 3/4"	24 3/4"	25 1/2"	2"	21"	18 1/2"	12 1/8"	17 1/2"	1/3	50
SDUB-50	13 3/4"	26 3/4"	28 7/8"	2"	21"	21 1/2"	13 1/4"	17 1/2"	1/2	55
SDUB-85	15 3/4"	30 1/2"	31 7/8"	2"	24 3/4"	23"	14 7/8"	21"	3/4	60

OPTIONS

- Gravity damper (UL 705 only)
- Motorized damper (UL 705 only)
- Wall mount sleeve.
- Roof curb (vented & non-vented).
- Grease collection box.
- Bird screen (UL 705 only)
- Base hinging kit or hinged sub-base (for NFPA96 compliance)

RELATED MODELS



SBRM
Belt Drive Upblast Spun Aluminum Exhauster



SB
Belt Drive Downblast Spun Aluminum Exhauster



SD
Direct Drive Downblast Spun Aluminum Exhauster

SB SERIES - BELT DRIVE DOWNBLAST SPUN ALUMINUM EXHAUSTERS



Canarm certifies that the SB Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP					
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP
SB-13	2050	1600	--	--	--
SB-15	3400	2950	2400	--	--
SB-18	5000	4600	4200	3600	--
SB-24	9000	8500	7500	6500	5500
SB-30	12500	11500	10500	9000	7500

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

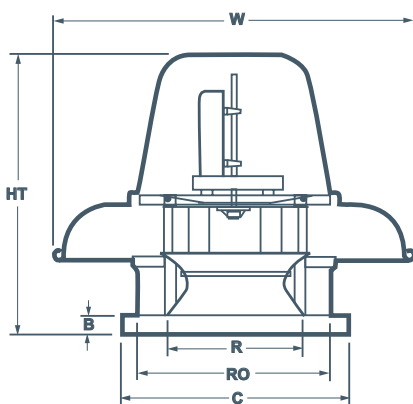
FEATURES

- Spun aluminum housing for dust-free, weather resistant durability.
- Non-overloading backward inclined wheels, blades and inlets fabricated from 3003-H14 aluminum.
- Wall mount applications; units up to 24" nominal wheel can be wall mounted.
- Standard bird screen.
- Disconnect switch box. (Switch sold separately.)
- Quick release latches for easy access to motor.



QUICK RELEASE LATCH FOR EASY MOTOR ACCESS

DIMENSIONS



MODEL	WHEEL DIAMETER	HT	W	B	C	R	RO	SHAFT DIAMETER	MINIMUM MOTOR HP	MAXIMUM MOTOR HP	UNIT WEIGHT (LBS)	
											Without motor & drives	With motor & drives
SB-13	13 3/4"	27 1/4"	29 5/8"	2"	21"	13 1/4"	16"	3/4"	1/4	1/2	40	105
SB-15	15 3/4"	30 5/8"	33 1/4"	2"	24 3/4"	14 7/8"	20"	3/4"	1/4	1	65	130
SB-18	18 3/4"	32 3/4"	38 1/4"	2"	28"	16 1/2"	24"	1"	1/4	2	90	190
SB-24	24 3/4"	37 3/4"	42 1/2"	2"	33"	23 7/8"	28"	1"	1/2	5	135	215
SB-30	30 3/4"	40"	52"	2"	40"	24"	36"	1 3/16"	1/2	5 *	175	380

* Motor adaptor plate required for 3HP+

OPTIONS

- Gravity damper.
- Motorized damper.
- Wall mount sleeve.
- Roof curb.
- Disconnect switch.

RELATED MODELS



SBRM
Belt Drive Upblast Spun Aluminum Exhauster



SDUB
Direct Drive Upblast Spun Aluminum Exhauster



SD
Direct Drive Downblast Spun Aluminum Exhauster

SD SERIES - DIRECT DRIVE DOWNBLAST SPUN ALUMINUM EXHAUSTERS



Canarm certifies that the SD Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



PERFORMANCE SPECIFICATIONS

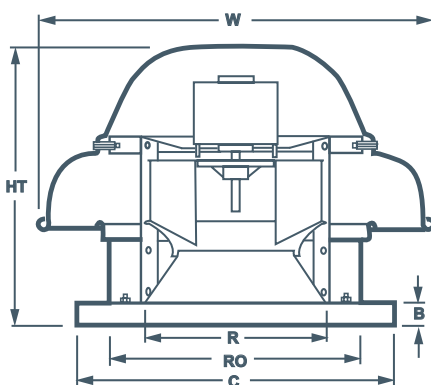
TYPICAL MAXIMUM CFM @ SP					
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP
SD-10	300	--	--	--	--
SD-12	450	75	--	--	--
SD-30	1150	850	300	--	--
SD-33	1100	750	--	--	--
SD-50	1750	1500	1100	--	--
SD-85	3100	2700	2200	1600	--

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

FEATURES

- Spun aluminum housing for dust-free, weather resistant durability
- Non-overloading backward inclined wheels, blades and inlets fabricated from 3003-H14 aluminum.
- All sizes can be wall mounted.
- Variable speed motor control with "off" setting
- Standard bird screen.
- Disconnect switch.

DIMENSIONS



MODEL	WHEEL DIAMETER	HT	W	B	C	R	RO	MOTOR HP (115V)	UNIT WEIGHT (LBS)
SD-10	9"	14 1/2"	20 3/4"	2"	19"	8 1/8"	13"	1/12	30
SD-12	10 1/2"	16 1/4"	23 3/4"	2"	19"	10 5/8"	13"	1/7	35
SD-30	11 3/4"	19 1/8"	26 1/4"	2"	21"	12 1/8"	16"	1/4	45
SD-33	11 3/4"	19 1/8"	26 1/4"	2"	21"	12 1/8"	16"	1/3	45
SD-50	13 3/4"	21 3/4"	29 3/4"	2"	21"	13 1/4"	16"	1/2	50
SD-85	15 3/4"	23 3/8"	33 1/4"	2"	24 3/4"	14 7/8"	20"	3/4	60

OPTIONS

- Gravity damper.
- Motorized damper.
- Wall mount sleeve.
- Roof curb.

RELATED MODELS



SBRM
Belt Drive Upblast Spun Aluminum Exhauster



SDUB
Direct Drive Upblast Spun Aluminum Exhauster



SB
Belt Drive Downblast Spun Aluminum Exhauster



SDS SERIES - ECONOMY MAKE UP AIR UNITS

For use anywhere that fresh air is needed to replace exhaust air, commercial kitchens, office buildings, bakeries, laundries, factories, warehouses, foundries, locker rooms, etc.

PERFORMANCE SPECIFICATIONS

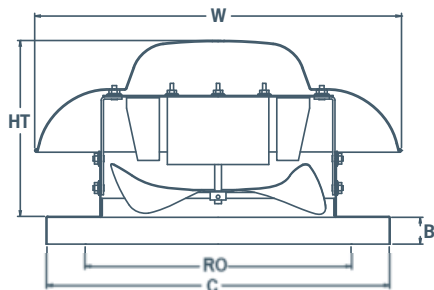
MODEL	HP	RPM	TS	STATIC PRESSURE IN INCHES W.G.				
				0.000	0.125	0.250	0.375	0.500
SDS-14	1/6	1100	4030	1450	1174	904	670	439
SDS-18	1/3	1100	5180	2460	2220	1980	1639	1300

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

FEATURES

- Emergency disconnect switch.
- Spun aluminum housing for rust free weather resistant durability.
- Propellers constructed with die formed blades riveted to a steel hub.
- Can be roof or wall mounted.
- Standard bird screen.
- Wire conduit to provide a clear channel for electrical connections.

DIMENSIONS



FAN MODEL	HT	W	B	C	RO	WEIGHT (LBS)
SDS-14	12 5/8"	27 5/16"	2"	21"	16	45
SDS-18	14 3/8"	33 9/16"	2"	26"	20	67

OPTIONS

- Motorized backdraft damper.
- Hinged fan
- Wall mount sleeve



EMUA SERIES - ECONOMY MAKE UP AIR UNITS

This economy make-up air unit is a non-motorized gravity vent. It is an economical choice when a fresh air intake or pressure relief is needed.

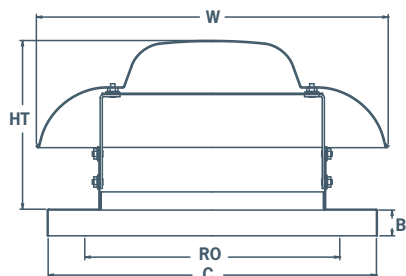
PERFORMANCE SPECIFICATIONS

MODEL	SIZE	CFM AGAINST STATIC RESISTANCE
EMUA-12	12" WHEEL	1000
EMUA-14	14" WHEEL	1475
EMUA-18	18" WHEEL	2400

* Approximate CFM against static resistance is based on throat area velocity of approximately 1200 fpm.

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

DIMENSIONS



FAN MODEL	HT	W	B	C	RO	WEIGHT (LBS)
EMUA-12	9 3/4"	20 5/16"	2"	19"	13	21
EMUA-14	12 5/8"	27 5/16"	2"	21"	16	33
EMUA-18	14 3/8"	33 9/16"	2"	26"	20	51

OPTIONS

- Motorized backdraft damper.
- Hinged fan
- Wall mount sleeve



RTA-SH - SMOKE & HEAT REMOVAL BELT DRIVE ROOF EXHAUSTERS

Belt drive, heavy duty construction ideal for industrial & commercial applications.

RTA-SH model suitable for normal use in clean, dry air with a maximum ambient temperature of 93° C (200° F).

RTA-SH is designed to exhaust smoke in the event of a fire. It is in compliance with smoke control systems requirements of 500°F for 4 hours and 1000°F for 15 minutes. Two spring loaded arms are released when temperatures reach above 165°F to force open the dampers.

SPECIFICATIONS

To order RWTA models, replace "RTA" with "RWTA" in the table below.

BLADE DIAMETER	MODEL #		FAN RPM	H.P.	0" S.P.		1/4" S.P.		1/2" S.P.		3/4" S.P.		1" S.P.		Min. CFM	dBA @ 10Ft.
	SINGLE PHASE	THREE PHASE			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP		
42"	RTA42SHT10200	RTA42SHT30200*	770	2	19920	1.65	15080	1.80	-	-	-	-	-	-	14000	61
	RTA42SHT10300	RTA42SHT30300*	895	3	22840	2.60	19620	2.80	14940	2.9	-	-	-	-	14000	65
	RTA42SHT10500	RTA42SHT30500*	1005	5	25980	3.66	23230	3.89	19980	4.01	-	-	-	-	14000	67
	RTA42SHT10750	RTA42SHT30750*	1205	7.5	31520	6.26	29530	6.54	27040	6.78	24230	6.89	20270	7.07	14000	72
	RTA42SHT11000	RTA42SHT31000*	1335	10	35170	8.49	33410	8.76	31270	9.08	29020	9.32	26230	9.39	14000	75
48"	RTA48SHT10300	RTA48SHT30300*	745	3	24330	2.55	20510	2.76	-	-	-	-	-	-	18000	63
	RTA48SHT10500	RTA48SHT30500*	885	5	29440	4.10	26370	4.46	22380	4.72	-	-	-	-	18000	67
	RTA48SHT10750	RTA48SHT30750*	1005	7.5	33850	5.93	31080	6.47	28330	6.81	24740	6.96	-	-	18000	71
	RTA48SHT11000	RTA48SHT31000*	1105	10	37270	7.89	34760	8.54	32520	8.99	29760	9.11	26140	9.29	18000	73
	--	RTA48SHT31500*	1265	15	42900	11.70	40860	12.30	38790	13.13	36270	13.54	34290	13.66	18000	76
54"	RTA54SHT10500	RTA54SHT30500*	710	5	37130	4.26	31680	4.67	-	-	-	-	-	-	23000	68
	RTA54SHT10750	RTA54SHT30750*	810	7.5	42890	6.20	38660	6.85	33210	6.99	25390	6.87	-	-	23000	71
	RTA54SHT11000	RTA54SHT31000*	905	10	48450	8.54	44640	9.41	40140	9.73	34980	9.78	27220	9.53	23000	74
	--	RTA54SHT31500*	1025	15	55520	12.10	52110	12.92	48280	13.81	44310	14.17	39660	14.22	23000	78

FEATURES

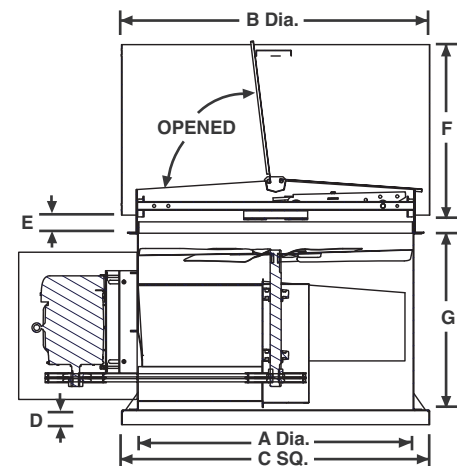
- TEFC, ball bearing motor is out of air stream and is accessible from the roof
- Galvanized steel wind-band and rain-proof butterfly dampers.
- Heavy duty pulleys and belts out of air stream

HIGH HEAT FEATURES

- Heavy gauge steel prop
- High heat cast iron pillow block bearings (out of air stream), complete with external grease fittings
- 500° F for 4 hours and 1000° F for 15 minutes
- Arms rated for snow load of 10 lbs/ft²

DIMENSIONS

MODEL #	A Dia.	B Dia.	C Sq.	D	E	F	G
RTA-SH42	42 3/8"	48 5/8"	48"	2 1/2"	2	27	27
RTA-SH48	48 1/2"	54 5/8"	54"	2 1/2"	2	30	31
RTA-SH54	54 1/2"	60 5/8"	60"	2 1/2"	2	36	40



Roof Exhausters are non-stock items and are non-cancelable and non-refundable without prior authorization.

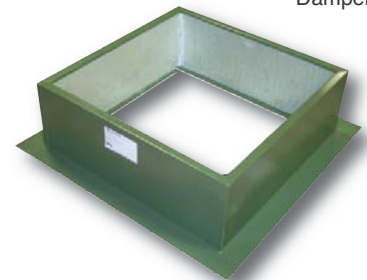
For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
BHP does not include drive losses
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

ACCESSORIES

RC ROOF CURB

- For Canarm Roof Exhaust fans.
- Sturdy powder coated, 16 gauge steel.
- 3" flanges
- 1" SM insulation
- Damper shelf

FAN SIZE	MODEL NUMBER
42"	RC42
48"	RC48
54"	RC54



DISCONNECT SWITCHES

- Wire disconnect switches are available. See Controls & Thermostats section for details.



RTA - BELT DRIVE ROOF EXHAUSTERS

Belt drive, heavy duty construction ideal for industrial & commercial applications.

SPECIFICATIONS To order RWTA models, replace "RTA" with "RWTA" in the table below.

BLADE DIAMETER	MODEL #		FAN RPM	H.P.	0" S.P.		1/4" S.P.		1/2" S.P.		3/4" S.P.		1" S.P.		Min. CFM	dBA @ 10ft.
	SINGLE PHASE	THREE PHASE			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP		
18"	RTA18T10050	RTA18T30050*	1556	1/2	3930	0.40	3540	0.45	2830	0.49	-	-	-	-	2600	59
	RTA18T10075	RTA18T30075*	1785	3/4	4530	0.58	4210	0.65	3780	0.73	-	-	-	-	2600	62
	RTA18T10100	RTA18T30100*	1920	1	4890	0.72	4610	0.79	4250	0.86	3680	0.94	-	-	2600	64
	RTA18T10150	RTA18T30150*	2255	1.5	5790	1.15	5550	1.23	5300	1.76	4990	1.40	4530	1.49	2600	68
	RTA18T10200	RTA18T30200*	2510	2	6490	1.59	6280	1.68	6030	1.76	5960	1.86	5510	1.96	2600	72
24"	RTA24T10075	RTA24T30075*	1180	3/4	6325	0.64	5360	0.70	-	-	-	-	-	-	4700	58
	RTA24T10100	RTA24T30100*	1295	1	7020	0.84	6180	0.91	5020	0.96	-	-	-	-	4700	61
	RTA24T10150	RTA24T30150*	1475	1.5	8090	1.22	7390	1.32	6550	1.38	5380	1.42	-	-	4700	65
	RTA24T10200	RTA24T30200*	1620	2	8960	1.60	8330	1.71	7620	1.79	6740	1.86	5460	1.88	4700	67
	RTA24T10300	RTA24T30300*	1890	3	10670	2.49	10060	2.63	9460	2.79	8910	2.84	8240	2.94	4700	72
30"	RTA30T10100	RTA30T30100*	965	1	10050	0.86	8100	0.92	-	-	-	-	-	-	7300	59
	RTA30T10150	RTA30T30150*	1095	1.5	11650	1.26	10130	1.34	7860	1.37	-	-	-	-	7300	62
	RTA30T10200	RTA30T30200*	1225	2	13170	1.74	11930	1.85	10210	1.92	-	-	-	-	7300	65
	RTA30T10300	RTA30T30300*	1380	3	14910	2.48	13930	2.60	12620	2.69	10980	2.74	8240	2.74	7300	67
	RTA30T10500	RTA30T30500*	1635	5	17850	4.08	17160	4.25	16100	4.38	14960	4.48	13570	4.58	7300	72
36"	RTA36T10200	RTA36T30200*	910	2	16650	1.80	13980	1.86	-	-	-	-	-	-	10000	63
	RTA36T10300	RTA36T30300*	1045	3	19220	2.72	17550	2.80	14440	2.8	-	-	-	-	10000	66
	RTA36T10500	RTA36T30500*	1245	5	23610	4.56	21780	4.68	19870	4.75	17380	4.75	12980	4.68	10000	71
	RTA36T10750	RTA36T30750*	1425	7.5	27110	6.81	25790	6.95	22410	7.09	22260	7.13	20080	7.13	10000	75
	RTA42T10200	RTA42T30200*	770	2	19920	1.65	15080	1.80	-	-	-	-	-	-	14000	61
42"	RTA42T10300	RTA42T30300*	895	3	22840	2.60	19620	2.80	14940	2.9	-	-	-	-	14000	65
	RTA42T10500	RTA42T30500*	1005	5	25980	3.66	23230	3.89	19980	4.01	-	-	-	-	14000	67
	RTA42T10750	RTA42T30750*	1205	7.5	31520	6.26	29530	6.54	27040	6.78	24230	6.89	20270	7.07	14000	72
	RTA42T11000	RTA42T31000*	1335	10	35170	8.49	33410	8.76	31270	9.08	29020	9.32	26230	9.39	14000	75
	RTA48T10300	RTA48T30300*	745	3	24330	2.55	20510	2.76	-	-	-	-	-	-	18000	63
48"	RTA48T10500	RTA48T30500*	885	5	29440	4.10	26370	4.46	22380	4.72	-	-	-	-	18000	67
	RTA48T10750	RTA48T30750*	1005	7.5	33850	5.93	31080	6.47	28330	6.81	24740	6.96	-	-	18000	71
	RTA48T11000	RTA48T31000*	1105	10	37270	7.89	34760	8.54	32520	8.99	29760	9.11	26140	9.29	18000	73
	--	RTA48T31500*	1265	15	42900	11.70	40860	12.30	38790	13.13	36270	13.54	34290	13.66	18000	76
	RTA54T10500	RTA54T30500*	710	5	37130	4.26	31680	4.67	-	-	-	-	-	-	23000	68
54"	RTA54T10750	RTA54T30750*	810	7.5	42890	6.20	38660	6.85	33210	6.99	25390	6.87	-	-	23000	71
	RTA54T11000	RTA54T31000*	905	10	48450	8.54	44640	9.41	40140	9.73	34980	9.78	27220	9.53	23000	74
	--	RTA54T31500*	1025	15	55520	12.10	52110	12.92	48280	13.81	44310	14.17	39660	14.22	23000	78
	RTA60T10750	RTA60T30750*	690	7.5	51240	6.45	45760	7.18	35770	7.09	-	-	-	-	29000	68
	RTA60T11000	RTA60T31000*	755	10	56770	8.48	51490	9.21	40470	9.43	31650	8.72	-	-	29000	70
60"	--	RTA60T31500*	870	15	66320	12.52	61710	13.80	56720	14.43	49520	14.34	38320	13.51	29000	74
	--	RTA60T32000*	955	20	73090	16.62	68880	17.70	65690	18.78	59270	18.80	52250	18.83	29000	76



RTA model suitable for use in clean, dry air with a maximum ambient temperature of 93° C (200° F).
 RWTA models are suitable for use in moisture laden air with a maximum ambient temperature of 93° C (200° F).
 RWTA models feature a Teflon shaft seal, poly housing bearings and stainless steel insert.

FEATURES

- TEFC, ball bearing motor is out of air stream and is accessible from the roof, maximum ambient temperature of 40° C (104° F).
- Galvanized steel wind-band and rain-proof butterfly dampers.
- Cast iron pillow block bearings (out of air stream), complete with external grease fittings.
- Cast aluminum blades on 12" to 48" sizes.
- Polypropylene blades reinforced with fiberglass on 54" to 60" size
- Heavy duty pulleys and belts out of air stream

DIMENSIONS

MODEL #	A Dia.	B Dia.	C Sq.	D	E	F	G
RTA18	18 3/8"	24 5/8"	24"	2 1/2"	2	17	18
RTA24	24 3/8"	30 5/8"	30"	2 1/2"	2	19	21
RTA30	30 3/8"	36 5/8"	36"	2 1/2"	2	23	21
RTA36	36 3/8"	42 5/8"	42"	2 1/2"	2	25	27
RTA42	42 3/8"	48 5/8"	48"	2 1/2"	2	27	27
RTA48	48 1/2"	54 5/8"	54"	2 1/2"	2	30	31
RTA54	54 1/2"	60 5/8"	60"	2 1/2"	2	36	40
RTA60	60 1/2"	66 5/8"	68"	2 1/2"	2	36	40

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt

BHP does not include drive losses

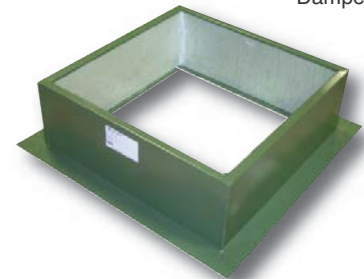
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

ACCESSORIES

RC ROOF CURB

- For Canarm Roof Exhaust fans.
- Sturdy powder coated, 16 gauge steel.
- 3" flanges
- 1" SM insulation
- Damper shelf

FAN SIZE	MODEL NUMBER
18"	RC18
24"	RC24
30"	RC30
36"	RC36
42"	RC42
48"	RC48
54"	RC54
60"	RC60



DISCONNECT SWITCHES

- Wire disconnect switches are available.
- See Controls & Thermostats section for details.

Note
 Roof Exhausters are non-stock items and are non-cancelable and non-refundable without prior authorization.



RD - DIRECT DRIVE ROOF EXHAUSTERS

Sturdily constructed - ideal for industrial and commercial applications.

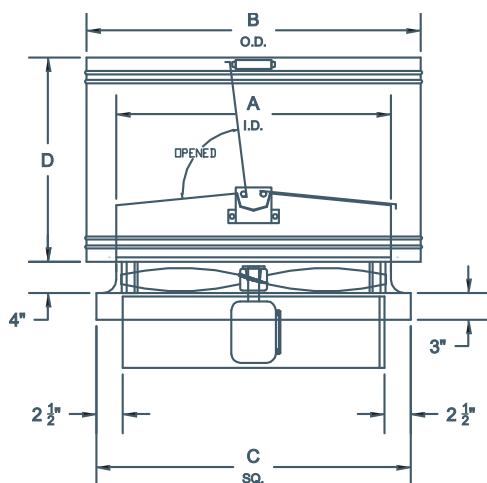


FEATURES

- Heavy duty galvanized blades.
- Galvanized steel wind-band and rain-proof butterfly dampers that rotate easily on brass bushings.
- TEFC, ball bearing motor is in the air stream, within the building, maximum ambient temperature of 40°C (104°F).
- Not recommended for dirty or dust laden applications.

DIMENSIONS

MODEL #	A I.D.	B O.D.	C SQ.	D
RD24	25"	31 1/2"	29 1/2"	19"
RD30	31"	37 1/2"	35 1/2"	22"
RD36	37"	43 1/2"	41 1/2"	25"
RD42	43"	49 1/2"	47 1/2"	27"
RD48	49"	55 1/2"	53 1/2"	30"



SPECIFICATIONS

BLADE DIAMETER	MODEL #		FAN RPM	H.P.	0" S.P.		1/8" S.P.		1/4" S.P.		3/8" S.P.		Min. CFM	dBA @ 10Ft.
	SINGLE PHASE	THREE PHASE			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP		
	24"	RD24T10075C	RD24T30075C*	1140	3/4	6549	0.74	6017	0.78	5527	0.83	-	-	4700
24"	RD24T10100B	RD24T30100B*	1725	1	6761	0.89	6453	0.93	6128	1.00	5792	1.09	4700	81
	RD24T10300B	RD24T30300B*	1725	3	9909	2.57	9558	2.62	9207	2.68	8886	2.75	4700	84
30"	--	RD30T30150C*	1140	1.5	11600	1.31	10925	1.40	10193	1.49	9127	1.59	7300	79
	RD30T10500B	RD30T30500B*	1725	5	17552	4.53	17106	4.66	16661	4.80	16215	4.94	7300	90
36"	--	RD36T30200D*	860	2	16364	1.87	15172	1.99	13864	2.08	11597	2.15	10000	80
	--	RD36T30500C*	1140	5	21692	4.35	20793	4.52	19893	4.69	18903	4.80	10000	88
42"	--	RD42T30500C*	1140	5	23209	3.04	22619	3.29	21962	3.52	21019	3.70	14000	85
	--	RD42T30750C*	1140	7.5	32476	7.70	31490	7.70	30518	7.76	29586	8.02	14000	88
48"	--	RD48T30750D*	860	7.5	35654	5.93	33411	6.06	31857	6.34	30219	6.62	18000	89
	--	RD48T30750C*	1140	7.5	32564	4.95	31677	5.35	30688	5.68	29636	5.99	18000	92

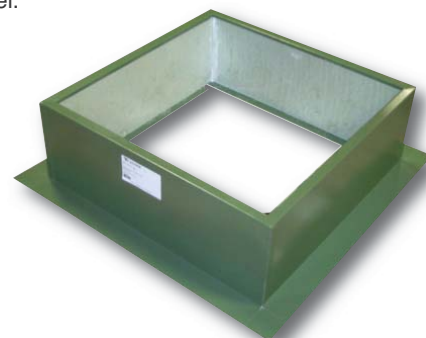
For three phase motors, substitute "*" with "M" for 208-230/460 volt or "P" for 575 volt
 BHP does not include drive losses
 dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

ACCESSORIES

RC ROOF CURB

- For Canarm Roof Exhaust fans.
- Sturdy powder coated, 16 gauge steel.
- 3" flanges
- 1" SM insulation
- Damper shelf

FAN SIZE	MODEL NUMBER
18"	RC18
24"	RC24
30"	RC30
36"	RC36
42"	RC42
48"	RC48
54"	RC54
60"	RC60



DISCONNECT SWITCHES

- Wire disconnect switches are available.
 See Controls & Thermostats section for details.



Roof Exhausters are non-stock items and are non-cancelable and non-refundable without prior authorization.

RB - BELT DRIVE ROOF EXHAUSTERS

Sturdily constructed belt drive roof exhausters ideal for industrial and commercial applications.

SPECIFICATIONS

BLADE DIAMETER	MODEL #		FAN RPM	H.P.	0" SP		1/8" SP		1/4" SP		3/8" SP		MIN. CFM	Dba @ 5 Ft.
	SINGLE PHASE	THREE PHASE			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP		
24"	RB24T10075	RB24T30075*	1090	3/4	6261	0.65	5706	0.68	5135	0.73	-	-	4700	72
	RB24T10100	RB24T30100*	1190	1	6836	0.84	6327	0.88	5893	0.93	5035	0.97	4700	74
	RB24T10150	RB24T30150*	1370	1.5	7870	1.29	7428	1.33	7018	1.38	6565	1.44	4700	78
	RB24T10200	RB24T30200*	1510	2	8674	1.72	8273	1.77	7876	1.82	7549	1.89	4700	81
30"	RB30T10075	RB30T30075*	875	3/4	8903	0.59	8019	0.66	-	-	-	-	7300	71
	RB30T10100	RB30T30100*	965	1	9819	0.79	9022	0.87	7951	0.96	-	-	7300	73
	RB30T10150	RB30T30150*	1005	1.5	11244	1.19	10548	1.28	9775	1.37	8605	1.47	7300	78
	RB30T10200	RB30T30200*	1220	2	12414	1.60	11783	1.70	11136	1.80	10285	1.91	7300	82
36"	RB30T10300	RB30T30300*	1405	3	14296	2.45	13749	2.56	13201	2.67	12588	2.79	7300	85
	RB36T10100	RB36T30100*	660	1	12559	0.84	10953	0.93	-	-	-	-	10000	72
	RB36T10150	RB36T30150*	750	1.5	14271	1.24	12898	1.35	11091	1.41	-	-	10000	75
	RB36T10200	RB36T30200*	835	2	15888	1.71	14661	1.84	13302	1.91	10747	1.97	10000	78
42"	RB36T10300	RB36T30300*	940	3	17886	2.44	16796	2.58	15636	2.69	14293	2.76	10000	83
	RB42T10200	RB42T30200*	685	2	19514	1.67	17906	1.73	16111	1.89	13318	1.97	14000	78
	RB42T10300	RB42T30300*	780	3	22220	2.47	20794	2.50	19341	2.68	17561	2.87	14000	83
	RB42T10500	RB42T30500*	925	5	26351	4.11	25136	4.11	23977	4.29	22681	4.51	14000	88
48"	RB42T10750	RB42T30750*	1080	7.5	30767	6.55	29726	6.55	28710	6.65	27726	6.89	14000	91
	RB48T10200	RB48T30200*	565	2	23424	1.68	20606	1.82	-	-	-	-	18000	77
	RB48T10300	RB48T30300*	640	3	26533	2.45	23933	2.59	21489	2.80	18256	2.97	18000	
	RB48T10500	RB48T30500*	745	5	30886	3.86	28495	4.00	26703	4.24	24279	4.48	18000	86
54"	RB48T10750	RB48T30750*	870	7.5	36068	6.14	33835	6.27	32299	6.55	30723	6.83	18000	90
	RB54T10300	RB54T30300*	530	3	30080	2.46	27332	2.58	24060	2.82	-	-	23000	79
	RB54T10500	RB54T30500*	625	5	35472	4.03	33139	4.21	30532	4.41	27599	4.72	23000	84
	RB54T10750	RB54T30750*	720	7.5	40863	6.16	38809	6.44	36754	6.52	34382	6.84	23000	88
60"	RB54T11000	RB54T31000*	795	10	45120	8.29	43236	8.67	41484	8.67	39344	8.99	23000	91
	RB60T10500	RB60T30500*	520	5	42969	4.22	38510	4.50	34050	4.78	-	-	29000	72
	RB60T10750	RB60T30750*	595	7.5	49167	6.32	45269	6.64	41372	6.96	35070	7.02	29000	87
	RB60T11000	RB60T31000*	650	10	53172	8.24	50144	8.59	46576	8.94	43008	9.28	29000	89
	--	RB60T31500*	745	15	61562	12.41	58449	12.80	55336	13.20	52223	13.60	29000	92

For three phase motors, substitute "*" with "M" for 230/460 volt (if 208V required please specify) or "P" for 575 volt
 BHP does not include drive losses
 dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

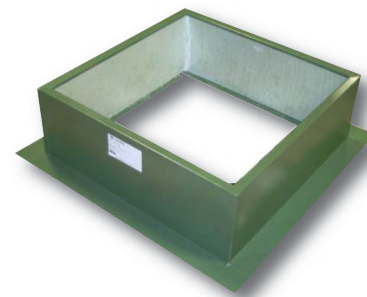
ACCESSORIES

RC ROOF CURB

- For Canarm Roof Exhaust fans.
- Sturdy powder coated, 16 gauge steel.
- 3" flanges

- 1" SM insulation
- Damper shelf

FAN SIZE	MODEL NUMBER
18"	RC18
24"	RC24
30"	RC30
36"	RC36
42"	RC42
48"	RC48
54"	RC54
60"	RC60



DISCONNECT SWITCHES

- Wire disconnect switches are available.
See Controls & Thermostats section for details.

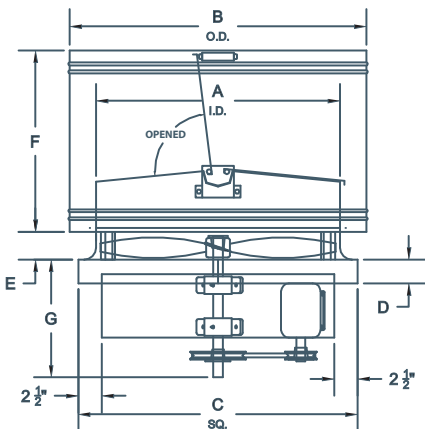


FEATURES

- TEFC, ball bearing motor, maximum ambient temperature 40° C (104° F).
- Heavy duty galvanized blades.
- Galvanized steel wind-band and rain-proof butterfly dampers that rotate easily on brass bushings.
- Cast iron pillow block bearings.
- Heavy duty pulleys and belts.
- Not recommended for dirty or dust laden applications.

DIMENSIONS

MODEL #	A Dia.	B Dia.	C Sq.	D	E	F	G (MAX.)
RB24	25"	31 1/2"	29 1/2"	3"	4"	19"	18 1/2"
RB30	31"	36 1/2"	35 1/2"	3"	4"	22"	18 1/2"
RB36	37"	43 1/2"	41 1/2"	3"	4"	25"	18 1/2"
RB42	43"	49 1/2"	47 1/2"	3"	4"	27"	18 1/2"
RB48	49"	55 1/2"	53 1/2"	3"	4"	30"	18 1/2"
RB54	55"	61 1/2"	59 1/2"	3"	4"	36"	21"
RB60	61"	70"	68"	2"	5"	42"	21"



Roof Exhausters are non-stock items and are non-cancelable and non-refundable without prior authorization.

ROOF CURBS

GALVANIZED ROOF CURBS - NON-VENTED - FOR 300, 700, SIS, ALX, SB-SBRM & SD-SDUB SERIES (Non-vented) 18" High (RCG) or 12" High (RCGL)

- RCG are 18" high
- RCGL are 12" high
- 18 gauge galvanized steel construction
- 1 3/4" flanges
- Insulated curbs available (RCGI or RCGLI)
- Shipped fully assembled



RCG ROOF CURB

Part # (Non-Insulated)	Part # (Insulated)	Curb OD Dimension sq	Curb fits Models
RCG17.5 / RCGL17.5	RCGI17.5 / RCGLI17.5	17.5"	ALX105, ALX120, SD-SDUB-10, SD-SDUB-12
RCG18.5 / RCGL18.5	RCGI18.5 / RCGLI18.5	18.5"	307
RCG19.5 / RCGL19.5	RCGI19.5 / RCGLI19.5	19.5"	ALX135, ALX150, SB-SBRM-13, SD-SDUB-30, SD-SDUB-33, SD-SDUB-50, ALX105-C2, ALX120-C2
RCG22.5 / RCGL22.5	RCGI22.5 / RCGLI22.5	22.5"	309,709,SIS-09
RCG23.25 / RCGL23.25	RCGI23.25 / RCGLI23.25	23.25"	ALX165, SB-SBRM-15, SD-SDUB-85, ALX135-C2, ALX150-C2, ALX-180-C2
RCG26.5 / RCGL26.5	RCGI26.5 / RCGLI26.5	26.5"	ALX180, SIS-10, SB-SBRM-18, ALX165-C2
RCG30.5 / RCGL30.5	RCGI30.5 / RCGLI30.5	30.5"	312,712,715, SIS-12, SIG-12, SIG-15
RCG31.5 / RCGL31.5	RCGI31.5 / RCGLI31.5	31.5"	ALX210, ALX245, SB-SBRM-24
RCG34.5 / RCGL34.5	RCGI34.5 / RCGLI34.5	34.5"	315,718,SIS-15,SIS-18
RCG38.5 / RCGL38.5	RCGI38.5 / RCGLI38.5	38.5"	318, SB-SBRM-30, ALX210-C2, ALX245-C2
RCG42.5 / RCGL42.5	RCGI42.5 / RCGLI42.5	42.5"	SIS-20

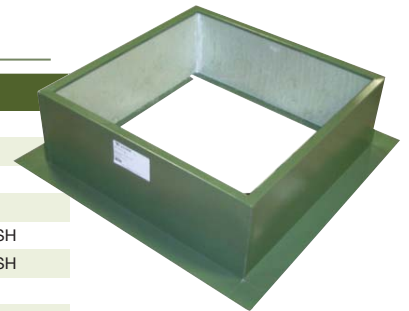
Please note Galvanized Curbs (RCG's) are for UL 705 only.
For UL762 the curb must be vented and be a minimum of 40" from roof to outlet - use RCGV curbs (below)

ROOF CURBS FOR RTA, RB OR RD

- 16 gauge galvanized or painted steel construction
- RC are insulated, painted, with 3" flanges and damper shelf
- RCG are non-insulated, galvanized, with 1 3/4" flanges
- RCGI are insulated, galvanized, with 1 3/4" flanges
- All are 10 1/4" high
- Non-vented
- Shipped fully assembled

ROOF CURBS FOR RTA, RB & RD SERIES (Non-vented) 10 1/4" High

Part # Painted	Part # Galv (Non-Insulated)	Part # Galv (Insulated)	Curb OD Dimension sq	Curb fits Models
RC18	RCG21.625	RCGI21.625	21.6"	RTA18
RC24	RCG29.125	RCGI29.125	29.1"	RTA-RB-RD24
RC30	RCG35.125	RCGI35.125	35.1"	RTA-RB-RD30
RC36	RCG41.125	RCGI41.125	41.1"	RTA-RB-RD36
RC42	RCG47.125	RCGI47.125	47.1"	RTA-RB-RD42-RTASH
RC48	RCG53.125	RCGI53.125	53.1"	RTA-RB-RD48-RTASH
RC54	RCG59.125	RCGI59.125	59.1"	RTA-RB54-RTASH
RC60	RCG67.125	RCGI67.125	67.1"	RTA-RB60



VENTED ROOF CURBS FOR ALX, SB-SBRM & SD-SDUB

- UL762 requires vents and minimum 40" from roof to outlet
- Curb height varies to meet UL762 (see table below)
- RCGV are 18" high
- RCGVL are 12" high
- RCGVH vary to meet UL762
- 18 gauge galvanized steel construction
- 1 3/4" flanges
- Non-insulated
- Shipped fully assembled



RCGV ROOF CURB

(Vented) RCGV ROOF CURBS FOR ALX, SB-SBRM & SD-SDUB SERIES

Part #	Part #	UL762 Curb Height	Curb OD Dimension sq	Curb fits Models
Vented 18" high (RCGV) Vented 12" high (RCGVL)	To meet UL762			
RCGV17.5 / RCGVL17.5	RCGVH17.5	27"	17.5"	ALX105, ALX120, SD-SDUB-10, SD-SDUB-12
RCGV19.5 / RCGVL19.5	RCGVH19.5	23"	19.5"	ALX135, ALX150, SB-SBRM-13, SD-SDUB-30, SD-SDUB-33, SD-SDUB-50, HRE-13, ALX105-C2, ALX105-C2
RCGV23.25 / RCGVL23.25	RCGV23.25	18"	23.25"	ALX165, SB-SBRM-15, SD-SDUB-85, HRE-16, ALX135-C2, ALX150-C2, ALX180-C2
RCGV26.5 / RCGVL26.5	RCGV26.5	18"	26.5"	ALX180, SB-SBRM-18, HRE-20, ALX165-C2
RCGV31.5 / RCGVL31.5	RCGV31.5	18"	31.5"	ALX210, ALX245, SB-SBRM-24, HRE-24
RCGV38.5 / RCGVL38.5	RCGV38.5	18"	38.5"	SB-SBRM-30, AXL210-C2, ALX245-C2

WALL MOUNT VENTILATION

XBL SERIES	C1
Belt Drive Wall Fans	
XB SERIES	C2
Belt Drive Wall Fans	
SXB SERIES	C3
Belt Drive Wall Supply Fans	
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Belt Drive Wall Exhaust Fans	
HVA SERIES	C5
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ALX-DB SERIES	C26-C27
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Belt Drive Upblast Spun Aluminum Exhausters	
SDUB SERIES	C29
Direct Drive Upblast Spun Aluminum Exhausters	
SB SERIES	C30
Belt Drive Downblast Spun Aluminum Exhausters	
SD SERIES	C31
Direct Drive Downblast Spun Aluminum Exhausters	



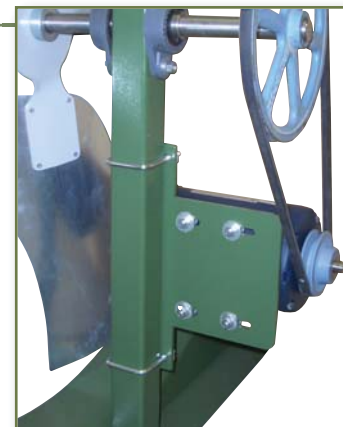
XBL - BELT DRIVE WALL FANS

Economy commercial and light duty industrial exhaust fans.
Ideal for Factories, Warehouses, Gymnasiums, Greenhouses, etc.



XBL series fans are typically used for low pressure applications with little or no duct work.

The XBL series is constructed for efficient, economical operation and are designed to be used primarily as exhaust fans.



HEAVY STEEL POST MOUNT

FEATURES

- Available in 24", 30", 36", 42" and 48" blade diameters
- Heavy gauge steel fan panel with deep spun orifice and flared venturi to maximize efficiency.
- Heavy steel post Motor mount with "U" clamp motor mount/belt tensioner.
- ODP motors are standard.
- Durable baked on textured polyethylene powder coat finish.
- Accepts all "XB" series accessories, including Cabinets, Sleeves, Shutters and guards.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

SPECIFICATIONS

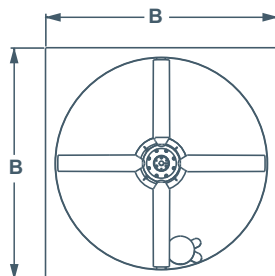
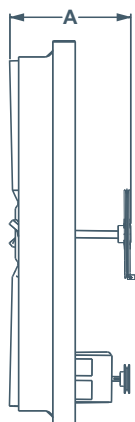
BLADE DIAMETER	MODEL #			MOTOR H.P.	CFM	WEIGHT (LBS.)
	SINGLE PHASE	230/460V PHASE	575V			
24"	XBL24T10033	XBL24T30033M	XBL24T30033P	1/3	3270	50
30"	XBL30T10033	XBL30T30033M	XBL30T30033P	1/3	7730	60
36"	XBL36T10050	XBL36T30050M	XBL36T30050P	1/2	9870	65
42"	XBL42T10075	XBL42T30075M	XBL42T30075P	3/4	14800	75
48"	XBL48T10100	XBL48T30100M	XBL48T30100P	1.0	21500	98

Weights subject to change.

DIMENSIONS

MODEL	BLADE DIAMETER	A	B X B SQUARE
XBL24	24"	17.5"	29.625"
XBL30	30"	17.5"	35.625"
XBL36	36"	17.5"	41.625"
XBL42	42"	17.5"	47.625"
XBL48	48"	17.5"	53.625"

Dimensions subject to change.
For CBS dimensions & illustration, see page C9.



BACK VIEW



ODP MOTOR

OPTIONS

For fan complete with cabinet/guard and shutter, substitute "T" with CBS





XB - BELT DRIVE WALL FANS

Designed for commercial and medium duty industrial applications
Factories, Warehouses, Gymnasiums, Underground parking garages, etc.

These fans are typically used for low pressure applications with little or no duct work.

The XB series is designed and constructed for efficient and economical operation at low speeds and low noise levels.

These fans are used for exhaust applications. For supply applications, please see next page.



BACK VIEW

SPECIFICATIONS

BLADE DIAMETER	MODEL #		WEIGHT (LBS.)	RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE					
	SINGLE PHASE	THREE PHASE					0"	1/8"	1/4"	3/8"	1/2"	5/8"
24"	XB24T10033	XB24T30033*	115	670	1/3	61	4643	4038	2488	-	-	-
	XB24T10050	XB24T30050*	115	805	1/2	65	5578	5112	4405	2934	-	-
	XB24T10075	XB24T30075*	115	925	3/4	70	6410	6030	5526	4731	3354	-
	XB24T10100	XB24T30100*	133	1040	1.0	73	7207	6883	6457	5930	5143	3793
30"	XB30T10033	XB30T30033*	128	470	1/3	59	6658	4717	1948	-	-	-
	XB30T10050	XB30T30050*	129	565	1/2	63	8004	6689	4298	2119	-	-
	XB30T10075	XB30T30075*	129	640	3/4	66	9067	8014	6073	4220	2203	-
	XB30T10100	XB30T30100*	148	715	1.0	69	10129	9223	7790	5688	4248	2452
36"	XB30T10150	XB30T30150*	129	830	1.5	73	11758	11032	10045	8530	6647	5543
	XB36T10050	XB36T30050*	161	410	1/2	59	9854	7547	3560	-	-	-
	XB36T10075	XB36T30075*	160	460	3/4	63	11056	9197	5120	2876	-	-
	XB36T10100	XB36T30100*	180	515	1.0	67	12378	10847	7976	4784	2740	-
42"	XB36T10150	XB36T30150*	160	605	1.5	71	14541	13394	11542	8258	5859	4122
	XB36T10200	XB36T30200*	203	675	2.0	73	16223	15195	13750	11831	8029	6506
	XB42T10075	XB42T30075*	211	330	3/4	58	11755	8579	3357	-	-	-
	XB42T10100	XB42T30100*	230	390	1.0	63	13892	11596	5764	3462	-	-
48"	XB42T10150	XB42T30150*	207	465	1.5	68	16564	14700	12037	6386	4670	-
	XB42T10200	XB42T30200*	248	510	2.0	71	18167	16479	14514	9114	6418	4770
	XB42T10300	XB42T30300*	264	590	3.0	75	21016	19579	18030	15887	10630	7882
	XB48T10100	XB48T30100*	257	330	1.0	63	18658	14895	7243	3301	-	-
54"	XB48T10150	XB48T30150*	236	380	1.5	67	21485	18589	12083	7263	3754	-
	XB48T10200	XB48T30200*	281	425	2.0	70	24030	21457	17737	10447	7459	4205
	XB48T10300	XB48T30300*	290	485	3.0	74	27422	25190	22472	18073	11634	9008
	XB48T10500	XB48T30500*	312	585	5.0	80	33076	31236	29331	26834	23759	17330
60"	XB54T10150	XB54T30150*	316	310	1.5	65	24281	20657	10405	5754	2747	-
	XB54T10200	XB54T30200*	359	345	2.0	68	26593	23275	15740	8821	5199	2455
	XB54T10300	XB54T30300*	370	400	3.0	72	30832	28008	24336	14731	10317	6921
	XB54T10500	XB54T30500*	380	475	5.0	76	36613	34384	31798	28018	19368	13736
60"	XB54T10750	XB54T30750*	492	545	7.5	81	42009	40171	37818	35727	31930	24931
	XB60T10150	XB60T30150*	363	275	1.5	64	28093	23231	12618	6346	3157	-
	XB60T10200	XB60T30200*	405	300	2.0	66	30647	26162	17561	9965	5469	2822
	XB60T10300	XB60T30300*	416	345	3.0	70	35244	31470	27438	16612	11289	7142
60"	XB60T10500	XB60T30500*	430	420	5.0	76	42906	40193	36504	33232	31610	17734
	XB60T10750	XB60T30750*	539	485	7.5	81	49546	47400	44167	41266	38377	30896

BLADE DIAMETER

For three phase motors, substitute "M" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
Fan blades tested in accordance with AMCA standard 210, figure 12
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only
For VFD, please specify.

OPTIONS

For a complete listing of all available options, see page C10.



For fan complete with cabinet/guard and shutter, substitute "T" with CBS



For fan complete with front sleeve and shutter, substitute "T" with SLS



For fan with rear sleeve and back guard, substitute "T" with SLB

FEATURES

- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor and bearing supports.
- Heavy duty cast iron pillow block bearings.
- TEFC motors are standard.

Note Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B	C (BELT DRIVE MOTOR FRAME)	
				56 - 184	213 - 286
XB24	24"	29.625"	4.0"	18"	--
XB30	30"	35.625"	4.5"	18"	--
XB36	36"	41.625"	5.0"	18"	28"
XB42	42"	47.625"	5.0"	18"	28"
XB48	48"	53.625"	5.0"	18"	28"
XB54	54"	59.657"	5.5"	18"	28"
XB60	60"	67.657"	6.0"	18"	28"

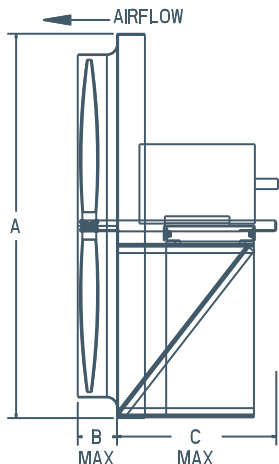




Photo above and Dimension illustration below show fan with cabinet, back guard and motorized steel control dampers (Standard).

SXB - BELT DRIVE WALL SUPPLY FANS

Designed for commercial and light duty industrial supply applications - Factories, Warehouses, Underground parking garages, etc.

These fans are typically used for low pressure applications with little to no duct work. The SXB series is designed and constructed for efficient and economical operation at low speeds and low noise levels. Please see previous page for exhaust fan applications.

This fan is complete with cabinet, motorized steel control damper and guard.



BACK VIEW

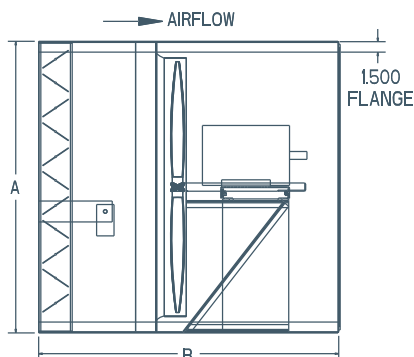
FEATURES

- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor and bearing supports.
- Galvanized heavy gauge steel fan blades that are statically and dynamically balanced.
- Heavy duty cast iron pillow block bearings.
- TEFC motors are standard.
- All damper motors are Belimo 120V with auxiliary switch.
- Complete with cabinet, motorized steel control damper and discharge guard.

Note Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B (BELT DRIVE MOTOR FRAME)	
			56 - 184	213 - 286
SXB24	24"	29.875"	43"	--
SXB30	30"	35.875"	43"	--
SXB36	36"	41.875"	43"	49"
SXB42	42"	47.875"	43"	49"
SXB48	48"	53.875"	43"	49"
SXB54	54"	59.9375"	43"	49"
SXB60	60"	67.9375"	43"	49"



SPECIFICATIONS

BLADE DIAMETER	MODEL #		RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE					
	SINGLE PHASE	THREE PHASE				0"	1/8"	1/4"	3/8"	1/2"	5/8"
	24"	SXB24CBMD10033				SXB24CBMD30033*	670	1/3	61.0	3947	3432
	SXB24CBMD10050	SXB24CBMD30050*	805	1/2	65	4741	4345	3744	2494	-	-
	SXB24CBMD10075	SXB24CBMD30075*	925	3/4	70.0	5449	5126	4697	4021	2851	-
	SXB24CBMD10100	SXB24CBMD30100*	1040	1	73.0	6126	5851	5488	5041	4372	3224
30"	SXB30CBMD10033	SXB30CBMD30033*	470	1/3	59.0	5659	4009	1656	-	-	-
	SXB30CBMD10050	SXB30CBMD30050*	565	1/2	63.0	6803	5686	3653	1801	-	-
	SXB30CBMD10075	SXB30CBMD30075*	640	3/4	66.0	7707	6812	5162	3587	1873	-
	SXB30CBMD10100	SXB30CBMD30100*	715	1	69.0	8610	7840	6622	4835	3611	2084
	SXB30CBMD10150	SXB30CBMD30150*	830	1 1/2	73.0	9994	9377	8538	7251	5650	4712
36"	SXB36CBMD10050	SXB36CBMD30050*	410	1/2	59.0	8376	6415	3026	-	-	-
	SXB36CBMD10075	SXB36CBMD30075*	460	3/4	63.0	9398	7817	4352	2445	-	-
	SXB36CBMD10100	SXB36CBMD30100*	515	1	67.0	10521	9220	6780	4066	2329	-
	SXB36CBMD10150	SXB36CBMD30150*	605	1 1/2	71.0	12360	11385	9811	7019	4980	3504
	SXB36CBMD10200	SXB36CBMD30200*	675	2	73.0	13790	12916	11688	10056	6825	5530
42"	SXB42CBMD10075	SXB42CBMD30075*	330	3/4	58.0	9992	7292	2853	-	-	-
	SXB42CBMD10100	SXB42CBMD30100*	390	1	63.0	11808	9857	4899	2943	-	-
	SXB42CBMD10150	SXB42CBMD30150*	465	1 1/2	68.0	14079	12495	10231	5428	3970	-
	SXB42CBMD10200	SXB42CBMD30200*	510	2	71.0	15442	14007	12337	7747	5455	4055
	SXB42CBMD10300	SXB42CBMD30300*	590	3	75.0	17864	16642	15326	13504	9036	6700
48"	SXB48CBMD10100	SXB48CBMD30100*	330	1	63.0	15859	12661	6157	2806	-	-
	SXB48CBMD10150	SXB48CBMD30150*	380	1 1/2	67.0	18262	15801	10271	6174	3191	-
	SXB48CBMD10200	SXB48CBMD30200*	425	2	70.0	20426	18238	15076	8880	6340	3574
	SXB48CBMD10300	SXB48CBMD30300*	485	3	74.0	23309	21412	19101	15362	9889	7657
	SXB48CBMD10500	SXB48CBMD30500*	585	5	80.0	28115	26551	24931	22809	20195	14731
54"	SXB54CBMD10150	SXB54CBMD30150*	310	1 1/2	65.0	20639	17558	8844	4891	2335	-
	SXB54CBMD10200	SXB54CBMD30200*	345	2	68.0	22604	19784	13464	7498	4419	2087
	SXB54CBMD10300	SXB54CBMD30300*	400	3	72.0	26207	23807	20686	12521	8769	5883
	SXB54CBMD10500	SXB54CBMD30500*	475	5	76.0	31121	29226	27028	23815	16463	11676
	SXB54CBMD10750	SXB54CBMD30750*	545	7 1/2	81.0	35708	34145	32145	30368	27141	21191
60"	SXB60CBMD10150	SXB60CBMD30150*	275	1 1/2	64.0	23879	19746	10725	5394	2683	-
	SXB60CBMD10200	SXB60CBMD30200*	300	2	66.0	26050	22238	14927	8470	4649	2399
	SXB60CBMD10300	SXB60CBMD30300*	345	3	70.0	29957	26750	23322	14120	9596	6071
	SXB60CBMD10500	SXB60CBMD30500*	420	5	76.0	36470	34164	31028	28247	20069	15074
	SXB60CBMD10750	SXB60CBMD30750*	485	7 1/2	81.0	42114	40290	37542	35076	32620	26262

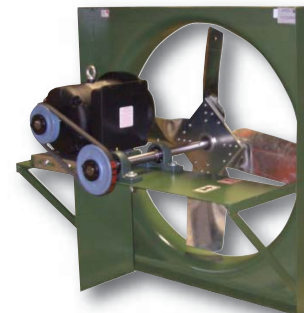
For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt Fan blades tested in accordance with AMCA standard 210, figure 12 dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

Please note this product is currently under review and the dimensions may change. Call for details.



HV - BELT DRIVE WALL FANS

Designed for heavy duty commercial and industrial applications
- Factories, Warehouses, Gymnasiums, Underground parking garages, etc.



BACK VIEW

These fans are typically used for high volume, high static pressure applications. The HV series is designed and constructed for efficient and economical operations while maximizing performance for heavy duty applications.

This fan is used for exhaust applications. Please consult factory for supply applications.

FEATURES

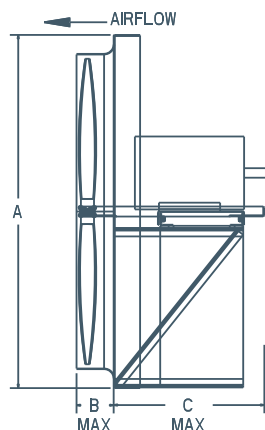
- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor and bearing supports.
- Galvanized heavy gauge steel fan blades that are statically and dynamically balanced.
- Heavy duty cast iron pillow block bearings.
- TEFC motors are standard.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B	C (BELT DRIVE MOTOR FRAME)	
				56 - 184	213 - 286
HV24	24"	29.625"	4.0"	18"	--
HV30	30"	35.625"	4.5"	18"	--
HV36	36"	41.625"	5.0"	18"	28"
HV42	42"	47.625"	5.0"	18"	28"
HV48	48"	53.625"	5.0"	18"	28"
HV54	54"	59.657"	5.5"	18"	28"
HV60	60"	67.657"	6.0"	18"	28"



SPECIFICATIONS

BLADE DIAMETER	MODEL #		WEIGHT (LBS.)	RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE						
	SINGLE PHASE	THREE PHASE					0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"
	24"	HV24T10100					HV24T30100*	139	1175	1.0	74	6750	6234
	HV24T10150	HV24T30150*	118	1375	1.5	78	7898	7458	7049	6604	5824	4768	4049
	HV24T10200	HV24T30200*	162	1515	2.0	81	8703	8303	7906	7581	7051	6267	5310
	HV24T10300	HV24T30300*	175	1750	3.0	84	10053	9707	9360	9039	8757	8328	7784
30"	HV30T10100	HV30T30100*	155	890	1.0	73	9056	8192	6801	4896	3715	2647	1739
	HV30T10150	HV30T30150*	136	1085	1.5	78	11040	10331	9535	8237	6607	5385	4492
	HV30T10200	HV30T30200*	176	1230	2.0	82	12515	11890	11253	10427	9087	7663	6499
	HV30T10300	HV30T30300*	189	1405	3.0	85	14296	13749	13201	12588	11823	10713	9334
	HV30T10500	HV30T30500*	201	1695	5.0	90	17247	16793	16339	15886	15393	14829	14111
36"	HV36T10150	HV36T30150*	167	690	1.5	73	13129	11608	9045	6862	4705	3046	1938
	HV36T10200	HV36T30200*	211	790	2.0	77	15032	13734	12277	9437	7757	5722	4174
	HV36T10300	HV36T30300*	221	935	3.0	82	17791	16695	15526	14129	11533	9929	8689
	HV36T10500	HV36T30500*	233	1140	5.0	88	21962	20793	19893	18903	17883	15993	13983
	HV36T10750	HV36T30750*	322	1230	7.5	90	23404	22571	21737	20860	19915	18971	16876
42"	HV42T10150	HV42T30150*	210	555	1.5	72	15811	13791	10645	6799	4462	3004	1926
	HV42T10200	HV42T30200*	250	660	2.0	77	18802	17137	15196	11975	8648	6367	4833
	HV42T10300	HV42T30300*	262	785	3.0	82	22363	20945	19507	17747	15061	11594	9620
	HV42T10500	HV42T30500*	276	935	5.0	87	26636	25434	24286	23041	21550	19661	17023
	HV42T10750	HV42T30750*	382	1085	7.5	91	30909	29873	28861	27882	26753	25543	24157
48"	HV48T10200	HV48T30200*	275	635	2.0	80	26326	23713	21228	17948	12756	10669	8491
	HV48T10300	HV48T30300*	294	750	3.0	85	31094	28711	26930	24543	21753	17660	14025
	HV48T10500	HV48T30500*	309	875	5.0	89	36276	34042	32521	30974	28814	26521	23883
	HV48T10750	HV48T30750*	413	940	7.5	92	38970	36891	35374	33953	32194	30183	27942
54"	HV54T10200	HV54T30200*	354	405	2.0	70	22986	19134	11540	7965	5000	2787	-
	HV54T10300	HV54T30300*	372	505	3.0	78	28661	25723	22119	1E+05	12020	8757	6667
	HV54T10500	HV54T30500*	392	620	5.0	83	35188	32838	30203	27208	21951	16987	14820
	HV54T10750	HV54T30750*	502	720	7.5	88	40863	38809	36754	34382	31736	27780	21541
	HV54T11000	HV54T31000*	500	800	10.0	91	45404	43529	41789	39675	37594	35093	31863
60"	HV60T10300	HV60T30300*	404	395	3.0	73	32640	26769	17386	12768	8585	4871	-
	HV60T10500	HV60T30500*	412	510	5.0	81	42143	37596	32867	24495	19643	16488	13537
	HV60T10750	HV60T30750*	552	600	7.5	86	49580	45715	41850	36219	29660	24923	21797
	HV60T11000	HV60T31000*	557	670	10.0	89	55364	51903	48442	44980	38454	33060	28617
	-	HV60T31500*	641	740	15.0	93	61149	58015	54881	51747	48613	41937	36959

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
Fan blades tested in accordance with AMCA standard 210, figure 12
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS

For a complete listing of all available options, see page C10.



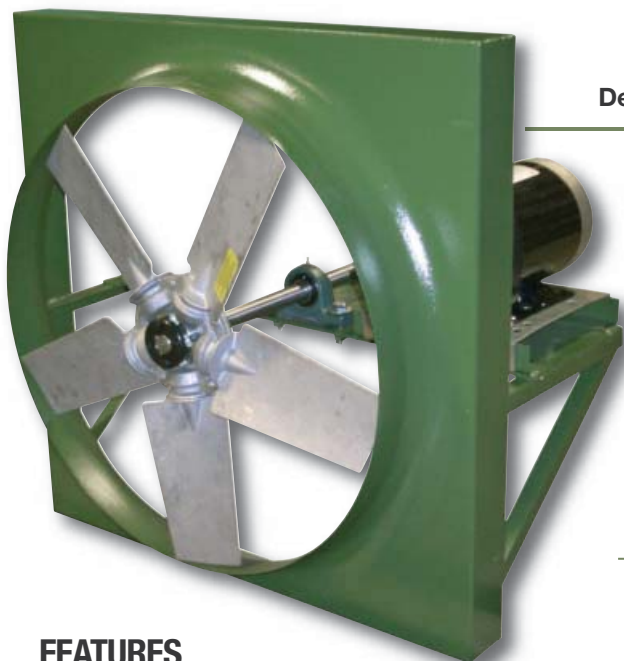
For fan complete with cabinet/guard and shutter, substitute "T" with CBS



For fan complete with front sleeve and shutter, substitute "T" with SLS



For fan with rear sleeve and back guard, substitute "T" with SLB



HVA - BELT DRIVE WALL FANS

Designed for heavy duty commercial and industrial exhaust applications.

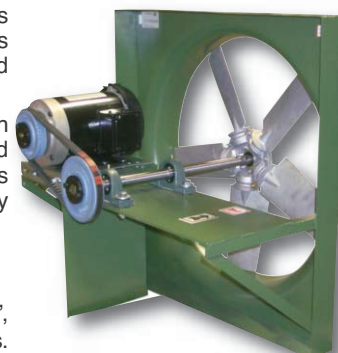
Heavy duty airfoil-cast aluminum or anti-static glass reinforced nylon blades are standard on HVA series fans providing maximum performance at low sound levels.

These fans are typically used for high volume, high static pressure applications. The HVA is designed and constructed for efficient and economical operations while maximizing performance for heavy duty applications.

This fan is used for exhaust applications.

Please consult factory for supply applications.

OPTIONAL - Reversing blades available on 30", 36", 42" and 48" models. Please consult factory for details.



BACK VIEW

FEATURES

- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor and bearing supports.
- Balanced cast aluminum airfoil blades (24" - 48").
- Electro anti-static glass reinforced nylon blades available in 54" - 60".
- Heavy duty cast iron pillow block bearings.
- TEFC motors are standard.

Note Reversing fan with cabinet will be a steel control damper.

Note Non-stock, made-to-order products are non-returnable and cannot be cancelled.

SPECIFICATIONS

BLADE DIAMETER	MODEL #			WEIGHT (LBS.)	RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE					
	SINGLE PHASE	THREE PHASE	THREE PHASE REVERSING BLADE					0"	1/8"	1/4"	3/8"	1/2"	3/4"
	24"	HVA24T10075	HVA24T30075*					-	113	1180	3/4	65	6750
	HVA24T10100	HVA24T30100*	-	132	1295	1.0	67	7400	7020	6620	6180	5690	4690
	HVA24T10150	HVA24T30150*	-	114	1475	1.5	70	8430	8090	7680	7390	7000	6010
	HVA24T10200	HVA24T30200*	-	153	1620	2.0	72	9260	8960	8640	8330	7990	7220
	HVA24T10300	HVA24T30300*	-	165	1890	3.0	76	10800	10670	10290	10060	9730	8890
30"	HVA30T10100	HVA30T30100*	HVAR30T30100*	145	965	1.0	66	10800	10050	9190	8100	6610	2620
	HVA30T10150	HVA30T30150*	HVAR30T30150*	127	1095	1.5	69	12320	11650	11000	10130	9140	5210
	HVA30T10200	HVA30T30200*	HVAR30T30200*	169	1225	2.0	71	13810	13170	12550	11930	11100	9120
	HVA30T10300	HVA30T30300*	HVAR30T30300*	180	1380	3.0	74	15490	14910	14540	13930	13270	11790
	HVA30T10500	HVA30T30500*	HVAR30T30500*	191	1635	5.0	78	18410	17850	17540	17160	16590	15470
36"	HVA36T10150	HVA36T30150*	HVAR36T30150*	157	830	1.5	69	16300	14950	13590	11730	8430	4610
	HVA36T10200	HVA36T30200*	HVAR36T30200*	199	910	2.0	71	17820	16650	15420	13980	12190	7310
	HVA36T10300	HVA36T30300*	HVAR36T30300*	212	1045	3.0	74	20490	19220	18410	17550	16020	12050
	HVA36T10500	HVA36T30500*	HVAR36T30500*	223	1245	5.0	78	24410	23610	22650	21780	20070	18650
	HVA36T10750	HVA36T30750*	HVAR36T30750*	312	1425	7.5	80	27930	27110	26380	25790	24830	23230
42"	HVA42T10150	HVA42T30150*	HVAR42T30150*	190	695	1.5	69	18710	17040	14780	10950	6910	-
	HVA42T10200	HVA42T30200*	HVAR42T30200*	231	770	2.0	71	20690	19920	17310	15080	11320	4820
	HVA42T10300	HVA42T30300*	HVAR42T30300*	243	895	3.0	73	24120	22840	21430	19620	17680	10290
	HVA42T10500	HVA42T30500*	HVAR42T30500*	255	1005	5.0	75	27070	25980	24640	23230	21810	17750
	HVA42T10750	HVA42T30750*	HVAR42T30750*	351	1205	7.5	79	32420	31520	30640	29530	28290	25760
	HVA42T11000	HVA42T3100*	HVAR42T3100*	364	1335	10.0	81	35910	35170	34340	33410	32390	30120
48"	HVA48T10200	HVA48T30200*	HVAR48T30200*	273	645	2.0	68	22430	20350	18290	15340	11070	3560
	HVA48T10300	HVA48T30300*	HVAR48T30300*	284	745	3.0	71	25790	24330	22450	20510	17880	10780
	HVA48T10500	HVA48T30500*	HVAR48T30500*	295	885	5.0	75	30710	29440	27810	26370	24690	20570
	HVA48T10750	HVA48T30750*	HVAR48T30750*	393	1005	7.5	78	34830	33850	32310	31080	29810	26690
	HVA48T11000	HVA48T31000*	HVAR48T31000*	404	1105	10.0	80	38300	37240	36210	34760	33670	31090
	-	HVA48T31500*	HVAR48T31500*	516	1265	15.0	83	43870	42900	42230	40860	39850	37760
54"	HVA54T10300	HVA54T30300*	-	339	595	3.0	74	33120	30150	26930	22950	16680	5610
	HVA54T10500	HVA54T30500*	-	346	710	5.0	76	39490	37130	34510	31680	28620	18600
	HVA54T10750	HVA54T30750*	-	480	810	7.5	78	45020	42890	40760	38660	35890	29810
	HVA54T11000	HVA54T31000*	-	483	905	10.0	81	50330	48450	46590	44640	42420	37520
	-	HVA54T31500*	-	559	1025	15.0	86	57010	55520	53850	52110	50170	46260
60"	HVA60T10500	HVA60T30500*	-	377	605	5.0	74	47580	44240	40920	36300	29670	16490
	HVA60T10750	HVA60T30750*	-	508	690	7.5	76	54300	51240	48620	45760	41310	27620
	HVA60T11000	HVA60T31000*	-	520	755	10.0	78	59420	56770	54150	51490	48410	39330
	-	HVA60T31500*	-	605	870	15.0	81	68490	66320	63840	61710	59300	53450
	-	HVA60T32000*	-	670	955	20.0	84	75110	73090	70670	68880	67010	62340

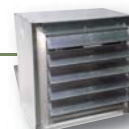
For three phase motors, substitute "3P" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt Fan blades tested in accordance with AMCA standard 210, figure 12 dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS

For a complete listing of all available options, see page C10.



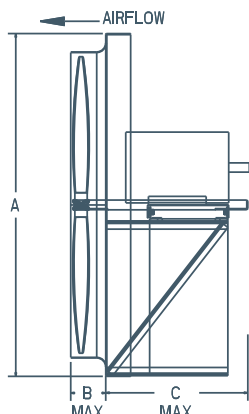
For fan complete with cabinet/guard and shutter, substitute "T" with CBS



For fan complete with front sleeve and shutter, substitute "T" with SLS



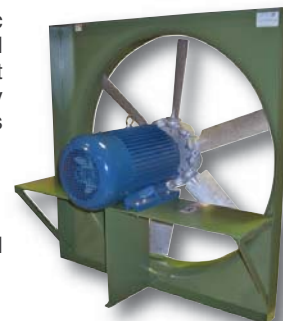
For fan with rear sleeve and back guard, substitute "T" with SLB





ADD - DIRECT DRIVE WALL FANS

Designed for heavy duty commercial and industrial applications
- Factories, Warehouses, Gymnasiums, Underground parking garages, etc.



BACK VIEW

These fans are typically used for high volume, high static pressure applications. The series ADD is designed and constructed for efficient & economical operations and is direct drive, therefore requiring little or no maintenance. Heavy duty airfoil cast aluminum blades are standard to ADD series fans providing maximum performance at low sound levels.

This fan is used for exhaust applications. Please consult factory for supply applications.

OPTIONAL - Reversing blades available on 30", 36", 42' and 48" models. Consult factory for details.

SPECIFICATIONS

BLADE DIAMETER	MODEL #			WEIGHT (LBS.)	RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE						
	SINGLE PHASE	THREE PHASE	THREE PHASE REVERSING BLADE					0"	1/8"	1/4"	1/2"	3/4"	1"	1 1/4"
	12"	ADD12T10033C	ADD12T30033C*					-	40	1140	1/3	45	990	760
14"	ADD14T10033C	ADD14T30033C*	-	42	1140	1/3	49	1450	1190	443	-	-	-	-
16"	ADD16T10033C	ADD16T30033C*	-	46	1140	1/3	53	2150	1960	1640	340	-	-	-
18"	ADD18T10075B	ADD18T30075B*	-	40	1750	3/4	67	4590	4440	4280	3910	3260	1750	-
20"	ADD20T10033C	ADD20T30033C*	-	50	1140	1/3	62	4530	3920	3180	739	-	-	-
24"	ADD24T10100C	ADD24T30100C*	-	125	1140	1	65	6520	6090	5630	4380	1920	813	-
30"	ADD30T10300B	ADD30T30300B*	ADD30T30100C*	138	1140	1	65	8680	8110	7480	6000	3630	1550	-
36"	ADD36T10500B	ADD36T30500B*	ADD36T30200C*	212	1140	3	74	19400	18520	17550	15600	13100	8980	6450
42"	ADD42T30500C	ADD42T30500C*	ADD42T30500C*	236	1140	5	76	25500	24580	23550	21100	18300	14200	10100
48"	ADD48T31500C*	ADD48T31500C*	ADD48T32000C*	596	1140	20	85	53900	52740	51450	48400	45200	42300	37120

FEATURES

- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor supports.
- Cast aluminum airfoil blades.
- TEFC motors are standard.

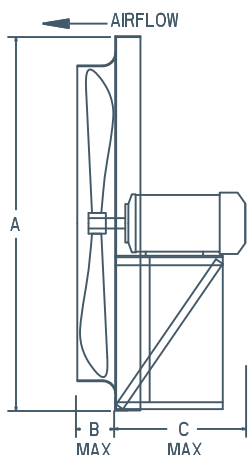
Note These fans can be combined with Explosion Proof Motors for use in hazardous locations. Please consult factory.

Note Reversing fan with cabinet will be a steel control damper.

Note Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B	C (DIRECT DRIVE MOTOR FRAME)		
				56 - 184	213 - 215	254 - 286
ADD12	12"	16.125"	2.0"	13"	--	--
ADD14	14"	18.125"	2.5"	13"	--	--
ADD16	16"	20.125"	3.0"	13"	--	--
ADD18	18"	22.125"	3.0"	13"	--	--
ADD20	20"	24.125"	3.5"	13"	--	--
ADD24	24"	29.625"	4.0"	13"	14"	--
ADD30	30"	35.625"	4.5"	13"	14"	25"
ADD36	36"	41.625"	5.0"	13"	14"	25"
ADD42	42"	47.625"	5.0"	13"	14"	25"
ADD48	48"	53.625"	5.0"	--	14"	25"



For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt Fan blades tested in accordance with AMCA standard 210, figure 12 dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS

For a complete listing of all available options, see page C10.



For fan complete with cabinet/guard and shutter, substitute "T" with CBS



For fan complete with front sleeve and shutter, substitute "T" with SL5



For fan with rear sleeve and back guard, substitute "T" with SLB



DDP - DIRECT DRIVE WALL FANS

Designed for heavy duty commercial and industrial applications
- Factories, Warehouses, Gymnasiums, Underground parking garages, etc.

The DDP fan utilizes a fiberglass reinforced polypropylene blade that runs more efficiently and quieter than steel fan blades.

Available in 12" - 24" blade sizes and 1/4 - 2 HP motor sizes.

This fan is used for exhaust applications.
Please consult factory for supply applications.



BACK VIEW

FEATURES

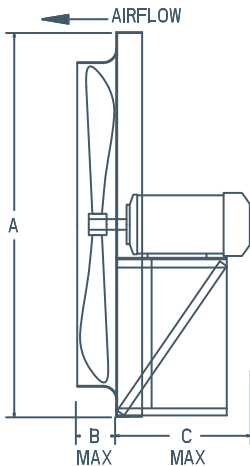
- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor supports.
- Fiberglass reinforced polypropylene blades.
- TEFC motors are standard.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B	C (DIRECT DRIVE MOTOR FRAME)	
				56 - 184	213 - 215
DDP12	12"	16.125"	2.0"	13"	--
DDP14	14"	18.125"	2.5"	13"	--
DDP16	16"	20.125"	3.0"	13"	--
DDP18	18"	22.125"	3.0"	13"	--
DDP20	20"	24.125"	3.5"	13"	--
DDP24	24"	29.625"	4.0"	13"	14"



SPECIFICATIONS

	MODEL #		WEIGHT (LBS.)	RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE						
	SINGLE PHASE	THREE PHASE					0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"
12"	DDP1230T1033C	DDP1230T3033C*	41	1140	1/3	50	929	755	472	-	-	-	-
	DDP1235T1033C	DDP1235T3033C*	41	1140	1/3	51	1080	859	475	-	-	-	-
	DDP1240T1033C	DDP1240T3033C*	41	1140	1/3	51	1240	997	559	-	-	-	-
	DDP1230T1033B	DDP1230T3033B*	33	1750	1/3	30	1410	1300	1180	1050	890	-	-
	DDP1235T1033B	DDP1235T3033B*	33	1750	1/3	61	1630	1500	1350	1200	985	-	-
14"	DDP1430T1033C	DDP1430T3033C*	45	1140	1/3	51	1460	1250	1010	560	-	-	-
	DDP1435T1033C	DDP1435T3033C*	45	1140	1/3	52	1680	1430	1120	636	-	-	-
	DDP1430T1033B	DDP1430T3033B*	37	1750	1/3	61	2210	2080	1950	1800	1640	1425	-
	DDP1435T1033B	DDP1435T3033B*	37	1750	1/3	62	2540	2380	2210	2020	1820	1575	-
	DDP1630T1033C	DDP1630T3033C*	49	1140	1/3	54	2070	1845	1610	940	-	-	-
16"	DDP1635T1033C	DDP1635T3033C*	49	1140	1/3	55	2300	2065	1780	1060	-	-	-
	DDP1640T1033C	DDP1640T3033C*	49	1140	1/3	57	1730	2440	2070	1230	-	-	-
	DDP1630T1050B	DDP1630T3050B*	41	1750	1/2	64	3130	2980	2830	2680	2530	2350	2130
	DDP1635T1050B	DDP1635T3050B*	41	1750	1/2	64	3480	3330	3170	3000	2820	2610	2400
	DDP1640T1075B	DDP1640T3075B*	41	1750	3/4	66	4130	3940	3730	3550	3290	3000	2680
18"	DDP1830T1033C	DDP1830T3033C*	50	1140	1/3	55	2790	2530	2270	1870	-	-	-
	DDP1835T1033C	DDP1835T3033C*	50	1140	1/3	58	3190	2910	2600	2205	1330	-	-
	DDP1840T1050C	DDP1840T3050C*	62	1140	1/2	61	3850	3480	3040	2485	1580	-	-
	DDP1830T1075B	DDP1830T3075B*	42	1750	3/4	67	4220	4050	3880	3710	3530	3340	3110
	DDP1835T1100B	DDP1835T3100B*	62	1750	1	68	4830	4650	4460	4260	4060	3850	3570
20"	DDP1840T1150B	DDP1840T3150B*	72	1750	1.5	70	5830	5600	5340	5100	4780	4480	4150
	DDP2030T1033C	DDP2030T3033C*	53	1140	1/3	63	3710	3405	3100	2720	2040	-	-
	DDP2035T1050C	DDP2035T3050C*	65	1140	1/2	63	4240	3960	3610	3215	2650	-	-
	DDP2030T1100B	DDP2030T3100B*	65	1750	1	72	5610	5420	5220	5000	4800	4610	4370
	DDP2035T1150B	DDP2035T3150B*	75	1750	1.5	73	6410	6220	6010	5800	5600	5360	5110
24"	DDP2040T1150B	DDP2040T3150B*	75	1750	1.5	73	7770	7530	7300	7000	6660	6350	5980
	DDP2425T1050C	DDP2425T3050C*	86	1140	1/2	63	4790	4260	3700	2865	1980	1345	-
	DDP2430T1050C	DDP2430T3050C*	86	1140	1/2	63	5710	5160	4520	3780	2730	2010	-
	DDP2435T1075C	DDP2435T3075C*	88	1140	3/4	64	6420	5815	5180	4425	3370	2445	1810
	DDP2425T1100B	DDP2425T3100B*	86	1750	1	73	7240	6900	6550	6210	5850	5370	4840
DDP2430T1150B	DDP2430T3150B*	76	1750	1.5	73	8580	8300	7920	7510	7100	6640	6150	
DDP2435T1200B	DDP2435T3200B*	108	1750	2	75	9660	9280	8880	8530	8110	7620	7150	

BLADE DIAMETER

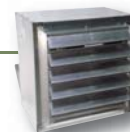
For three phase motors, substitute "M" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
Fan blades tested in accordance with AMCA standard 210, figure 12
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS

For a complete listing of all available options, see page C10.



For fan complete with cabinet/guard and shutter, substitute "T" with CBS



For fan complete with front sleeve and shutter, substitute "T" with SLS



For fan with rear sleeve and back guard, substitute "T" with SLB



DDS - DIRECT DRIVE WALL FANS

Designed for heavy duty commercial and industrial applications - Factories, Warehouses, Gymnasiums, Underground parking garages, etc.



The DDS fan utilizes a steel fan blade for efficient and economical operations and is direct drive, therefore requiring little to no maintenance.

This fan is used for exhaust applications. Please consult factory for supply applications.



BACK VIEW

SPECIFICATIONS

FEATURES

- Heavy gauge steel fan panel with deep spun and flared venturi for maximum efficiency.
- Heavy gauge welded steel motor supports.
- Galvanized, heavy gauge steel blades that are statically and dynamically balanced.
- TEFC motors are standard.

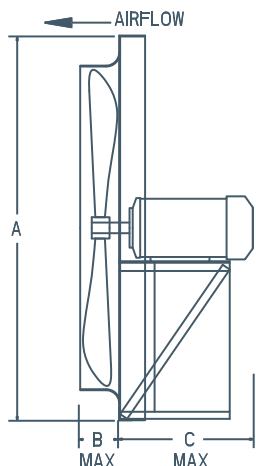


Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	BLADE DIAMETER	A X A SQUARE	B	C (DIRECT DRIVE MOTOR FRAME)		
				56 - 184	213 - 215	254 - 286
DDS12	12"	16.125"	2.0"	13"	--	--
DDS14	14"	18.125"	2.5"	13"	--	--
DDS16	16"	20.125"	3.0"	13"	--	--
DDS18	18"	22.125"	3.0"	13"	--	--
DDS20	20"	24.125"	3.5"	13"	--	--
DDS24	24"	29.625"	4.0"	13"	14"	--
DDS30	30"	35.625"	4.5"	13"	14"	25"
DDS36	36"	41.625"	5.0"	13"	14"	25"
DDS42	42"	47.625"	5.0"	13"	14"	25"
DDS48	48"	53.625"	5.0"	--	14"	25"

BLADE DIAMETER	MODEL #		WEIGHT (LBS.)	RPM	H.P.	dBA @ 5 ft.	CFM @ STATIC PRESSURE						
	SINGLE PHASE	THREE PHASE					0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"
	12"	DDS12T1033C					DDS12T3033C*	42	1140	1/3	53	940	647
12"	DDS12T1033B	DDS12T3033B*	34	1750	1/3	65	1422	1285	1062	697	587	419	234
14"	DDS14T1033C	DDS14T3033C*	45	1140	1/3	58	1346	1082	624	395	111	-	-
14"	DDS14T1033B	DDS14T3033B*	38	1750	1/3	67	2037	1879	1705	1417	1032	882	733
16"	DDS16T1033C	DDS16T3033C*	50	1140	1/3	63	1981	1660	1064	765	463	133	-
16"	DDS16T1033B	DDS16T3033B*	42	1750	1/3	72	2992	2841	2607	2223	1808	1521	1314
18"	DDS18T1033C	DDS18T3033C*	52	1140	1/3	64	2654	2331	1606	1077	745	449	228
18"	DDS18T1050B	DDS18T3050B*	44	1750	1/2	74	4016	3816	3594	3304	2934	2173	1814
20"	DDS20T1033C	DDS20T3033C*	56	1140	1/3	69	3561	3210	2734	1774	1350	986	675
20"	DDS20T1100B	DDS20T3100B*	67	1750	1	78	5389	5162	4926	4674	4350	3951	3191
24"	DDS24T1075C	DDS24T3075C*	100	1140	3/4	73	6549	6017	5527	4482	3454	2801	2226
24"	DDS24T1100B	DDS24T3100B*	93	1750	1	81	6761	6453	6128	5792	5291	4802	4316
24"	DDS24T1300B	DDS24T3300B*	132	1750	3	84	9909	9558	9207	8886	8599	8131	7576
30"	-	DDS30T3150C*	139	1140	1.5	79	11600	10925	10193	9127	7504	6177	5178
30"	DDS30T1500B	DDS30T3500B*	157	1750	5	90	17552	17106	16661	16215	15745	15190	14541
36"	-	DDS36T3200D*	230	860	2	80	16364	15172	13864	11597	9443	8094	6134
36"	-	DDS36T3500C*	233	1140	5	88	21692	20793	19893	18903	17883	15993	13983
42"	-	DDS42T3500D*	371	860	5	85	24499	23193	21957	20490	18660	15890	12704
42"	-	DDS42T3500C*	253	1140	5	88	23209	22619	21962	21019	19925	18829	17519
48"	-	DDS48T3750D*	520	860	7.5	89	35654	33411	31857	30219	28021	25622	22628
48"	-	DDS48T3750C*	398	1140	7.5	92	32563	31677	30688	29636	28562	27222	25795



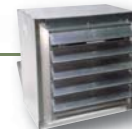
For three phase motors, substitute "" with "M" for 230/460 volt (if 208V required please specify) or "P" for 575 volt Fan blades tested in accordance with AMCA standard 210, figure 12 dBA ratings shown are measured at 0" static pressure and should be used as a guideline only

OPTIONS

For a complete listing of all available options, see page C10.



For fan complete with cabinet/guard and shutter, substitute "T" with CBS



For fan complete with front sleeve and shutter, substitute "T" with SLS



For fan with rear sleeve and back guard, substitute "T" with SLB

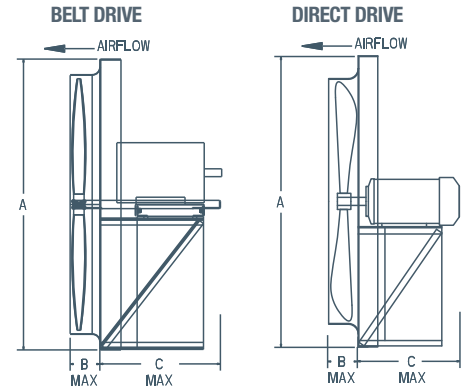


WALL EXHAUST FANS & VENTURI DIMENSIONS FOR STANDARD OPTIONS

VENTURI



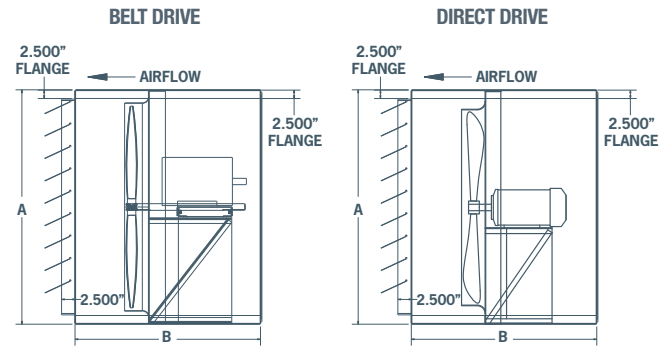
BLADE DIAMETER	A X A SQUARE	B	C				
			BELT DRIVE MOTOR FRAME		DIRECT DRIVE MOTOR FRAME		
			56 - 184	213 - 286	56 - 184	213 - 215	254 - 286
12"	16.125"	2.0"	--	--	13"	--	--
14"	18.125"	2.5"	--	--	13"	--	--
16"	20.125"	3.0"	--	--	13"	--	--
18"	22.125"	3.0"	--	--	13"	--	--
20"	24.125"	3.5"	--	--	13"	--	--
24"	29.625"	4.0"	18"	--	13"	14"	--
30"	35.625"	4.5"	18"	--	13"	14"	25"
36"	41.625"	5.0"	18"	28"	13"	14"	25"
42"	47.625"	5.0"	18"	28"	13"	14"	25"
48"	53.625"	5.0"	18"	28"	--	14"	25"
54"	59.657"	5.5"	18"	28"	--	--	--
60"	67.657"	6.0"	18"	28"	--	--	--



CABINET, BACK GUARD & SHUTTER



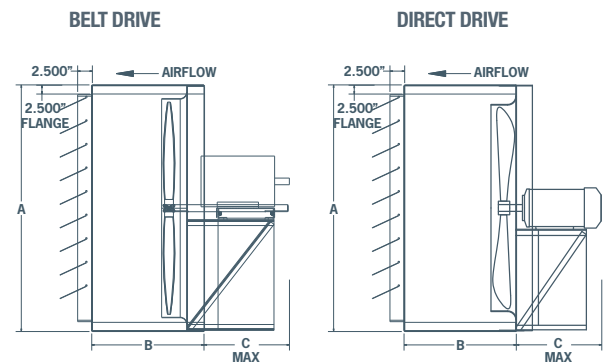
BLADE DIAMETER	A X A SQUARE	B				
		BELT DRIVE MOTOR FRAME		DIRECT DRIVE MOTOR FRAME		
		56 - 184	213 - 286	56 - 184	213 - 215	254 - 286
12"	16.375"	--	--	26"	--	--
14"	18.375"	--	--	26"	--	--
16"	20.375"	--	--	26"	--	--
18"	22.375"	--	--	26"	--	--
20"	24.375"	--	--	26"	--	--
24"	29.875"	33"	--	33"	33"	--
30"	35.875"	33"	--	33"	33"	43"
36"	41.875"	33"	43"	33"	33"	43"
42"	47.875"	33"	43"	33"	33"	43"
48"	53.875"	33"	43"	--	33"	43"
54"	59.9375"	33"	43"	--	--	--
60"	67.9375"	33"	43"	--	--	--



FRONT SLEEVE & SHUTTER



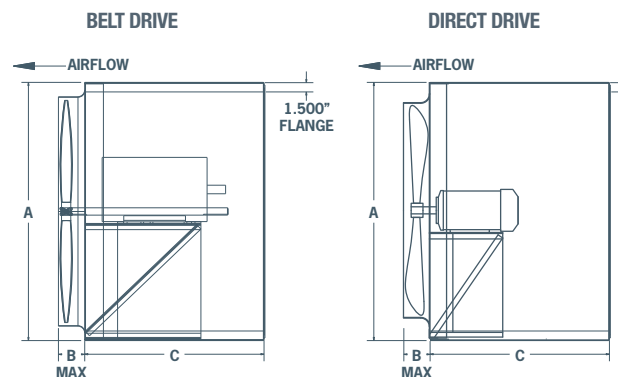
BLADE DIAMETER	A X A SQUARE	B	C				
			BELT DRIVE MOTOR FRAME		DIRECT DRIVE MOTOR FRAME		
			56 - 184	213 - 286	56 - 184	213 - 215	254 - 286
12"	16.375"	15.0"	--	--	12"	--	--
14"	18.375"	15.0"	--	--	12"	--	--
16"	20.375"	15.0"	--	--	12"	--	--
18"	22.375"	15.0"	--	--	12"	--	--
20"	24.375"	15.0"	--	--	12"	--	--
24"	29.875"	19.0"	15"	--	10"	11"	--
30"	35.875"	19.0"	15"	--	10"	11"	22"
36"	41.875"	19.0"	15"	25"	10"	11"	22"
42"	47.875"	19.0"	15"	25"	10"	11"	22"
48"	53.875"	19.0"	15"	25"	--	11"	22"
54"	59.9375"	19.0"	15"	25"	--	--	--
60"	67.9375"	19.0"	15"	25"	--	--	--



REAR SLEEVE & BACK GUARD



BLADE DIAMETER	A X A SQUARE	B	C				
			BELT DRIVE MOTOR FRAME		DIRECT DRIVE MOTOR FRAME		
			56 - 184	213 - 286	56 - 184	213 - 215	254 - 286
12"	16.375"	2.0"	--	--	15"	--	--
14"	18.375"	2.5"	--	--	15"	--	--
16"	20.375"	3.0"	--	--	15"	--	--
18"	22.375"	3.0"	--	--	15"	--	--
20"	24.375"	3.5"	--	--	15"	--	--
24"	29.875"	4.0"	19"	--	19"	19"	--
30"	35.875"	4.5"	19"	--	19"	19"	29"
36"	41.875"	5.0"	19"	29"	19"	19"	29"
42"	47.875"	5.0"	19"	29"	19"	19"	29"
48"	53.875"	5.0"	19"	29"	--	19"	29"
54"	59.9375"	5.5"	19"	29"	--	--	--
60"	67.9375"	6.0"	19"	29"	--	--	--



OPTIONS & ACCESSORIES

CABINET, BACK GUARD & SHUTTER



REAR SLEEVE & BACK GUARD



FRONT SLEEVE & SHUTTER



MOTOR OPTIONS

TWO SPEED MOTOR

Two speed motors are available for some of Canarm/LFI's exhaust fans. 1800/1200 or 1800/900 RPM variable torque, single and three phase. Consult factory for available voltages and configurations.

EXPLOSION PROOF MOTORS

Some of Canarm/LFI exhaust fans can be equipped with Explosion Proof Motors for hazardous locations. Class I, Groups C & D - Class II, Groups F & G. Consult factory for models.

CLASS I, GROUP C Atmospheres containing ethyl ether, ethylene, gases or vapors of equivalent hazard.

CLASS I, GROUP D Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, natural gas, naphtha, propane, or gasses or vapors of equivalent hazard.

CLASS II GROUP F Atmospheres containing carbonaceous dust, including carbon black, charcoal, coal, or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.

CLASS II GROUP G Atmospheres containing combustible dusts not included in group E or F, including flour, grain, wood, plastic and chemicals.

STEEL CONTROL & MOTORIZED CONTROL DAMPERS



Motorized steel control dampers can be mounted in fan cabinet or sleeve in either exhaust or intake applications. Consult factory.

FIXED LOUVRES

Fixed louvres are available shipped loose or mounted in fan cabinet or sleeve for exhaust or intake applications. Consult factory.

GUARDS



FRONT GUARD

Front guards available. Consult factory. Wire mesh not available on all sizes.

SPECIAL COATING

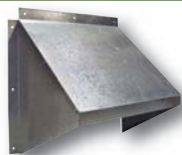
For most applications, Canarm LFI's standard enamel paint will provide the necessary surface protection for painted parts. For special requirements, coatings such as hot dipped galvanizing and epoxy, please consult factory.

DISCONNECT SWITCHES

Wire disconnect switches are available. See Controls & Thermostats section for details.

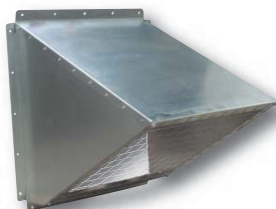
HOODS

GH GALVANIZED HOODS



- Economical shipping.
- Easy to assemble, galvanized hood.
- No screens.

GH KNOCK DOWN HOODS



- Easy to assemble, galvanized hood.
- Includes bird screen.

WHA HOODS



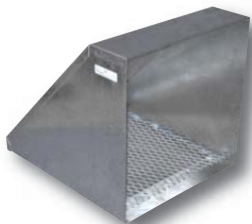
- For AX fans.
- Shipped fully assembled.
- 18 gauge galvanized weather hoods complete with bird screen.

WHP HOODS



- Optional insect screen available. Consult factory.
- For Panel fans.

INTAKE & EXHAUST HOODS



- Shipped fully assembled.
- 18 gauge galvanized weather hoods complete with bird screen.

PLASTIC HOODS



- Rugged, grey plastic hood.
- No screens.

HOOD MODEL	DIMENSIONS		APPROX. WEIGHT (LBS)	FANS THAT WILL FIT
	INSIDE DIMENSIONS	OUTSIDE DIMENSIONS		
GH-XF12-M	14.75"W X 14.0"H	18"W X 15.75"H	4	XF12 / XB12 / SD8 / SD10 / AX8 / AX10 / AX12
GH-XF16-M	18.75"W X 17.75"H	22"W X 19.75"H	7	XF16 / XB12 / HV12 / HVA12 / ADD12 / DDP12 / DDS12 / SD12-14 / AX14-16
GH-XF20-M	22.75"W X 22"H	26"W X 23.75"H	9	XF20 / XB14 / XB16 / HV14-16 / HVA14-16 / ADD14-16 / DDP14-16 / DDS14-16 / SD16-18 / AX18-20
GH-XF24-M	26.75"W X 26"H	29"W X 27.25"H	12	XF24

GH KNOCK DOWN HOODS

GH-KD24	31.65"W X 31.85"H	34.65"W X 34.83"H	31	XB24 / HV24 / HVA24 / ADD24 / DDP24 / DDS24 / SD24 / AX24
GH-KD36	43.62"W X 43.93"H	46.62"W X 46.82"H	75	XB30-36 / HV30-36 / HVA30-36 / ADD30-36 / DDS30-36 / SD30-36 / AX30-36 / SD42 / AX42
GH-KD48	55.62"W X 55.25"H	58.62"W X 58.82"H	TBA	XB42-48 / HV42-48 / HVA42-48 / ADD42-48 / DDS42-48
GH-KD60	69.76"W X 69.92"H	72.76"W X 72.95"H	TBA	XB54-60 / HV54-60 / HVA54-60 / ADD54-60

WHA HOODS

WHA8-10	12.11"W X 12.11"H		13	AX08-10, SD8
WHA12	14.05"W X 14.05"H		16	AX12, SD10
WHA14	16.11"W X 16.11"H		22	AX14, SD12
WHA16	18.11"W X 18.11"H		26	AX16, SD14
WHA18	20.11"W X 20.11"H		29	AX18, SD16
WHA20	22.05"W X 22.05"H		31	AX20, SD18
WHA24	26.05"W X 26.05"H		47	AX24
WHA30	33.05"W X 33.05"H		59	AX30
WHA36	39.11"W X 39.11"H		76	AX36

WHP HOODS

WHP-10P	14.45"W x 14.45"H		20	P08 / P10
WHP12P	17.40"W X 17.40"H		16	P12
WHP14P	19.20"W X 19.20"H		24	P14
WHP16P	21.20"W X 21.20"H		26	P16
WHP18P	23.20"W X 23.20"H		29	P18
WHP20P	25.20"W X 25.20"H		44	P20
WHP24P	29.15"W X 29.15"H		44	P24
WHP30P	35.65"W X 35.65"H		60	P30
WHP36P	41.65"W X 41.65"H		77	P36

EXHAUST / INTAKE / WEATHER HOODS

EH12	16.55"W X 16.55"H		9	XF12 / SD8-12 / AX8-14 / XB12 / HV12 / HVA12 / ADD12 / DDP12 / DDS12
EH14	18.60"W X 18.60"H		15	XB14 / HV14 / HVA14 / ADD14 / DDP14 / DDS14 / SD14 / XF16 / AX16
EH16	20.60"W X 20.60"H		20	AX18 / SD16 / XB16 / HV16 / HVA16 / ADD16 / DDP16 / DDS16
EH18	22.55"W X 22.55"H		31	SD18 / XB18 / HV18 / HVA18 / ADD18 / DDP18 / DDS18 / XF20 / AX20
EH20	24.55"W X 24.55"H		44	SD20 / XB20 / XF24 / HV20 / HVA20 / ADD20 / DDP20 / DDS20
EH24	30.05"W X 30.05"H		60	SD24 / AX24 / XB24 / ADD24 / HV24 / HVA24 / DDP24 / DDS24
EH30	36.35"W X 36.35"H		72	SD30 / AX30 / XB30 / HV30 / HVA30 / ADD30 / DDS30 / JFHVA24
EH36	42.30"W X 42.30"H		104	SD36 / AX36 / XB36 / HV36 / HVA36 / ADD36 / DDS36 / JFHVA30
EH42	48.63"W X 48.63"H		163	XB42 / HV42 / HVA42 / ADD42 / DDS42 / JFHVA36 / SD42 / AX42
EH48	54.64"W X 54.64"H		TBA	XB48 / HV48 / HVA48 / ADD48 / DDS48 / JFHVA42
EH54	61.20"W X 61.20"H		TBA	XB54 / HV54 / HVA54 / ADD54 / JFHVA48
EH60	69.39"W X 69.39"H		TBA	XB60 / HV60 / HVA60 / ADD60

PLASTIC HOODS

HFP-18G	21.50"W X 21.75"H		9	S8 / S10 / S12 / S14 / S16 / S18 / AX08 / AX10 / AX12 / AX14 / AX16 / AX18
HFP-24G	27.50"W X 27.75"H		13	S20 / S24 / AX20 / AX24



AX - SHUTTER MOUNTED FANS

Designed for Industrial, Commercial & Farming applications.



AX SERIES MOTOR



FEATURES

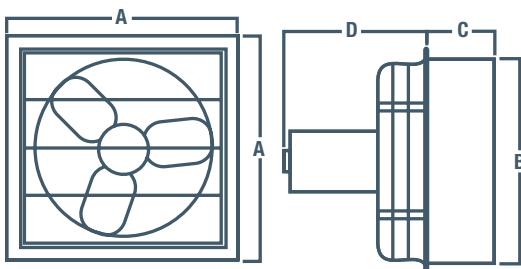
- Sturdily constructed from all-aluminum extrusions.
- 8" - 24" models have heavy wire chrome plated OSHA guards on intake side of fan.
- 30", 36" & 42" models have grey powder coated guards.
- Totally enclosed air over motor with overload protection.



DIMENSIONS

MODEL	A	B	C	D	
				AX	AX-4~
AX08	14 3/4"	11 3/4"	5"	7"	-
AX10	14 3/4"	11 3/4"	5"	7"	-
AX12	16 3/4"	13 3/4"	5"	11"	13 3/4"
AX14	18 3/4"	15 3/4"	5"	11"	13 3/4"
AX16	20 3/4"	17 3/4"	5"	11"	13 3/4"
AX18	22 3/4"	19 3/4"	5"	12"	14"
AX20	24 3/4"	21 3/4"	5"	12"	14"
AX24	28 3/4"	25 3/4"	5"	12"	13 3/4"
AX30	35 1/4"	32 3/4"	5"	13"	-
AX36	41 1/4"	38 3/4"	5"	12"	-
AX42	47 3/4"	44 3/4"	5"	11"	-

~ Explosion Proof Motor, 50 Hz or 3 phase



The AX series exhaust fan is a sturdily constructed, direct drive, horizontal discharge fan that is typically used for general ventilation of factories, garages, warehouses and other industrial or commercial buildings. The AX fans are available in multiple single-speed variations as well as two-speed and variable speed models.

The AX series housings are constructed of heavy duty aluminum with built in shutters that automatically open when the fan starts and gravity closes when the fan stops.

Some models now available with optional DC volt motor. Call for details.



EXPLOSION PROOF MOTOR

SPECIFICATIONS

SINGLE PHASE	THREE PHASE	BLADE DIAMETER	RPM	HP (SINGLE PHASE)	VOLTAGE (SINGLE PHASE)	AMPS (FLA) (SINGLE PHASE)	WEIGHT (LBS)	dB(A) @5 ft	CFM @ STATIC PRESSURE				FRAMING DIMENSIONS
									0.00"	0.10"	0.125"	0.25"	
SINGLE SPEED - VARIABLE SPEED FANS													
AX12-1V	AX12-1*	12"	1700	1/3	115/230	5.0/2.5	26	63	1650	1560	1525	1400	14" X 14"
AX12-1VHE	-	12"	1450	1/15	115	1.0	22	60	1350	1290	1275	1150	14" X 14"
AX14-1V	AX14-1*	14"	1700	1/3	115/230	5.0/2.5	29	67	2170	2030	1950	1900	16" X 16"
AX14-1VHE	-	14"	1450	1/15	115	1.0	25	64	1600	1525	1500	1300	16" X 16"
AX16-1V	AX16-1*	16"	1700	1/3	115/230	5.0/2.5	30	68	2570	2470	2410	2260	18" X 18"
AX16-1VHE	-	16"	1450	1/15	115	1.0	26	63	1850	1750	1700	1550	18" X 18"
AX18-1V	AX18-1*	18"	1700	1/3	115/230	3.8/1.9	36	71	3150	3000	2900	2575	20" X 20"
AX20-1V	AX20-1*	20"	1700	1/3	115/230	3.8/1.9	39	77	3620	3420	3340	3120	22" X 22"
AX24-1V	--	24"	1100	1/3	115/230	4.4/2.2	43	72	5500	5400	5310	5100	26" X 26"
--	AX24-1*	24"	1100	1/3	--	--	43	77	5500	5400	5310	5100	26" X 26"
SINGLE SPEED FANS													
AX12-2	--	12"	1625	1/4	115	1.8	27	63	1640	1540	1510	1390	14" X 14"
AX14-2	--	14"	1625	1/4	115	1.8	30	67	2170	2070	2030	1860	16" X 16"
AX16-2	--	16"	1625	1/4	115	1.8	31	68	2370	2270	2210	2060	18" X 18"
AX18-2	--	18"	1625	1/3	115	4.0	37	73	3200	3090	3040	2920	20" X 20"
AX20-2	--	20"	1625	1/3	115	4.0	39	77	3420	3220	3170	2920	22" X 22"
AX24-2	--	24"	1100	1/3	115	5.4	45	70	5000	4500	4300	3600	26" X 26"
AX30-2	--	30"	1100	1/3	115/230	4.4/2.2	72	82	8000	7000	6000	5000	33" X 33"
AX36-7	AX36-7M**	36"	850	1/2	115/230	6.6/3.3	88	72	10000	8500	8000	6200	39" X 39"
AX42-7	--	42"	850	1	230	5.5	122	84	14900	13550	13210	10800	45" X 45"
TWO SPEED FANS													
AX08-3	--	8"	1600/1300	1/20	115	1.7	14	48	360/300	270/150	230/110	--	12" X 12"
AX10-3	--	10"	1600/1300	1/20	115	1.7	14	56	690/580	590/460	570/390	--	12" X 12"
AX12-3	--	12"	1725/1140	1/4	115	3.4	27	64	1670/1100	1600/950	1575/900	1450/625	14" X 14"
AX14-3	--	14"	1725/1140	1/4	115	3.4	31	67	2190/1440	2080/1325	2000/1300	1950/850	16" X 16"
AX16-3	--	16"	1725/1140	1/4	115	3.4	34	69	2580/1770	2480/1620	2430/1560	2270/1020	18" X 18"
AX18-3	--	18"	1725/1140	1/3	115	5.3/2.9	38	74	3200/2310	3050/2030	2950/1960	2625/1750	20" X 20"
AX20-3	--	20"	1725/1140	1/3	115	5.3/2.9	41	77	3640/2420	3440/2270	3360/2210	3140/1890	22" X 22"
SINGLE SPEED EXPLOSION PROOF FANS (Explosion Proof Motors are DIVISION 1 - CLASS 1 - GROUP C & D and CLASS 2 - GROUP F & G)													
Class I Group C - Atmospheres containing ethyl ether, ethylene, gases or vapors of equivalent hazard.													
Class I Group D - Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, natural gas, naphtha, propane, or gases or vapors of equivalent hazard.													
Class II Group F - Atmospheres containing carbonaceous dust, including carbon black, charcoal, coal, or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.													
Class II Group G - Atmospheres containing combustible dusts not included in group E or F, including flour, grain, wood, plastic and chemicals.													
AX12-4	AX12-4*	12"	1725	1/3	115/208-230	6.6/3.1-3.3	49	63	1670	1600	1575	1450	14" X 14"
AX14-4	AX14-4*	14"	1725	1/3	115/208-230	6.6/3.1-3.3	49	67	2190	2080	2000	1950	16" X 16"
AX16-4	AX16-4*	16"	1725	1/3	115/208-230	6.6/3.1-3.3	51	68	2580	2480	2430	2270	18" X 18"
AX18-4	AX18-4*	18"	1725	1/3	115/208-230	6.6/3.1-3.3	56	73	3200	3050	2950	2625	20" X 20"
AX20-4	AX20-4*	20"	1725	1/3	115/208-230	6.6/3.1-3.3	57	77	3640	3440	3360	3140	22" X 22"
AX24-4	AX24-4*	24"	1725	1/3	115/208-230	6.6/3.1-3.3	57	77	5520	5410	5330	5130	26" X 26"

For three phase motors, substitute "**M" with "M" for 230/460 volt or "P" for 575 volt
 **NOTE: AX36-7M is only available in 208-230/460 volt for three phase applications
 Other voltages in single or three phase are available. 50HZ voltages are available. Consult factory.

ACCESSORIES

- Speed controls
- Thermostats
- Front guard
- Weather hoods

For a complete listing on all available accessories, see page C15.
 For a complete listing of all available hoods, see page C11.
 For all available control options, see Controls & Thermostats tab.



P SERIES FAN



FEATURES

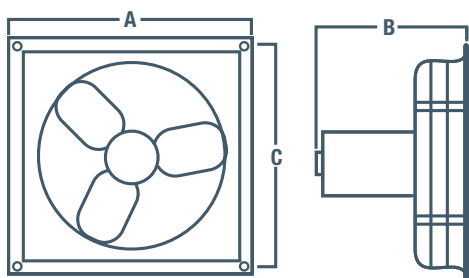
- Sturdily constructed direct drive, horizontal discharge fan.
- Durable powder coated finish.
- 8" - 24" models have heavy wire chrome plated OSHA guards on intake side of fan.
- 30" & 36" models have grey powder coated guards.
- Totally enclosed air over motor with overload protection.



DIMENSIONS

MODEL	A X A SQUARE	B		C c/c
		P	P-4~	
P08	13 1/4"	6 1/2"	-	12"
P10	15 1/4"	6 1/2"	-	14"
P12	17 1/4"	11"	13 3/4"	16"
P14	19 1/4"	11"	13 3/4"	18"
P16	21 1/4"	11"	13 3/4"	20"
P18	23 1/4"	11 1/4"	14"	22"
P20	25 1/4"	11 1/4"	14"	24"
P24	29 1/4"	11"	13 3/4"	28"
P30	35 1/4"	13 1/4"	-	34"
P36	41 1/4"	13 1/2"	-	40"

~ Explosion Proof Motor, 50 Hz or 3 phase



P - PANEL MOUNTED FANS

Designed for Industrial, Commercial & Farming applications.

The P series exhaust fan is a sturdily constructed, direct drive, horizontal discharge fan that is typically used for industrial, commercial and farming applications. The P fans are available in single-speed variations as well as two-speed and variable speed models.



P4 SERIES EXPLOSION PROOF MOTOR

SPECIFICATIONS

SINGLE PHASE	THREE PHASE	BLADE DIAMETER	RPM	HP (SINGLE PHASE)	VOLTAGE (SINGLE PHASE)	AMPS (FLA) (SINGLE PHASE)	WEIGHT (LBS)	dB(A) @5 ft	CFM @ STATIC PRESSURE					
									0.00"	0.10"	0.125"	0.25"		
SINGLE SPEED - VARIABLE SPEED FANS														
P12-1V	P12-1*	12"	1700	1/3	115/230	5.0/2.5	26	63	1650	1560	1525	1400		
P12-1VHE	--	12"	1450	1/15	115	1.0	22	60	1350	1290	1275	1150		
P14-1V	P14-1*	14"	1700	1/3	115/230	5.0/2.5	29	67	2170	2030	1950	1900		
P14-1VHE	--	14"	1450	1/15	115	1.0	25	64	1600	1525	1500	1300		
P16-1V	P16-1*	16"	1700	1/3	115/230	5.0/2.5	30	68	2570	2470	2410	2260		
P16-1VHE	--	16"	1450	1/15	115	1.0	26	63	1850	1750	1700	1550		
P18-1V	P18-1*	18"	1700	1/3	115/230	3.8/1.9	36	71	3150	3000	2900	2575		
P20-1V	P20-1*	20"	1700	1/3	115/230	3.8/1.9	39	77	3620	3420	3340	3120		
P24-1V	--	24"	1100	1/3	115/230	4.4/2.2	43	72	5500	5400	5310	5100		
--	P24-1*	24"	1100	1/3	--	--	57	77	5500	5400	5310	5100		
SINGLE SPEED FANS														
P12-2	--	12"	1625	1/4	115	1.8	27	63	1640	1540	1510	1390		
P14-2	--	14"	1625	1/4	115	1.8	30	67	2170	2070	2030	1860		
P16-2	--	16"	1625	1/4	115	1.8	31	68	2370	2270	2210	2060		
P18-2	--	18"	1625	1/3	115	4.0	37	73	3200	3090	3040	2920		
P20-2	--	20"	1625	1/3	115	4.0	39	77	3420	3220	3170	2920		
P24-2	--	24"	1100	1/3	115	5.4	45	70	5000	4500	4300	3600		
P30-2	--	30"	1100	1/3	115/230	4.4/2.2	72	82	8000	7000	6000	5000		
P36-7	P36-7M**	36"	850	1/2	115/230	6.6/3.3	88	72	12000	11000	10500	9500		
TWO SPEED FANS														
P08-3	--	8"	1600/1300	1/20	115	1.7	11	48	360/300	270/150	230/110	--		
P10-3	--	10"	1600/1300	1/20	115	1.7	11	56	690/580	590/460	570/390	--		
P12-3	--	12"	1725/1140	1/4	115	3.4	27	64	1670/1100	1600/950	1575/900	1450/625		
P14-3	--	14"	1725/1140	1/4	115	3.4	31	67	2190/1440	2080/1325	2000/1300	1950/850		
P16-3	--	16"	1725/1140	1/4	115	3.4	34	69	2580/1770	2480/1620	2430/1560	2270/1020		
P18-3	--	18"	1725/1140	1/3	115	5.3/2.9	38	74	3200/2310	3050/2030	2950/1960	2625/1750		
P20-3	--	20"	1725/1140	1/3	115	5.3/2.9	41	77	3640/2420	3440/2270	3360/2210	3140/1890		
SINGLE SPEED EXPLOSION PROOF FANS														
(Explosion Proof Motors are DIVISION 1 - CLASS 1 - GROUP C & D and CLASS 2 - GROUP F & G)														
Class I, Group C - Atmospheres containing ethyl ether, ethylene, gases or vapors of equivalent hazard.														
Class I, Group D - Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, natural gas, naphtha, propane, or gases or vapors of equivalent hazard.														
Class II Group F - Atmospheres containing carbonaceous dust, including carbon black, charcoal, coal, or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.														
Class II Group G - Atmospheres containing combustible dusts not included in group E or F, including flour, grain, wood, plastic and chemicals.														
P12-4	P12-4*	12"	1725	1/3	115/230	6.6/3.1-3.3	49	63	1670	1600	1575	1450		
P14-4	P14-4*	14"	1725	1/3	115/230	6.6/3.1-3.3	49	67	2190	2080	2000	1950		
P16-4	P16-4*	16"	1725	1/3	115/230	6.6/3.1-3.3	51	68	2580	2480	2430	2270		
P18-4	P18-4*	18"	1725	1/3	115/230	6.6/3.1-3.3	56	73	3200	3050	2950	2625		
P20-4	P20-4*	20"	1725	1/3	115/230	6.6/3.1-3.3	57	77	3640	3440	3360	3140		
P24-4	P24-4*	24"	1725	1/3	115/230	6.6/3.1-3.3	57	77	5520	5410	5330	5130		

For three phase motors, substitute "*" with "M" for 230/460 volt or "P" for 575 volt

**NOTE: P36-7M is only available in 208-230/460 volt for three phase applications

Other voltages in single or three phase are available. 50HZ voltages are available. Consult factory.

ACCESSORIES

- Front guards
- Wall sleeve
- Thermostats
- Backdraft dampers
- Weather hoods
- Controls

For a complete listing on all available accessories, see page C15.

For a complete listing of all available hoods, see page C11.

For all available control options, see Controls & Thermostats tab.

Consult factory to have accessories installed.



P12-1R FAN SHOWN

P - SERIES SUPPLY FANS

Designed for Industrial & Commercial Supply applications.



P12-1RS9M1115 FAN SHOWN COMPLETE WITH SLEEVE AND MOTORIZED DAMPER.

FEATURES

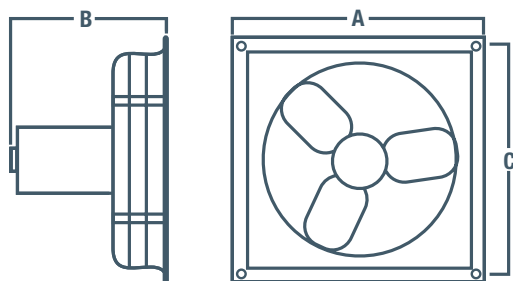
- Fully assembled.
- Sturdily constructed direct drive, horizontal fan.
- Durable powder coated finish.
- Heavy duty OSHA motor mount/guard is standard.
- Totally enclosed air over motor with overload protection.



Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

MODEL	A X A SQUARE	B	C c/c
P12-1R	17 1/4"	11"	16"
P14-1R	19 1/4"	11"	18"
P16-1R	21 1/4"	11"	20"
P18-1R	23 1/4"	12"	22"
P20-1R	25 1/4"	12"	24"
P24-1R	29 1/4"	12"	28"



SPECIFICATIONS

MODEL	BLADE DIAMETER	RPM	HP	VOLTAGE	AMPS (FLA)	WEIGHT (LBS)	CFM @ STATIC PRESSURE			
							0.00"	0.10"	0.125"	0.25"
P SERIES SUPPLY FAN										
P12-1R	12"	1700	1/3	115/230	5.0/2.5	26	1450	1400	1370	1260
P14-1R	14"	1700	1/3	115/230	5.0/2.5	29	1950	1825	1750	1700
P16-1R	16"	1700	1/3	115/230	5.0/2.5	30	2310	2200	2150	2030
P18-1R	18"	1700	1/3	115/230	3.8/1.9	36	2835	2700	2600	2315
P20-1R	20"	1700	1/3	115/230	3.8/1.9	39	3250	3075	3000	2800
P24-1R	24"	1100	1/3	115/230	6.4/3.2	43	4040	3928	3848	3520

P SERIES SUPPLY FAN

Complete with 9" sleeve and 120 Volt motorized damper (specs are for fan motor only and not damper motor)
For exhaust models, replace "1R" in the model name with "1V".

P12-1RS9M1115	12"	1700	1/3	115/230	5.0/2.5	45	1450	1400	1370	1260
P14-1RS9M1115	14"	1700	1/3	115/230	5.0/2.5	50	1950	1825	1750	1700
P16-1RS9M1115	16"	1700	1/3	115/230	5.0/2.5	54	2310	2200	2150	2030
P18-1RS9M1115	18"	1700	1/3	115/230	3.8/1.9	60	2835	2700	2600	2315
P20-1RS9M1115	20"	1700	1/3	115/230	3.8/1.9	66	3250	3075	3000	2800
P24-1RS9M1115	24"	1100	1/3	115/230	4.4/2.2	73	4040	3928	3848	3520

ACCESSORIES

- Thermostats
- Front guard
- Weather hoods

For a complete listing on all available accessories, see page C15.
For a complete listing of all available hoods, see page C11.
For all available control options, see Controls & Thermostats tab.

ACCESSORIES FOR AX & P SERIES FANS

FRONT GUARD FOR AX & P SERIES FANS

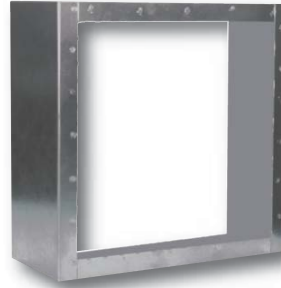
- 18 gauge galvanized 3/4" expanded metal screen, 6" deep.



FITS FAN	FRONT GUARD	WEIGHT (LBS)
3"	XFG8-10	6
10"	XFG8-10	6
12"	XFG12	6
14"	XFG14	8
16"	XFG16	9
18"	XFG18	10
20"	XFG20	10
24"	XFG24	13
30"	XFG30	TBA
36"	XFG36	TBA

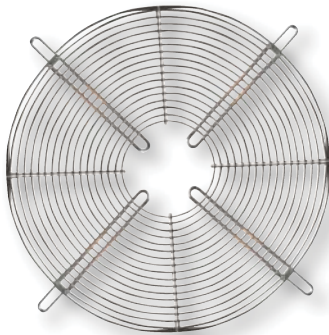
PANEL SLEEVES FOR P SERIES

- Sleeves are 9 1/2" deep.



FITS FAN	SLEEVES	WEIGHT (LBS)
8"	PSL08	14
10"	PSL10	14
12"	PSL12	14
14"	PSL14	14
16"	PSL16	14
18"	PSL18	15
20"	PSL20	19
24"	PSL24	23
30"	PSL30	26
36"	PSL36	30

REPLACEMENT GUARDS



FITS FAN	MODEL #	DESCRIPTION	WEIGHT (LBS)
8"	R-2X115	8" - 10" OSHA motor mount	3
10"	R-2X115	8" - 10" OSHA motor mount	3
12"	R-2X116	12" OSHA motor mount	3
14"	R-2X117	14" - 16" OSHA motor mount	4
16"	R-2X117	14" - 16" OSHA motor mount	4
18"	R-2X118	18" - 20" OSHA motor mount	5
20"	R-2X118	18" - 20" OSHA motor mount	5
24"	R-2X119	24" OSHA motor mount	7
30"	R-2X113	30" OSHA motor mount	8
36"	R-2X114	36" OSHA motor mount	9

MOTORIZED & GRAVITY DAMPERS FOR FRESH AIR INTAKE



MOTORIZED DAMPER

FITS FAN	MODEL #	
	MOTORIZED DAMPERS	BACK DRAFT DAMPERS
8"	SX3210X10	SR3210X10
10"	SX3210X10	SR3210X10
12"	SX3212X12	SR3212X12
14"	SX3214X14	SR3214X14
16"	SX3216X16	SR3216X16
18"	SX3218X18	SR3218X18
20"	SX3220X20	SR3220X20
24"	SX3224X24	SR3224X24
30"	SX3230X30	SR3230X30
36"	SX3236X36	SR3236X36

The Motorized dampers listed above are 110/230V.
For 24V AC, replace X with Z.



BACK DRAFT DAMPER

SD - STANDARD WALL EXHAUST FANS

Efficient, low maintenance and easy to install.

Canarm/LFI's standard fans follow a tradition of quality in design, materials and construction. All our standard fans are developed to be efficient and economically priced. Fans are available in single, two and variable speed models. All variable speed standard fans use an energy efficient variable speed, dual voltage motor and blade combination.

To determine the proper Canarm/LFI fan for your applications, use the following formula.

Number of cubic feet in room / Number of minutes per air change = Required C.F.M. Capacity

EXAMPLE: A general office, (see chart) which requires an air change every ten minutes, would require the following fan capacity.

If office is 100' x 40' x 10' = 40,000 cubic ft; 40,000 cubic ft / 10 minutes per air change = 4000 Required C.F.M.

From the chart, you would select a fan that is rated at 4000 C.F.M. at 1/8" S.P. (Static Pressure)



FEATURES

- Available in 8" to 42" sizes.
- Single, two and variable speed models are available.
- All fans use a totally enclosed, thermally protected motor.
- The rugged steel welded box housing has a durable powder coated finish.
- Aluminum louver shutters are supported by long life nylon bushings (30", 36" & 42" have PVC louvers).
- 8" - 24" models have heavy wire chrome plated OSHA guards on intake side of fan. 30", 36" & 42" models have grey powder coated guards.
- All fans are shipped completely assembled.



DIMENSIONS

FAN SIZE	A X A SQUARE	B	C	D (c/e)	E	N
8"	13 1/4"	11"	4"	12"	10 3/4"	2
10"	15 1/4"	11"	4"	14"	12 3/4"	2
12"	17 1/4"	17"	6"	16"	14 3/4"	3
14"	19 1/4"	17"	6"	18"	16 3/4"	3
16"	21 1/4"	17"	6"	20"	18 3/4"	4
18"	23 1/4"	15"	6"	22"	20 3/4"	4
20"	25 1/4"	18"	6"	24"	22 3/4"	5
24"	29 1/4"	18"	6"	28"	26 3/4"	5
30"	35 1/4"	19"	6"	34"	32 3/4"	16
36"	41 1/4"	18"	6"	40"	38 3/4"	20
42"	47 1/4"	18"	6 3/4"	46"	44 3/4"	24

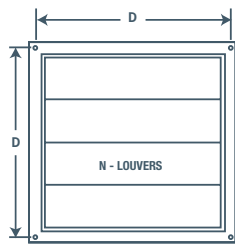
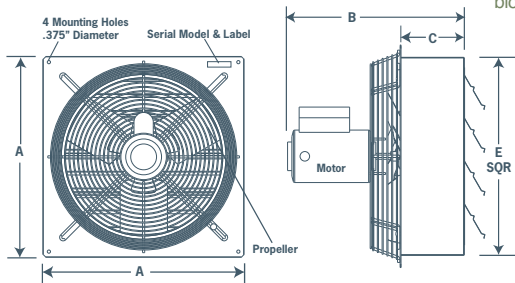
Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change
Assembly Hall	7	Church	15	Foundry	4	Pressing Room	1
Attic	2	Classroom	6	Garage	5	Projection Booth	2
Auditorium	10	Dance Hall	5	General Office	10	Summer Cooling	1
Barber Shop	6	Department Store	6	Gymnasium	8	Toilet	3
Basement	8	Dry Cleaning	5	Laundry	2	Transformer Room	1
Battery Room	4	Engine Room	6	Locker Room	3	Warehouse	12
Boiler Room	1	Factory	6	Machine Shop	8	Welding Shop	2
Bowling Alley	5	Forge Room	3	Plating Room	3		

SPECIFICATIONS

MODEL	SPEED	BLADE DIAMETER	RPM	HP	VOLTAGE	AMPS (FLA)	WEIGHT (LBS)	dB(A) @5 ft	CFM @ STATIC PRESSURE				FRAMING DIMENSIONS
									0.00"	0.10"	0.125"	0.25"	
S8-B2	Two	8"	1600/1300	1/20	115	1.7	12	48	360/300	270/150	230/110	0	11" X 11"
S10-B2	Two	10"	1600/1300	1/20	115	1.7	13	56	690/580	590/460	570/390	0	13" X 13"
S12-E1	Single	12"	1625	1/4	115	1.8	28	63	1640	1540	1510	1390	15" X 15"
S12-E2	Two	12"	1725/1140	1/4	115	3.4	32	64	1650/1090	1550/950	1520/930	1390/0	15" X 15"
S12-EVD	Variable	12"	1700	1/3	115/230	5.0/2.5	32	60	1650	1540	1510	1390	15" X 15"
S14-E1	Single	14"	1625	1/4	115	1.8	30	67	2170	2070	2030	1860	17" X 17"
S14-E2	Two	14"	1725/1140	1/4	115	3.4	34	65	2180/1350	2080/1190	2060/1160	1890/0	17" X 17"
S16-E1	Single	16"	1625	1/4	115	1.8	33	68	2370	2270	2210	2060	19" X 19"
S16-E2	Two	16"	1725/1140	1/4	115	3.4	36	69	2380/1640	2280/1490	2230/1430	2070/0	19" X 19"
S16-EVD	Variable	16"	1700	1/3	115/230	5.0/2.5	36	63	2370	2270	2210	2063	19" X 19"
S18-F1	Single	18"	1625	1/3	115	4.0	37	73	3200	3090	3040	2920	21" X 21"
S18-F2	Two	18"	1725/1140	1/3	115	5.3/2.9	43	74	3200/2100	3090/1890	3040/1820	2920/0	21" X 21"
S18-FVD	Variable	18"	1700	1/3	115/230	3.8/1.9	45	74	3150	3050	2980	2860	21" X 21"
S20-F1	Single	20"	1625	1/3	115	4.0	41	77	3420	3220	3170	2920	23" X 23"
S20-F2	Two	20"	1725/1140	1/3	115	5.3/2.9	45	77	3440/2300	3240/2000	3180/1950	2930/0	23" X 23"
SD24-F1	Single	24"	1100	1/3	115	5.4	46	70	5000	4500	4300	3600	27" X 27"
SD24-GVD	Variable	24"	1100	1/3	115/230	4.4/2.2	56	72	5050	4910	4810	4400	27" X 27"
SD30-G1D	Single	30"	1100	1/3	115/230	4.4/2.2	72	82	8000	7000	6000	5000	33" X 33"
SD36-G1D	Single	36"	850	1/2	115/230	6.6/3.3	88	72	10000	8500	8000	6200	39" X 39"
SD42-H1D	Single	42"	850	1	230	5.5	122	83	14900	13550	13210	10800	45" X 45"

NOTE: RPM Min (Minimum) is determined when louvers are opened one inch.

Note: Wind has a significant effect on exhaust fans. A 10 mph wind creates a 0.05" pressure against the fan. A 20 mph wind creates 0.20" pressure and 30 mph a 0.45" pressure. These pressures are in addition to the static pressure in the building. Wind blocks or hoods should be included in all designs where fans will be subjected to winds above 10 mph.



30", 36" & 42" MODELS WITH PVC LOUVERS



BACK VIEW

ACCESSORIES

- Grey plastic weather hood
- Galvanized metal hood
- MC type & wet locations controls.

For a complete listing on all available accessories, see page C15.
For a complete listing of all available hoods, see page C11.
For all available control options, see Controls & Thermostats tab.



FRONT VIEW

XFS SERIES EXHAUST SHUTTER FANS

For use in garages, sheds, workshops and more!

Canarm's **XFS series** wall exhaust fans are ideal for commercial applications. They feature smooth, quiet, reliable, maintenance free operation. Available in 12" to 24" sizes - fans are 2 or 3 speeds with OFF and come complete with a 9' cord and grounded plug. The fans have a durable steel construction with powder coat black finish and quiet, aluminum shutters with tie bar to maximize airflow. Installation is easy - simply mount the fan with 4 screws, plug it in and turn it on!



FEATURES

- Smooth, quiet, reliable, maintenance free operation.
- Available in 12" to 24" sizes.
- 12" and 16" models are 3 speed
- 20" and 24" models are 2 speed.
- Durable steel construction with powder coat black finish.
- Swept back, high efficiency, low noise blade design.
- Quiet, aluminum shutters with tie bar to maximize airflow.
- Strong powder coated OSHA guarding inside.
- ETL certified
- Euro design outside rotor motor for higher efficiency.
 - Totally enclosed with sealed ball bearings
 - Pull chain speed control
 - 9 foot cord with 115 volt, 3-prong plug
- Fans shipped totally assembled.

SPECIFICATIONS

MODEL	FAN SIZE	MOTOR HP	SPEED	VOLTS	NET WEIGHT	FAN RPM	CFM	HIGH SPEED SOUND LEVEL dB(A)	MAX AMPS	MAX AMBIENT TEMP
XFS12	12"	1/12	3	115	19 lbs	1600/1420/1150	1100/900/800	58	0.8 / 0.8 / 0.7	90°C/194°F
XFS16	16"	1/8	3	115	27 lbs	1630/1450/1330	2300/2000/1800	58	2.0 / 1.8 / 1.6	74°C/158°F
XFS20	20"	1/4	2	115	40 lbs	1140/1050	3300/2900	68	2.3 / 2.0	70°C/158°F
XFS24	24"	1/2	2	115	56 lbs	1140/1070	4700/3800	72	5.0 / 4.3	70°C/158°F



Tie bar aluminum shutters

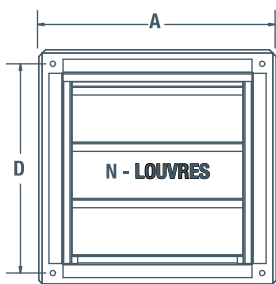
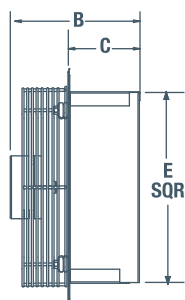


Pull chain switch

DIMENSIONS

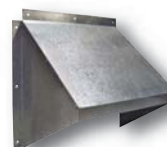
Note: Dimensions subject to change

MODEL	A X A SQUARE	B	C	D (c/c)	E SQR	N (# OF LOUVRES)	FRAMING	CARTON DIMENSIONS		
								Length	Height	Width
XFS12	16 7/8"	8 3/8"	5"	14 7/8"	13 1/2"	3	14" x 14"	17 3/8"	17 3/8"	9 7/8"
XFS16	20 7/8"	9 1/2"	5"	18 7/8"	17 1/2"	4	18" x 18"	21 3/8"	21 3/8"	9 7/8"
XFS20	24 7/8"	9 1/2"	5"	22 7/8"	21 1/2"	5	22" x 22"	25 1/4"	25 1/4"	10 1/4"
XFS24	28 7/8"	11 1/8"	5"	26 7/8"	25 1/2"	6	26" x 26"	29 1/8"	29 1/8"	11 1/2"



ACCESSORIES

Optional galvanized weather hood.



OPTIONAL WEATHER HOOD	
FAN SIZES	HOOD #
12"	GH-XF12
16"	GH-XF16
20"	GH-XF20
24"	GH-XF24

XFS SERIES EXHAUST SHUTTER FANS



To determine the proper XFS Fan for your applications, use the following formula.
Number of cubic feet in room / Number of minutes per air change = Required CFM Capacity

EXAMPLE: A general office, (see chart) which requires an air change every ten minutes, would require the following fan capacity.

If office is 100' x 40' x 10' = 40,000 cubic ft; 40,000 cubic ft / 10 minutes per air change = 4000 Required CFM

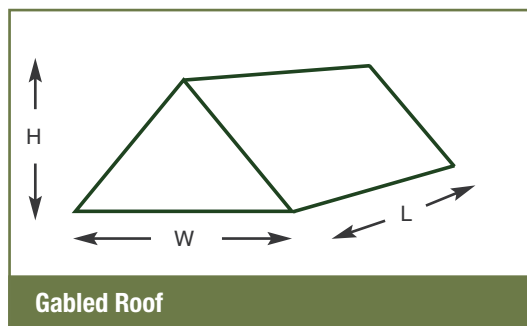
From the chart, you would select a fan that is rated at 4000 CFM at 1/8" S.P. (Static Pressure)

Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change	Application	Minutes per Air Change
Assembly Hall	7	Church	15	Foundry	4	Pressing Room	1
Attic	2	Classroom	6	Garage	5	Projection Booth	2
Auditorium	10	Dance Hall	5	General Office	10	Summer Cooling	1
Barber Shop	6	Department Store	6	Gymnasium	8	Toilet	3
Basement	8	Dry Cleaning	5	Laundry	2	Transformer Room	1
Battery Room	4	Engine Room	6	Locker Room	3	Warehouse	12
Boiler Room	1	Factory	6	Machine Shop	8	Welding Shop	2
Bowling Alley	5	Forge Room	3	Plating Room	3		

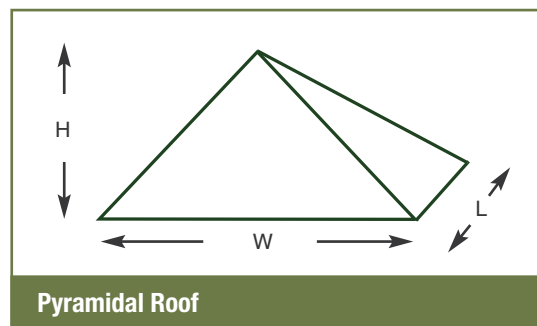
ATTIC VENTILATION

CAUTION!

Attic temperatures can get very high and exceed the high temperature protection device, shutting down the fan if there is not enough air change to keep the attic at a temperature below 120 °F.



$$\text{Volume} = L \times W \times 1/2 H$$



$$\text{Volume} = L \times W \times 1/3 H$$

Recommended air changes in an attic are about 2-3 minutes per air charge (MIN/AC) to keep the temperatures down. (2 minutes in southern climates and 3 minutes in northern climates.)

$$\text{Using 2 minutes, required exhaust CFM} = \frac{\text{Total Volume}}{2 \text{ MIN/AC}}$$

This provides your required CFM of the exhaust fan, BUT there must be enough venting to supply fresh air to the attic space. A good rule of thumb is 1.5 ft² for every 1000 CFM of airflow.

Example:

Texas $\frac{6000 \text{ ft}^3}{2} = 3000 \text{ CFM}$
 Use XFS20

Texas inlet opening = $3000 \times \frac{1.5}{1000} = 4.5 \text{ ft}^2$

Minnesota $\frac{6000 \text{ ft}^3}{3} = 2000 \text{ CFM}$
 Use XFS16

Minnesota inlet opening = $2000 \times \frac{1.5}{1000} = 3 \text{ ft}^2$

UTILITY EXHAUST FANS

Ideal for garage exhaust, residential greenhouses, workshops and any other larger residential rooms requiring an exhaust fan.



FRONT VIEW

UF10-G

The UF10-G has a robust appearance. It comes in a grey finish and with a 10' black cord and grounded plug.



BACK VIEW

FEATURES

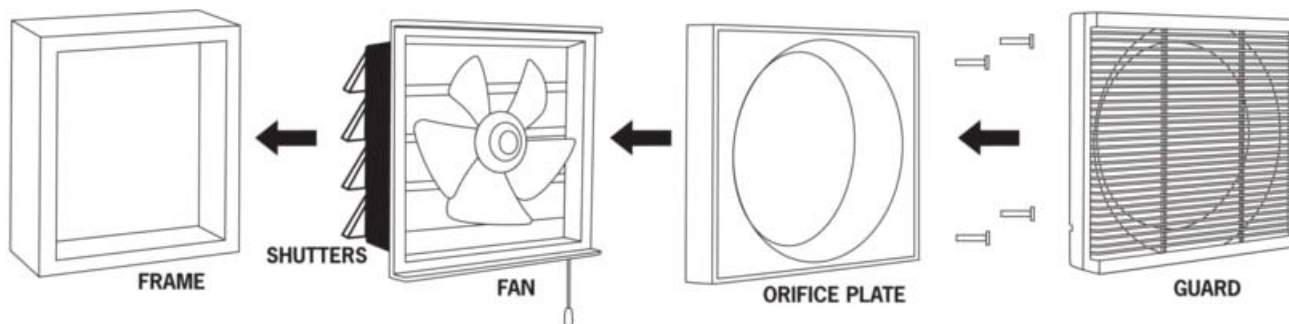
- 10" utility fan
- Grey and black finish
- Single speed
- 14" chrome on/off pull chain
- Shipped completely assembled
- 120 volt, 10' black cord & SJT plug with ground
- The UF10-G changes the air in a 10' (3m) x 10' (3m) room every 2.5 minutes provided an adequate air inlet is available.

PERFORMANCE SPECIFICATIONS

MODEL	FAN SIZE	SPEED	CFM	AMPS (FLA)	VOLTS	WATTS	DIMENSIONS (mm)		WEIGHT (LBS)
							FRAMING	CARTON	
UF10-G	10"	Single	350	0.36	120	40	295 x 295	389 x 206 x 389	7

INSTALLATION

For the greatest efficiency, mount the fan as high as possible. Installation is fast and simple. The fan comes fully assembled. A sturdy 295 mm x 295 mm framed wall opening should be prepared in advance. Carefully pull the guard off of the fan unit. Carefully pull the orifice plate off of the fan unit. Insert the fan unit into the frame. Using wood screws for wooden frames or nut, bolt and lock washers for steel frames, secure the fan using the mounting holes provided. The shutters should be situated to close by gravity (The shutters will open up and out when the fan is running and will close by gravity when the fan is stopped). Carefully replace the orifice plate and then the guard (these should snap back into place). Plug the fan into a 120 volt household outlet. Use the pull chain to turn the fan on and off.



NEW | now with
EC MOTORS
for energy savings

ALX-UD & ALX-UD-EC SERIES - UPBLAST DIRECT DRIVE SPUN ALUMINUM EXHAUSTERS



Ideal for exhausting air from restaurants, offices, warehouses or commercial buildings. The ALX series spun aluminum exhaust fan can be used as either a roof top or wall mount exhaust fan.

FEATURING PERFECT SPEED EC MOTORS - UP TO 82% EFFICIENCY

ENERGY SAVINGS OF UP TO 70% OVER REGULAR DUTY PSC MOTORS

For Performance Specifications please see next page.



FEATURES

- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Available with PSC or EC motors
- Variable speed PSC motors available on ALX 105/120/135
- All motors are 1 Phase 120/240V operation and can be operated at 50 or 60 Hz.
- All units can be wall mounted.
- Quick release latches for easy motor access

EC MOTORS ONLY

- EC motors offer true variable speed operation and up to 70% energy savings over PSC motors.
- On-board speed adjustment allows simple setup and balancing with LED display.
- Can be controlled remotely up to 50' using a remote mount potentiometer or 0-10V.

OPTIONS

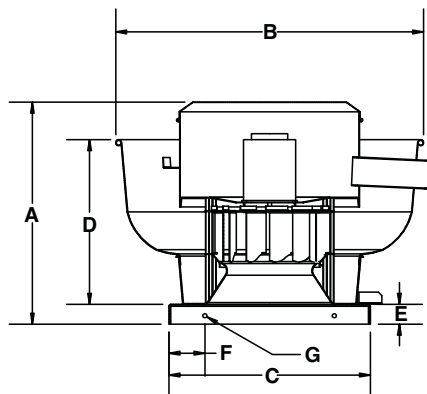
- Motorized damper (UL705 models only)
- Gravity (automatic) damper (UL705 models only)
- Wall mount bracket (for all sizes up to 24")
- Bird screen (UL705 only)
- Grease collection box (required for UL762)
- Curb hinge
- Disconnect switches
- Roof Curbs
- MC series solid state variable speed controls (ALX105-135 models)
- Remote mount potentiometer (available soon - EC models)
- Other curb caps options available. See C2 in dimensions table.



DIMENSIONS

MODEL	DIMENSIONS (INCHES)									Net Weight	
	A	B	C	C2	D	E	F	G Ø	Wheel Diameter		Roof Opening
ALX090-UD	14.25	17.75	19.00	-	9.50	2.00	-	-	9.00	13.00	30 lbs
ALX105-UD/EC	18.00	25.00	19.00	21.00	13.00	1.50	3.50	0.38	10.50	15.00	35 lbs
ALX120-UD/EC	19.00	25.00	19.00	21.00	13.00	1.50	3.50	0.38	12.25	15.00	37 lbs
ALX135-UD/EC	22.25	32.13	21.00	24.75	17.13	2.00	3.75	0.44	13.50	17.00	53 lbs
ALX150-UD/EC	23.13	32.13	21.00	24.75	17.13	2.00	3.75	0.44	15.00	17.00	58 lbs
ALX165-UD/EC	27.13	37.50	24.75	28.00	21.13	2.00	4.00	0.44	16.50	20.75	100 lbs
ALX180-UD-EC*	31.75	37.50	28.00	24.75	21.13	2.00	4.00	0.44	18.25	20.75	116 lbs
ALX210-UD-EC*	36.25	43.75	33.13	40.00	25.50	2.50	4.00	0.44	21.00	29.00	178 lbs

*EC motor option only



UL762 certified, refer to our UL762 Catalogue page B in Roof Mount Ventilation for all installation requirements



Canarm certifies that the ALX-UD Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



ALX-UD & ALX-UD-EC SERIES - UPBLAST DIRECT DRIVE SPUN ALUMINUM EXHAUSTERS

PERFORMANCE SPECIFICATIONS & CFM RATINGS

Unit	Motor			Airflow (CFM) @ Static Pressure															
	HP	Variable Speed	Max RPM	0.0"		.25"		.5"		.75"		1.00"		1.25"		1.5"		2.0"	
				High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
ALX090-UD008V	1/12	Y	1650	525	275	425	100	340	100	-	-	-	-	-	-	-	-	-	-
ALX105-UD013V	1/8	Y*	1650	700	526	600	451	400	300	-	-	-	-	-	-	-	-	-	-
ALX105-UD033EC	1/3	Y	1800	1051	217	954	319	866	393	732	440	534	483	-	-	-	-	-	-
ALX120-UD033V	1/3	Y*	1650	1300	977	1100	826	1000	751	800	601	600	451	-	-	-	-	-	-
ALX120-UD033EC	1/3	Y	1800	1548	325	1422	336	1282	367	1133	395	947	408	633	438	-	-	-	-
ALX135-UD050V	1/2	Y**	1650	1600	1200	1500	1127	1400	1052	1200	901	1100	826	900	676	300	225	-	-
ALX135-UD033EC	1/3	Y	1500	1578	400	1491	450	1346	600	1212	700	1053	850	-	-	-	-	-	-
ALX135-UD050EC	1/2	Y	1700	1723	400	1622	450	1518	600	1407	700	1277	850	1125	1000	-	-	-	-
ALX135-UD075EC	3/4	Y	1800	1865	400	1774	450	1679	600	1582	700	1472	850	1338	1000	1165	1100	-	-
ALX150-UD075S	3/4	N	1650	2200	-	2000	-	1900	-	1700	-	1500	-	1300	-	1000	-	-	-
ALX150-UD033EC	1/3	Y	1300	1852	600	1735	579	1594	663	1403	767	1157	846	-	-	-	-	-	-
ALX150-UD050EC	1/2	Y	1425	2003	581	1934	688	1754	680	1595	733	1389	823	1114	765	-	-	-	-
ALX150-UD075EC	3/4	Y	1650	2353	696	2261	711	2161	733	2048	674	1917	827	1751	940	1574	980	1269	1052
ALX150-UD100EC	1	Y	1800	2544	647	2462	643	2361	732	2276	680	2173	830	2050	940	1896	972	1496	1144
ALX165-UD150S	1 1/2	N	1650	3400	-	3300	-	3200	-	3000	-	2900	-	2800	-	2600	-	2200	-
ALX165-UD033EC	1/3	Y	1100	2323	861	2084	800	1878	921	1589	1068	-	-	-	-	-	-	-	-
ALX165-UD050EC	1/2	Y	1225	2595	861	2372	800	2155	921	1970	1068	1687	1155	-	-	-	-	-	-
ALX165-UD075EC	3/4	Y	1400	2965	861	2780	800	2579	921	2427	1068	2236	1155	1986	1318	1682	1405	-	-
ALX165-UD100EC	1	Y	1500	3179	878	3004	851	2816	921	2662	1068	2507	1155	2293	1318	2064	1405	1749	1524
ALX180-UD100EC	1	Y	1200	3275	1100	3100	1225	2875	1350	2600	1475	2225	1625	1800	1750	-	-	-	-
ALX210-UD100EC	1	Y	900	4300	1700	4000	1750	3725	1800	3400	1850	2900	1950	2200	2025	-	-	-	-

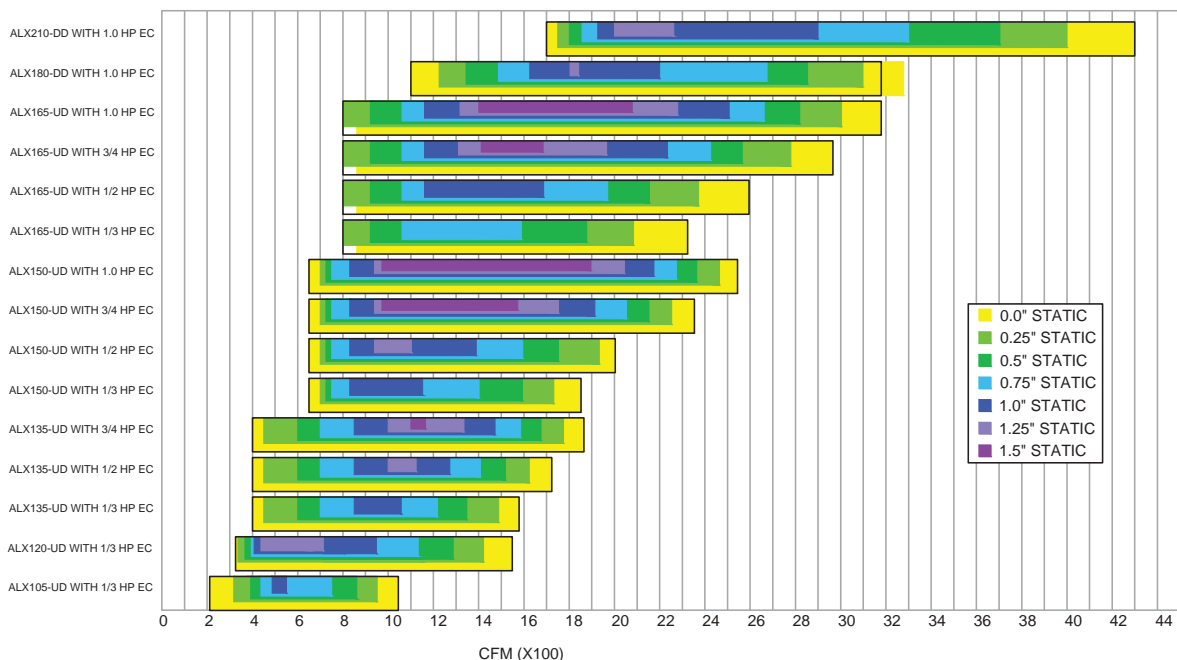
* Using MC5 (for 115V or MC5-230 (for 230V)

Minimum motor speed 425 RPM (EC Models)

** Using MC10 (for 115V or MC5-230 (for 230V)

EC motors can be controlled using the built in potentiometer on motor or by using a 0 to 10 V controller, or by a remote potentiometer.

ALX UPBLAST SERIES AIRFLOW RANGE WITH EC MOTORS





Intertek
705 762

ALX-UB SERIES - UPBLAST BELT DRIVE SPUN ALUMINUM EXHAUSTERS

Ideal for exhausting air from restaurants, offices, warehouses or commercial buildings. The ALX series spun aluminum exhaust fan can be used as either a roof top or wall mount exhaust fan.

Now stocked (or 2-3 day lead time) complete with pre-set motor and drives using adjustable motor pulley for field adjustment!

For Performance Specifications please see next page.

FEATURES

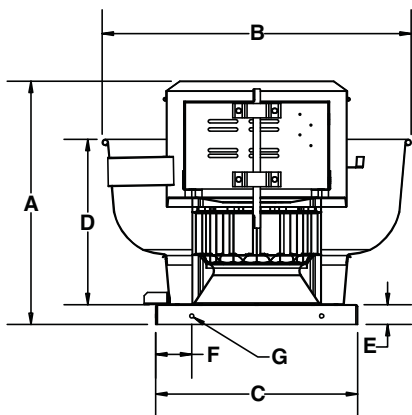
- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Belt drive.
- Available with a variety of field or factory installed 1 phase & 3 phase motors.
- Units up to 24" can be wall mounted.
- Quick release latches for easy motor access.

DIMENSIONS

NOTE: DUE TO MOTOR MANUFACTURERS VARIANCES IN DESIGN, PLEASE SEE USER MANUAL FOR MOTOR DIMENSIONAL GUIDELINES.

MODEL	DIMENSIONS (INCHES)											Net Weight (Without Motors)
	A	B	C	C2	D	E	F	G Ø	Shaft Size	Wheel Diameter	Roof Opening	
ALX135-UB	25.25	32.13	21.00	24.75	17.13	2.00	3.75	0.44	3/4"	13.50	17.00	43 lbs
ALX150-UB	26.13	32.13	21.00	24.75	17.13	2.00	3.75	0.44	3/4"	15.00	17.00	45 lbs
ALX165-UB	31.13	37.50	24.75	28.00	21.13	2.00	4.00	0.44	3/4"	16.50	20.75	108 lbs
ALX180-UB	31.75	37.50	28.00	24.75	21.13	2.00	4.00	0.44	3/4"	18.25	20.75	116 lbs
ALX210-UB	36.25	43.75	33.13	40.00	25.50	2.50	4.00	0.44	1"	21.00	29.00	178 lbs
ALX245-UB	37.00	43.75	33.13	40.00	25.50	2.50	4.00	0.44	1"	24.50	29.00	183 lbs
ALX300-UB	40.00	52.75	40.00	-	33.50	2.00	-	-	1 3/16"	36.00	36.00	410 lbs
ALX360-UB	45.56	63.44	44.00	-	43.44	2.00	-	-	1 3/16"	40.00	40.00	470 lbs

Note: Net weights for belt drive units do not include motor & drives.



QUICK RELEASE LATCHES FOR EASY MOTOR ACCESS

OPTIONS

- Motorized damper (UL705 models only)
- Gravity (automatic) damper (UL705 models only)
- Wall mount bracket (for all sizes up to 24")
- Bird screen (UL750 only)
- Grease collection box (required for UL762)
- Curb hinge
- Disconnect switches
- VFD's for 3 phase motors
- Roof curbs
- Other curb caps options available. See C2 in dimensions table.

DISCONNECT SWITCHES

- Wire disconnect switches are available. See Controls & Thermostats section for details.



UL762 certified, refer to our UL762 Catalogue page B in Roof Mount Ventilation for all installation requirements



Canarm certifies that the ALX-UB Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



ALX-UB SERIES - UPBLAST BELT DRIVE SPUN ALUMINUM EXHAUSTERS

PERFORMANCE SPECIFICATIONS

ALX UB WITH MOTORS & DRIVES and wired disconnect

Single	Three Phase	RPM Range	HP	RPM	Values @ 0.5" SP											
					BHP	Sones	0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5	1.75
ALX135UBT10025**		862-1293	1/4	1078	0.16	8.6	1100	1038	943	838	750	-	-	-	-	
ALX135UBT10033**		932-1398	1/3	1260	0.25	12.8	1302	1226	1159	1102	1000	835	-	-	-	
ALX135UBT10050**		1122 - 1552	1/2	1458	0.38	16.5	1500	1446	1388	1331	1250	1105	959	-	-	
ALX150UBT10050**		932-1398	1/2	1288	0.4	20	1775	1700	1625	1525	1400	1167	880	-	-	
ALX150UBT10075**		1078-1617	3/4	1528	0.66	27	2100	2038	1966	1887	1800	1632	1437	1210	900	
ALX150UBT10100	ALX150UBT30100*	1341-1820	1	1653	0.83	31	2278	2230	2159	2073	2000	1853	1677	1486	1266	985
ALX165UBT10100	ALX165UBT30100*	1097-1489	1	1252	0.6	21	2598	2554	2471	2382	2300	2121	1898	1516	-	-
ALX165UBT10150	ALX165UBT30150*	1254-1646	1.5	1466	0.94	26	3050	3006	2929	2885	2800	2656	2497	2325	2096	-
ALX180UBT10100	ALX180UBT30100*	980-1293	1	1241	0.92	25	3350	3320	3216	3137	3000	2731	2413	2039	-	-
ALX180UBT10200	ALX180UBT30200*	1097-1489	2	1403	1.31	30	3800	3746	3675	3597	3500	3307	3064	2751	2446	1991
ALX210UBT10150	ALX210UBT30150*	862-1132	1.5	1017	1.1	21	4320	4241	4098	3936	3800	3487	3057	2380	-	-
ALX245UBT10150	ALX245UBT30150*	673-889	1.5	790	1.01	18.9	5146	5006	4726	4535	4200	3466	2384	-	-	-
ALX245UBT10200	ALX245UBT30200*	745-979	2	862	1.31	22	5604	5477	5273	5057	4800	4204	3415	2218	-	-
ALX245UBT10300	ALX245UBT30300*	862-1132	3	964	1.84	28	6266	6152	5999	5795	5600	5095	4510	3797	2804	-

** 115V only. All other motors will be wired at high voltage.

*For three phase motors, substitute ""**" with "M" for 230/460 volt (wired for 460V) or "P" for 575 volt

UL705 = 1Ø Only

ALX UB WITHOUT MOTORS & DRIVES

Use Delair to price with motors and drives	MODEL	MIN HP	MAX HP	MAX RPM	TYPICAL MAXIMUM CFM @ SP								
					0"	0.25"	0.5"	0.75"	1"	1.25"	1.5"	2"	2.25"
					ALX135-UB	1/4	3/4	1800	1800	1700	1600	1500	1400
ALX150-UB	1/4	1	1800	2400	2300	2200	2100	1900	1800	1600	1200	-	
ALX165-UB	1/4	2	1800	3700	3600	3500	3400	3300	3200	3000	2700	2600	
ALX180-UB	1/4	2	1500	4000	3900	3700	3600	3300	3100	2800	2100	600	
ALX210-UB	1/2	3	1300	5500	5200	5000	4700	4400	4100	3700	2600	300	
ALX245-UB	1/2	3	1200	7400	7100	6800	6400	6000	5600	5100	4000	3500	
ALX300-UB	3/4	5	950	12000	11500	11000	10300	9800	9000	8250	7000	6000	
ALX360-UB	3/4	10	850	22000	20500	20000	19250	18500	17000	16000	14000	12500	

Consult our Delair fan selection software for fan curves and performance data.
Download Delair at www.canarm.com/delair

NEW | now with
EC MOTORS
for energy savings

ALX- DD & ALX-DD-EC SERIES DOWNBLAST DIRECT DRIVE SPUN ALUMINUM EXHAUSTERS



QUICK RELEASE
LATCH FOR
EASY MOTOR
ACCESS



Ideal for exhausting air from factories, offices, warehouses or commercial buildings. The ALX series spun aluminum exhaust fan can be used as either a roof top or wall mount exhaust fan.

For Performance Specifications please see next page.

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**FEATURING PERFECT
SPEED EC MOTORS - UP TO
82% EFFICIENCY**

**ENERGY SAVINGS OF UP
TO 70% OVER REGULAR
DUTY PSC MOTORS**



FEATURES

- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Available with PSC or EC Motors
- Variable speed PSC Motors available on ALX105/120/135
- All motors are 1 Phase 120/240V operation and can be operated at 50 or 60 Hz.
- All units can be wall mounted.
- Quick release latches for easy motor access on ALX135 – ALX165.

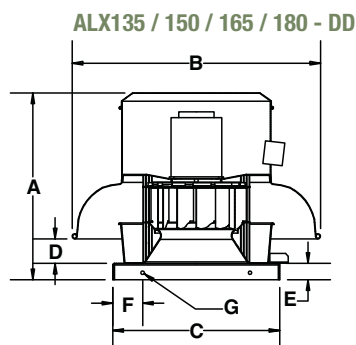
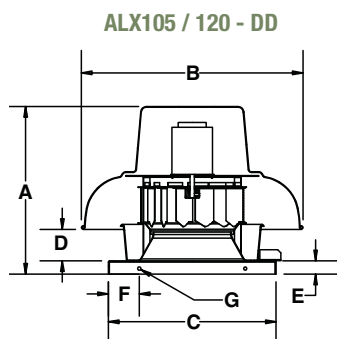
EC MOTORS ONLY

- EC motors offer true variable speed operation and up to 70% energy savings over PSC motors.
- On-board speed adjustment allows simple setup and balancing with LED display.
- Can be controlled remotely up to 50' using a remote mount potentiometer or 0-10V.

DIMENSIONS

MODEL	DIMENSIONS (INCHES)										Net Weight
	A	B	C	C2	D	E	F	G	Wheel Diameter	Roof Opening	
ALX090-DD	14.5	20.75	19	-	-	2	-	-	9	13	30
ALX105-DD/EC	18.00	25.00	19.00	21.00	2.50	1.50	3.50	0.38	10.50	15.00	33 lbs
ALX120-DD/EC	19.00	25.00	19.00	21.00	3.50	1.50	3.50	0.38	12.25	15.00	35 lbs
ALX135-DD/EC	22.25	31.25	21.00	24.75	3.13	2.00	3.75	0.44	13.50	17.00	51 lbs
ALX150-DD/EC	23.13	31.25	21.00	24.75	3.75	2.00	3.75	0.44	15.00	17.00	56 lbs
ALX165-DD/EC	27.13	36.25	24.75	28.00	5.00	2.00	4.00	0.44	16.50	20.75	100 lbs
ALX180-DD/EC*	31.75	36.25	28.00	24.75	5.50	2.00	4.00	0.44	18.25	20.75	114 lbs
ALX210-DD/EC*	36.25	43.75	33.13	40.00	5.25	2.50	4.00	0.44	21.00	29.00	176 lbs

*EC motor option only



OPTIONS & ACCESSORIES

- Motorized damper
- Gravity (automatic) damper
- Wall mount bracket (for all sizes up to 24")
- Bird screen
- Curb hinge
- Disconnect switches
- Roof Curbs
- MC series solid state variable speed controls (ALX 150/120 and 135)
- Remote mount potentiometer (available soon - EC models)
- Other curb caps options available. See C2 in dimensions table.



Canarm certifies that the ALX-DD Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



ALX-DD & ALX-DD-EC SERIES - DOWNBLAST DIRECT DRIVE SPUN ALUMINUM EXHAUSTERS

PERFORMANCE SPECIFICATIONS & CFM RATINGS

Unit	Motor			Airflow (CFM) @ Static Pressure															
	HP	Variable Speed	Max RPM	0.0"		.25"		.5"		.75"		1.00"		1.25"		1.5"		2.0"	
				High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
ALX090-DD008V	1/12	Y	1650	500	250	425	100	300	100	-	-	-	-	-	-	-	-	-	-
ALX105-DD013V	1/8	Y*	1650	700	526	600	451	300	225	-	-	-	-	-	-	-	-	-	-
ALX105-DD033EC	1/3	Y	1800	1100	239	1003	335	877	396	729	460	486	486	-	-	-	-	-	-
ALX120-DD033V	1/4	Y*	1650	1300	977	1200	901	1000	751	800	601	600	451	-	-	-	-	-	-
ALX120-DD033EC	1/3	Y	1725	1544	341	1406	400	1279	436	1095	438	810	472	-	-	-	-	-	-
ALX120-DD050EC	1/2	Y	1800	1610	341	1477	400	1357	436	1201	438	955	472	571	484	-	-	-	-
ALX135-DD050V	1/2	Y**	1650	1700	1277	1600	1200	1400	1042	1300	977	1100	826	900	676	500	375	-	-
ALX135-DD033EC	1/3	Y	1500	1578	414	1469	494	1341	574	1194	750	1009	865	-	-	-	-	-	-
ALX135-DD050EC	1/2	Y	1750	1843	414	1747	494	1645	574	1530	750	1405	865	1258	919	-	-	-	-
ALX135-DD075EC	3/4	Y	1800	1894	414	1805	494	1706	574	1597	750	1475	865	1344	919	1149	977	-	-
ALX150-DD075S	3/4	N	1650	2400	-	2200	-	2000	-	1900	-	1700	-	1500	-	1200	-	700	-
ALX150-DD033EC	1/3	Y	1250	1806	570	1649	499	1425	633	1179	812	-	-	-	-	-	-	-	-
ALX150-DD050EC	1/2	Y	1475	2133	570	2003	499	1842	633	1640	812	1430	866	1175	879	-	-	-	-
ALX150-DD075EC	3/4	Y	1675	2424	570	2312	499	2182	633	2016	812	1837	866	1654	879	1448	1072	-	-
ALX150-DD100EC	1	Y	1800	2603	570	2500	499	2383	633	2245	812	2075	866	1913	879	1739	1072	1273	1116
ALX165-DD150S	1 1/2	N	1650	3500	-	3400	-	3200	-	3100	-	2900	-	2700	-	2600	-	2100	-
ALX165-DD033EC	1/3	Y	1050	2264	860	2034	825	1787	1044	1470	1194	-	-	-	-	-	-	-	-
ALX165-DD050EC	1/2	Y	1175	2529	860	2328	825	2115	1044	1861	1194	1568	1320	-	-	-	-	-	-
ALX165-DD075EC	3/4	Y	1350	2909	860	2731	825	2546	1044	2362	1194	2132	1320	1879	1441	-	-	-	-
ALX165-DD100EC	1	Y	1475	3180	860	3018	825	2851	1044	2685	1194	2500	1320	2276	1441	2046	1545	-	-
ALX180-DD100EC	1	Y	1200	390	1300	3625	1380	3325	1450	3000	1550	2650	1650	2200	1750	-	-	-	-
ALX210-DD100EC	1	Y	900	4600	1800	4325	1825	3700	1875	3450	1900	2850	1925	2000	1950	-	-	-	-

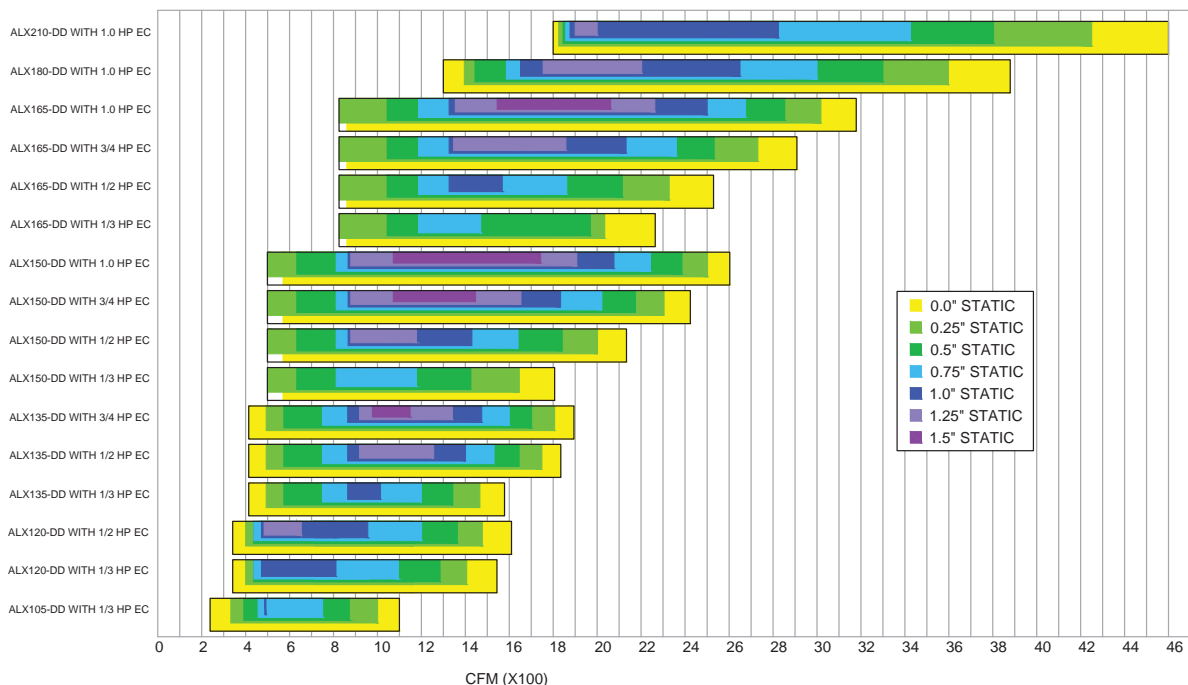
* Using MC5 (for 115V or MC5-230 (for 230V)

** Using MC10 (for 115V or MC5-230 (for 230V)

Minimum motor speed 425 RPM (EC Models)

EC motors can be controlled using the built in potentiometer on motor or by using a 0 to 10 V controller, or by a remote potentiometer.

ALX DOWNBLAST SERIES AIRFLOW RANGE WITH EC MOTORS





ALX-DB SERIES - DOWNBLAST BELT DRIVE SPUN ALUMINUM EXHAUSTERS

Ideal for exhausting air from factories, offices, warehouses or commercial buildings. The ALX series spun aluminum exhaust fan can be used as either a roof top or wall mount exhaust fan.

Now stocked (or 2-3 day lead time) complete with pre-set motor and drives using adjustable motor pulley for field adjustment!

For Performance Specifications please see next page.



QUICK RELEASE LATCH FOR EASY MOTOR ACCESS

FEATURES

- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Belt drive
- Available with a variety of field or factory installed 1 phase & 3 phase motors.
- Units up to 24" can be wall mounted.
- Quick release latches for easy motor access.
- Standard bird screen.

DIMENSIONS

NOTE: DUE TO MOTOR MANUFACTURERS VARIANCES IN DESIGN, PLEASE SEE USER MANUAL FOR MOTOR DIMENSIONAL GUIDELINES.

MODEL	DIMENSIONS (INCHES)											Net Weight (Without Motors)
	A	B	C	C2	D	E	F	G Ø	Shaft Size	Wheel Diameter	Roof Opening	
ALX135-DB	25.25	31.25	21.00	24.75	3.13	2.00	3.75	0.44	3/4"	13.50	17.00	41 lbs
ALX150-DB	26.13	31.25	21.00	24.75	3.75	2.00	3.75	0.44	3/4"	15.00	17.00	43 lbs
ALX165-DB	31.13	36.25	24.75	28.00	5.00	2.00	4.00	0.44	3/4"	16.50	20.75	106 lbs
ALX180-DB	31.75	36.25	28.00	24.75	5.50	2.00	4.00	0.44	3/4"	18.25	20.75	114 lbs
ALX210-DB	36.25	43.75	33.13	40.00	5.25	2.50	4.00	0.44	1"	21.00	29.00	176 lbs
ALX245-DB	37.00	43.75	33.13	40.00	5.88	2.50	4.00	0.44	1"	24.50	29.00	181 lbs
ALX300-DB	40.00	52.82	40.00	-	-	2.00	-	-	1 3/16"	30	36.00	380 lbs
ALX360-DB	45.56	63.31	44	-	-	2	-	-	1 3/16"	36	40	470 lbs

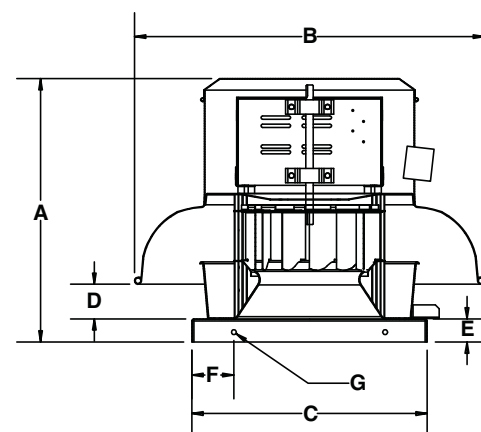
Note: Net weights for belt drive units do not include motor & drives.



Canarm certifies that the ALX-DB Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.

OPTIONS & ACCESSORIES

- Motorized damper
- Gravity (automatic) damper
- Wall mount bracket (for all sizes up to 24")
- Roof curb
- Disconnect switch
- Hinge kits
- VFD for 3 phase motors
- Other curb caps options available. See C2 in dimensions table.





ALX-DB SERIES - DOWNBLAST BELT DRIVE SPUN ALUMINUM EXHAUSTERS

PERFORMANCE SPECIFICATIONS

ALX DB WITH MOTORS & DRIVES and wired disconnect

Single	Three Phase	RPM Range	HP	RPM	Values @ 0.5" SP										
					BHP	Sones	0	0.125	0.25	0.375	0.5	0.75	1	1.25	1.5
ALX135DBT10025**		862-1293	1/4	1091	0.16	9.6	1146	1080	978	876	750	-	-	-	-
ALX135DBT10033**		932-1398	1/3	1255	0.24	12.9	1320	1264	1181	1099	1000	745	-	-	-
ALX135DBT10050**		1121 - 1552	1/2	1441	0.35	16.3	1500	1457	1393	1334	1250	1111	848	-	-
ALX150DBT10050**		932-1398	1/3	1185	0.34	16.6	1750	1708	1612	1513	1400	1143	-	-	-
ALX150DBT10075**		1078-1617	3/4	1401	0.54	23	2090	2011	1956	1880	1800	1619	1419	1090	-
ALX150DBT10100	ALX150DBT30100*	1340-1820	1	1515	0.68	26	2264	2216	2152	2070	2000	1834	1643	1438	1118
ALX165DBT10100	ALX165DBT30100*	1097-1489	1	1249	0.61	21	2600	2611	2509	2407	2300	2089	1828	1427	-
ALX165DBT10150	ALX165DBT30150*	1254-1646	1 1/2	1455	0.94	26	3100	3076	2993	2898	2800	2630	2427	2204	1980
ALX180DBT10100	ALX180DBT30100*	980-1293	1	1111	0.8	21	3575	3479	3320	3168	3000	2627	2174	-	-
ALX180DBT10200	ALX180DBT30200*	1097-1489	2	1242	1.11	27	3970	3885	3765	3646	3500	3200	3850	2452	1880
ALX210DBT10150	ALX210DBT30150*	862-1132	1 1/2	977	1.04	19.3	4500	4394	4214	4022	3800	3306	2704	-	-
ALX245DBT10150	ALX245DBT30150*	673-889	1 1/2	800	1.08	19.4	5325	5120	4815	4548	4200	3440	2300	-	-
ALX245DBT10200	ALX245DBT30200*	745-979	2	871	1.4	23	5808	5642	5362	5120	4800	4166	3338	-	-
ALX245DBT10300	ALX245DBT30300*	862-1132	3	973	1.94	27	6480	6304	6088	5846	5600	5057	4459	3700	2580

** 115V only. All other motors will be wired at high voltage.

For three phase motors, substitute "" with "M" for 230/460 volt (wired for 460V) or "P" for 575 volt

UL705 = 1Ø Only

ALX DB WITHOUT MOTORS & DRIVES

	MODEL	MIN HP	MAX HP	MAX RPM	TYPICAL MAXIMUM CFM @ SP								
					0"	0.25"	0.5"	0.75"	1"	1.25"	1.5"	2"	2.25"
Use Delair to price with motors and drives	ALX135-DB	1/4	3/4	1800	1900	1800	1700	1500	1300	1300	1100	-	-
	ALX150-DB	1/4	1	1800	2600	2500	2300	2200	2000	1800	1600	1200	600
	ALX165-DB	1/4	2	1800	3800	3700	3600	3400	3300	3100	3000	2600	2400
	ALX180-DB	1/4	2	1500	4800	4600	4400	4200	3800	3600	3400	2600	800
	ALX210-DB	1/2	3	1300	6000	5700	5500	5200	4900	4500	4100	2900	1800
	ALX245-DB	1/2	3	1200	7500	7100	6700	6300	5800	5300	4800	3700	3200
	ALX300-DB	3/4	5	860	13500	13250	13000	12250	11500	11000	10250	8500	7500
	ALX360-DB	3/4	10	800	23250	22500	22000	21250	20500	19000	18250	16000	-

Consult our Delair fan selection software for fan curves and performance data.
Download Delair at www.canarm.com/delair

SBRM SERIES - BELT DRIVE UPBLAST SPUN ALUMINUM EXHAUSTERS



Canarm certifies that the SBRM Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP					
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP
SBRM-13	2050	1600	--	--	
SBRM-15	3400	2950	2400	--	
SBRM-18	5000	4600	4200	3600	
SBRM-24	9000	8500	7500	6500	5500

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

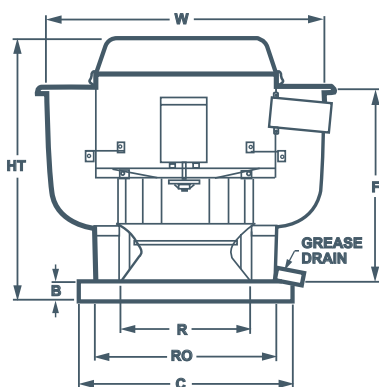
FEATURES

- Heavy duty construction, durable and weather resistant.
- Non-overloading backward inclined wheels, blades and inlets fabricated from 3003-H14 aluminum.
- Wall mount applications; units up to 24" nominal wheel can be wall mounted.
- External disconnect switch box (standard). (Switch sold separately.)
- Quick release latches for easy access to motor.
- Optional grease collection box.
- ETL listed for compliance with UL 705 and UL762 standards.



EXTERNAL DISCONNECT SWITCH BOX

DIMENSIONS



MODEL	WHEEL DIAMETER	HT	W	B	C	F	R	RO	SHAFT DIAMETER	MINIMUM MOTOR HP	MAXIMUM MOTOR HP	UNIT WEIGHT (LBS)	
												Without motor & drives	With motor & drives
SBRM-13	13 3/4"	27 1/4"	30 1/4"	2"	21"	21 1/2"	13 1/4"	16"	3/4"	1/4	1/2	60	120
SBRM-15	15 3/4"	30 1/2"	33 3/4"	2"	24 3/4"	23"	14 7/8"	20"	3/4"	1/4	1	80	140
SBRM-18	18 3/4"	33 3/4"	39 3/8"	2"	28"	22 5/8"	16 1/2"	24"	1"	1/4	2	105	190
SBRM-24	24"	37 1/2"	43 3/8"	2"	33"	30 5/8"	23 7/8"	28"	1"	1/2	5 *	160	270

* Motor adaptor plate required for 3HP+

OPTIONS

- Gravity damper (UL 705 only)
- Motorized damper (UL 705 only)
- Wall mount sleeve.
- Roof curb (vented & non-vented).
- Grease collection box.
- Bird screen (UL 705 only)
- Base hinging kit or hinged sub-base (for NFPA96 compliance)
- Disconnect switch

RELATED MODELS



SDUB
Direct Drive Upblast Spun Aluminum Exhauster



SB
Belt Drive Downblast Spun Aluminum Exhauster



SD
Direct Drive Downblast Spun Aluminum Exhauster

SDUB SERIES - DIRECT DRIVE UPBLAST SPUN ALUMINUM EXHAUSTERS



Canarm certifies that the SDUB Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP				
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP
SDUB-10	340	--	--	--
SDUB-12	450	75	--	--
SDUB-30	1150	850	300	--
SDUB-33	1100	750	--	--
SDUB-50	1750	1500	1100	--
SDUB-85	3100	2700	2200	1600

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

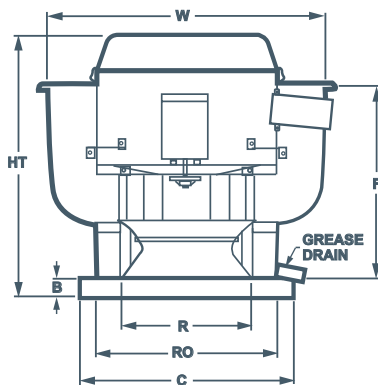
FEATURES

- Heavy duty construction, durable and weather resistant.
- Non-overloading backward inclined wheels, blades and inlets fabricated from 3003-H14 aluminum.
- Wall mount applications (all units)
- Variable speed motor control (single phase only).
- External disconnect switch - standard.
- Quick release latches for easy motor access.
- Optional grease collection box.
- ETL listed for compliance with UL 705 & UL 762 standards.



EXTERNAL DISCONNECT SWITCH BOX

DIMENSIONS



MODEL	WHEEL DIAMETER	HT	W	B	C	F	R	RO	MOTOR HP (115V)	UNIT WEIGHT (LBS)
SDUB-10	9"	14 1/2"	17 3/4"	2"	19"	9 1/2"	8 1/8"	15 1/2"	1/12	40
SDUB-12	10 1/2"	18"	22"	2"	19"	14 1/2"	10 5/8"	15 1/2"	1/7	40
SDUB-30	11 3/4"	24 3/4"	25 1/2"	2"	21"	18 1/2"	12 1/8"	17 1/2"	1/4	50
SDUB-33	11 3/4"	24 3/4"	25 1/2"	2"	21"	18 1/2"	12 1/8"	17 1/2"	1/3	50
SDUB-50	13 3/4"	26 3/4"	28 7/8"	2"	21"	21 1/2"	13 1/4"	17 1/2"	1/2	55
SDUB-85	15 3/4"	30 1/2"	31 7/8"	2"	24 3/4"	23"	14 7/8"	21"	3/4	60

OPTIONS

- Gravity damper (UL 705 only)
- Motorized damper (UL 705 only)
- Wall mount sleeve.
- Roof curb (vented & non-vented).
- Grease collection box.
- Bird screen (UL 705 only)
- Base hinging kit or hinged sub-base (for NFPA96 compliance)

RELATED MODELS



SBRM
Belt Drive Upblast Spun Aluminum Exhauster



SB
Belt Drive Downblast Spun Aluminum Exhauster



SD
Direct Drive Downblast Spun Aluminum Exhauster

SB SERIES - BELT DRIVE DOWNBLAST SPUN ALUMINUM EXHAUSTERS



Canarm certifies that the SB Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP					
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP
SB-13	2050	1600	--	--	--
SB-15	3400	2950	2400	--	--
SB-18	5000	4600	4200	3600	--
SB-24	9000	8500	7500	6500	5500

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

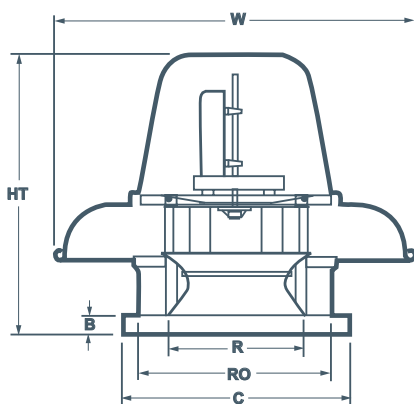
FEATURES

- Spun aluminum housing for dust-free, weather resistant durability.
- Non-overloading backward inclined wheels, blades and inlets fabricated from 3003-H14 aluminum.
- Wall mount applications; units up to 24" nominal wheel can be wall mounted.
- Standard bird screen.
- Disconnect switch box. (Switch sold separately.)
- Quick release latches for easy access to motor.



QUICK RELEASE LATCH FOR EASY MOTOR ACCESS

DIMENSIONS



MODEL	WHEEL DIAMETER	HT	W	B	C	R	RO	SHAFT DIAMETER	MINIMUM MOTOR HP	MAXIMUM MOTOR HP	UNIT WEIGHT (LBS)	
											Without motor & drives	With motor & drives
SB-13	13 3/4"	27 1/4"	29 5/8"	2"	21"	13 1/4"	16"	3/4"	1/4	1/2	40	105
SB-15	15 3/4"	30 5/8"	33 1/4"	2"	24 3/4"	14 7/8"	20"	3/4"	1/4	1	65	130
SB-18	18 3/4"	32 3/4"	38 1/4"	2"	28"	16 1/2"	24"	1"	1/4	2	90	190
SB-24	24 3/4"	37 3/4"	42 1/2"	2"	33"	23 7/8"	28"	1"	1/2	5 *	135	215

* Motor adaptor plate required for 3HP+

OPTIONS

- Gravity damper.
- Motorized damper.
- Wall mount sleeve.
- Roof curb.
- Disconnect switch.

RELATED MODELS



SBRM
Belt Drive Upblast Spun Aluminum Exhauster



SDUB
Direct Drive Upblast Spun Aluminum Exhauster



SD
Direct Drive Downblast Spun Aluminum Exhauster

SD SERIES - DIRECT DRIVE DOWNBLAST SPUN ALUMINUM EXHAUSTERS



Canarm certifies that the SD Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.



SPECIFICATIONS

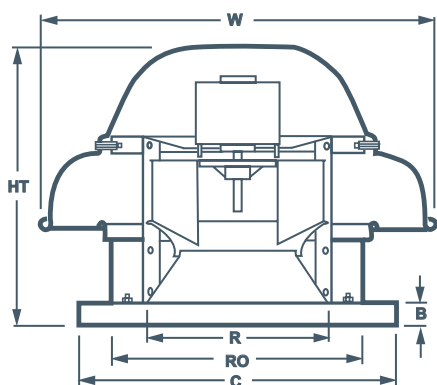
MODEL	TYPICAL MAXIMUM CFM @ SP				
	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP
SD-10	300	--	--	--	--
SD-12	450	75	--	--	--
SD-30	1150	850	300	--	--
SD-33	1100	750	--	--	--
SD-50	1750	1500	1100	--	--
SD-85	3100	2700	2200	1600	--

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

FEATURES

- Spun aluminum housing for dust-free, weather resistant durability
- Non-overloading backward inclined wheels, blades and inlets fabricated from 3003-H14 aluminum.
- All sizes can be wall mounted.
- Variable speed motor control with "off" setting
- Standard bird screen.
- Disconnect switch.

DIMENSIONS



MODEL	WHEEL DIAMETER	HT	W	B	C	R	RO	MOTOR HP (115V)	UNIT WEIGHT (LBS)
SD-10	9"	14 1/2"	20 3/4"	2"	19"	8 1/8"	13"	1/12	30
SD-12	10 1/2"	16 1/4"	23 3/4"	2"	19"	10 5/8"	13"	1/7	35
SD-30	11 3/4"	19 1/8"	26 1/4"	2"	21"	12 1/8"	16"	1/4	45
SD-33	11 3/4"	19 1/8"	26 1/4"	2"	21"	12 1/8"	16"	1/3	45
SD-50	13 3/4"	21 3/4"	29 3/4"	2"	21"	13 1/4"	16"	1/2	50
SD-85	15 3/4"	23 3/8"	33 1/4"	2"	24 3/4"	14 7/8"	20"	3/4	60

OPTIONS

- Gravity damper.
- Motorized damper.
- Wall mount sleeve.
- Roof curb.

RELATED MODELS



SBRM
Belt Drive Upblast Spun Aluminum Exhauster



SDUB
Direct Drive Upblast Spun Aluminum Exhauster



SB
Belt Drive Downblast Spun Aluminum Exhauster

EXPLOSION PROOF FANS	SD-XPF SERIES	
	Explosion Proof Standard Wall Exhaust Fans	D1
	AX SERIES	
	Explosion Proof Shutter Mounted Fans	D2
	P SERIES	
	Explosion Proof Panel Mounted Fans	D3

EXPLOSION PROOF STANDARD WALL EXHAUST FANS

Efficient, low maintenance and easy to install.

Canarm LFI's explosion proof fans follow a tradition of quality in design, materials and construction. Using our quality "Standard Fan" housing and motor mount as the basis for design, we have developed an efficient, economically priced Explosion Proof Fan. All Explosion Proof Fans have a single speed, dual voltage explosion proof motor that meets and conforms to all the standards that are listed below.

- CLASS I, GROUP C** Atmospheres containing ethyl ether, ethylene, gases or vapors of equivalent hazard.
- CLASS I, GROUP D** Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, natural gas, naphtha, propane, or gasses or vapors of equivalent hazard.
- CLASS II GROUP F** Atmospheres containing carbonaceous dust, including carbon black, charcoal, coal, or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.
- CLASS II GROUP G** Atmospheres containing combustible dusts not included in group E or F, including flour, grain, wood, plastic and chemicals.



FRONT VIEW

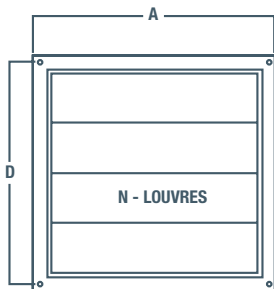
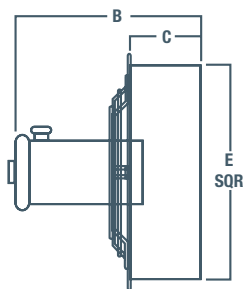


FEATURES

- Totally enclosed, ball bearing motor with thermal overload protection.
- The fan blades are well-balanced, heavy gauge aluminum.
- The rugged steel welded box housing has a durable powder coated finish.
- Aluminum louver shutters are supported by long life nylon bushings.
- Heavy wire chrome plated OSHA guards on intake side of fan.
- All fans are shipped completely assembled.

DIMENSIONS

FAN SIZE	A X A SQUARE	B	C	D c/c	E	N
8"	13 1/4"	17 1/2"	4"	12"	10 3/4"	2
10"	15 1/4"	17 1/2"	4"	14"	12 3/4"	2
12"	17 1/4"	20 1/2"	6"	16"	14 3/4"	3
18"	23 1/4"	20 1/2"	6"	22"	20 3/4"	4
24"	29 1/4"	20 1/2"	6"	28"	26 3/4"	5



4 MOUNTING HOLES
.375" DIAMETER

SPECIFICATIONS

MODEL	FAN SIZE	HP	VOLTS	AMPS	SPEED	RPM	AIRFLOW CAPACITY - CFM				FRAMING DIMENSIONS	WEIGHT (LBS)
							0" SP	.05" SP	.10" SP	.25" SP		
SD08-XPf	8"	1/3	115/230	6.6/3.3	Single	1625	320	280	240	-	11" X 11"	38
SD10-XPf	10"	1/3	115/230	6.6/3.3	Single	1625	620	575	530	-	13" X 13"	39
SD12-XPf	12"	1/3	115/230	6.6/3.3	Single	1625	1,640	1,600	1,540	1,390	15" x 15"	42
SD18-XPf	18"	1/3	115/230	6.6/3.3	Single	1625	3,200	3,150	3,090	2,920	21" x 21"	60
SD24-XPf	24"	1/3	115/230	6.6/3.3	Single	1625	5,500	5,400	5,310	5,100	27" x 27"	72



NOTE: RPM Min (Minimum) is determined when louvres are opened one inch.
Note: Wind has a significant effect on exhaust fans. A 10 mph wind creates a 0.05" pressure against the fan. A 20 mph wind creates 0.20" pressure and 30 mph a 0.45" pressure. These pressures are in addition to the static pressure in the building. Wind blocks or hoods should be included in all designs where fans will be subjected to winds above 10 mph.

ACCESSORIES

- Hoods

For a complete listing of all available hoods, see page C11 in Wall Mount Ventilation section.



BACK VIEW



BACK VIEW

AX - EXPLOSION PROOF SHUTTER MOUNTED FANS

Designed for Industrial, Commercial & Farming applications.

The AX series exhaust fan is a sturdily constructed, direct drive, horizontal discharge fan that is typically use for general ventilation of factories, garages, warehouses and other industrial or commercial buildings. The AX Explosion Proof Fans have a single speed, dual voltage explosion proof motor that meets and conforms to all the standards that are listed below.

The AX series housings are constructed of heavy duty aluminum with built in shutters that automatically open when the fan starts and gravity closes when the fan stops.

CLASS I, GROUP C Atmospheres containing ethyl ether, ethylene, gases or vapors of equivalent hazard.

CLASS I, GROUP D Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, natural gas, naphtha, propane, or gasses or vapors of equivalent hazard.

CLASS II GROUP F Atmospheres containing carbonaceous dust, including carbon black, charcoal, coal, or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.

CLASS II GROUP G Atmospheres containing combustible dusts not included in group E or F, including flour, grain, wood, plastic and chemicals.



FEATURES

- Sturdily constructed from all-aluminum extrusions.
- 12" - 24" models have heavy wire chrome plated OSHA guards on intake side of fan.
- Totally enclosed, ball bearing motor with thermal overload protection.
- Ships fully assembled.

SPECIFICATIONS

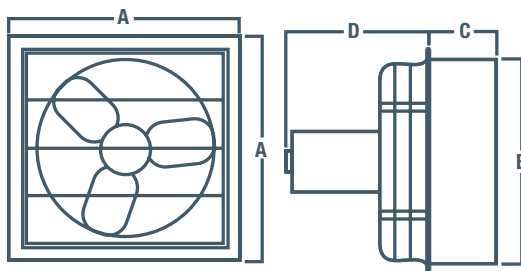
SINGLE PHASE	THREE PHASE	BLADE DIAMETER	RPM	HP (SINGLE PHASE)	VOLTAGE (SINGLE PHASE)	AMPS (FLA) (SINGLE PHASE)	WEIGHT (LBS)	dB(A) @5 ft	CFM @ STATIC PRESSURE				FRAMING DIMENSIONS
									0.00"	0.10"	0.125"	0.25"	
SINGLE SPEED EXPLOSION PROOF FANS (Explosion Proof Motors are DIVISION 1 - CLASS 1 - GROUP C & D and CLASS 2 - GROUP F & G)													
AX12-4**	AX12-4*	12"	1725	1/3	115/208-230	6.6/3.1-3.3	49	63	1670	1600	1575	1450	14" X 14"
AX14-4**	AX14-4*	14"	1725	1/3	115/208-230	6.6/3.1-3.3	49	67	2190	2080	2000	1950	16" X 16"
AX16-4**	AX16-4*	16"	1725	1/3	115/208-230	6.6/3.1-3.3	51	68	2580	2480	2430	2270	18" X 18"
AX18-4**	AX18-4*	18"	1725	1/3	115/208-230	6.6/3.1-3.3	56	73	3200	3050	2950	2625	20" X 20"
AX20-4**	AX20-4*	20"	1725	1/3	115/208-230	6.6/3.1-3.3	57	77	3640	3440	3360	3140	22" X 22"
AX24-4**	AX24-4*	24"	1725	1/3	115/208-230	6.6/3.1-3.3	57	77	5520	5410	5330	5130	26" X 26"

For three phase motors, substitute "**" with "M" for 230/460 volt or "P" for 575 volt
Other voltages in single or three phase are available. 50HZ voltages are available. Consult factory.
** Only these motors are cETLus approved.

DIMENSIONS

MODEL	A	B	C	D
AX12-4	16 3/4"	13 3/4"	5"	13 3/4"
AX14-4	18 3/4"	15 3/4"	5"	13 3/4"
AX16-4	20 3/4"	17 3/4"	5"	13 3/4"
AX18-4	22 3/4"	19 3/4"	5"	14"
AX20-4	24 3/4"	21 3/4"	5"	14"
AX24-4	28 3/4"	25 3/4"	5"	13 3/4"

Explosion Proof Motor, 50 Hz or 3 phase



FRONT VIEW

ACCESSORIES

- Thermostats
- Front guard
- Weather hoods

For a complete listing of accessories, see page C15 in Wall Mount Ventilation section.
For a complete listing of hoods, see page C11 in Wall Mount Ventilation section.
For all available control options, see Controls & Thermostats section.



P - EXPLOSION PROOF PANEL MOUNTED FANS

Designed for Industrial, Commercial & Farming applications.

The P series exhaust fan is a sturdily constructed, direct drive, horizontal discharge fan that is typically used for industrial, commercial and farming applications. The P Explosion Proof Fans have a single speed, dual voltage explosion proof motor that meets and conforms to all the standards that are listed below.

**P4 SERIES
EXPLOSION PROOF MOTOR**



- CLASS I, GROUP C** Atmospheres containing ethyl ether, ethylene, gases or vapors of equivalent hazard.
- CLASS I, GROUP D** Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, natural gas, naphtha, propane, or gasses or vapors of equivalent hazard.
- CLASS II GROUP F** Atmospheres containing carbonaceous dust, including carbon black, charcoal, coal, or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.
- CLASS II GROUP G** Atmospheres containing combustible dusts not included in group E or F, including flour, grain, wood, plastic and chemicals.

FEATURES

- Sturdily constructed direct drive, horizontal discharge fan.
- Durable powder coated finish.
- 12" - 24" models have heavy wire chrome plated OSHA guards on intake side of fan.
- Totally enclosed, ball bearing motor with thermal overload protection.

SPECIFICATIONS

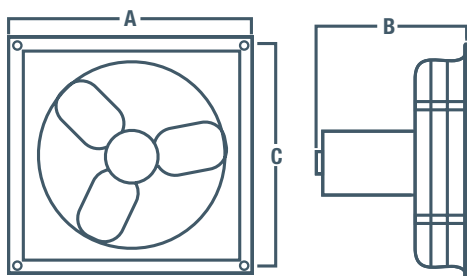
SINGLE PHASE	THREE PHASE	BLADE DIAMETER	RPM	HP (SINGLE PHASE)	VOLTAGE (SINGLE PHASE)	AMPS (FLA) (SINGLE PHASE)	WEIGHT (LBS)	dB(A) @5 ft	CFM @ STATIC PRESSURE					
									0.00"	0.10"	0.125"	0.25"		
SINGLE SPEED EXPLOSION PROOF FANS (Explosion Proof Motors are DIVISION 1 - CLASS 1 - GROUP C & D and CLASS 2 - GROUP F & G)														
P12-4**	P12-4*	12"	1725	1/3	115/230	6.6/3.1-3.3	49	63	1670	1600	1575	1450		
P14-4**	P14-4*	14"	1725	1/3	115/230	6.6/3.1-3.3	49	67	2190	2080	2000	1950		
P16-4**	P16-4*	16"	1725	1/3	115/230	6.6/3.1-3.3	51	68	2580	2480	2430	2270		
P18-4**	P18-4*	18"	1725	1/3	115/230	6.6/3.1-3.3	56	73	3200	3050	2950	2625		
P20-4**	P20-4*	20"	1725	1/3	115/230	6.6/3.1-3.3	57	77	3640	3440	3360	3140		
P24-4**	P24-4*	24"	1725	1/3	115/230	6.6/3.1-3.3	57	77	5520	5410	5330	5130		

For three phase motors, substitute "**" with "M" for 230/460 volt or "P" for 575 volt
Other voltages in single or three phase are available. 50HZ voltages are available. Consult factory.
** Only these motors are cETLus approved.

DIMENSIONS

MODEL	A X A SQUARE	B	C c/c
P12-4	17 1/4"	13 3/4"	16"
P14-4	19 1/4"	13 3/4"	18"
P16-4	21 1/4"	13 3/4"	20"
P18-4	23 1/4"	14"	22"
P20-4	25 1/4"	14"	24"
P24-4	29 1/4"	13 3/4"	28"

Explosion Proof Motor, 50 Hz or 3 phase



ACCESSORIES

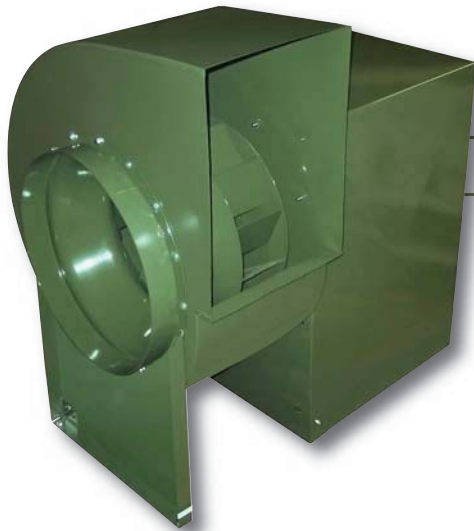
- Front guards*
- Wall sleeve*
- Thermostats
- Backdraft dampers*
- Weather hoods

For a complete listing of accessories, see page C15 in Wall Mount Ventilation section.
For a complete listing of hoods, see page C11 in Wall Mount Ventilation section.
For all available control options, see Controls & Thermostats section.

***Consult factory to have accessories installed.**

UTILITY, PRESSURE & RADIAL BLOWERS

BI & BI-RM SERIES Belt Drive Utility Blowers	E1 - E2
400 SERIES FC Exhauster Belt Drive Utility Blower	E3
600 SERIES FC Exhauster Belt Drive Utility Blower	E4
PW SERIES Direct Drive Pressure Blower	E5
KE SERIES Direct Drive Radial Blade Blower	E6
D SERIES Direct Drive Forward Curved Blower	E7
D500 SERIES Direct Drive Utility Blowers	E8
U SERIES Portable Utility Fan & Smoke Ejector	E9
U SERIES - HEAVY DUTY MODELS Portable Utility Fan & Smoke Ejector	E10
Accessories	E11
PLASTEC SERIES Polypropylene Blowers	E12
JET SERIES Polypropylene Inline Fans	E13
STORM SERIES Polypropylene Blowers	E14
IB SERIES Poly Inflation Blowers	E15



BI SERIES



MOTOR AND DRIVE COMPARTMENT WITH COVER REMOVED TO ILLUSTRATE 3 SIDE MOTOR ACCESS AND SLOPED MOTOR BASE FOR BELT TENSIONING.

FEATURES - BI SERIES

- Complete range of sizes from 10" to 36".
- Full AMCA Class 1 Operation.
- Non-overloading backward inclined (BI) welded wheels.
- Aluminum wheel - (AMCA type B classification for spark resistant construction) - available as an option.
- Discharge position can be field rotated to any of 8 discharge positions.
- Counter clock wise rotation is standard. Clock wise available.
- Outlet flanges on models BI-24 to BI-36.
- Temperature Ratings - without a heat slinger 250° F with a heat slinger, steel wheel 400° F, aluminum wheel 300° F.
- Motor access from 3 sides.
- Sloped motor base for ease of motor installation.
- Vented motor and drive compartment cover, with handles, for safety & weather protection.
- 16 gauge or heavier blower housing.
- Heavy duty pillow block ball bearings.



Canarm certifies that the BI Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Programme.



PERFORMANCE SPECIFICATIONS

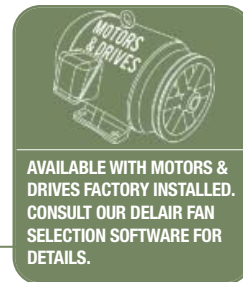
TYPICAL MAXIMUM CFM @ SP							
MODEL	1" SP	2" SP	3" SP	4" SP	5" SP	Min HP	Max HP
BI-10	2300	2100	1700	1500	1300	1/2	2
BI-13	4000	3700	3400	3000	2600	1/2	5
BI-16	5800	5400	4900	4300	3700	3/4	7 1/2
BI-18	7300	6800	6200	5600	4700	3/4	7 1/2
BI-20	8500	8000	7200	6500	5200	1	7 1/2
BI-24	13000	12000	11000	10000	8000	1 1/2	15
BI-27	16000	15000	14000	12500	11000	1.5	15
BI-30	18000	17000	16000	14000	12000	2	15
BI-36	28000	26000	24000	22000	19000	3	25

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories). CFM values listed above are summarized for convenience.

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR



Canarm certifies that the BI Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Programme.



FEATURES - BI-RM SERIES

- UL 762 Listed for removal of cooking vapours.
- Meets NFPA 96 guidelines.
- Upblast discharge directs exhaust away from roof.
- Integral handles for single person removal of motor and drive compartment cover.
- Continuously welded 16 gauge or heavier blower housing.
- Bolted clean out door.
- 2" drain for easy removal of cleaning solutions.
- Complete range of sizes from 10" to 36".
- Vinyl shaft seal.

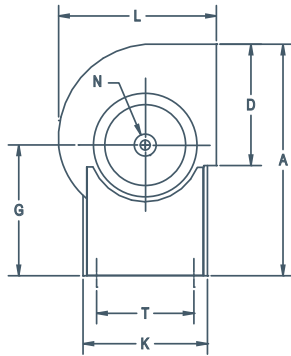
UL762 UL762 certified, refer to our UL762 Catalogue page B in Roof Mount Ventilation for all installation requirements

BI-RM SERIES

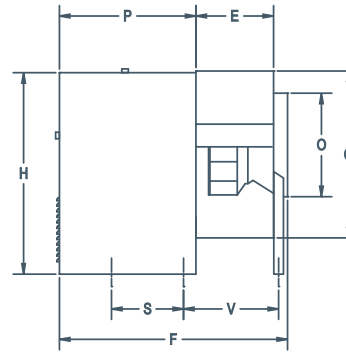
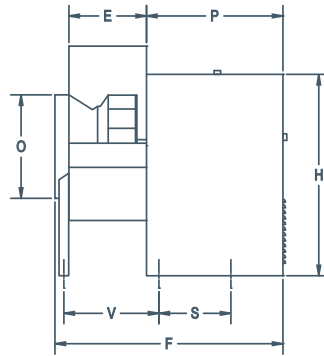
BI & BI-RM SERIES

Belt Drive Utility Blowers

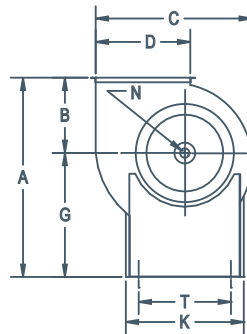
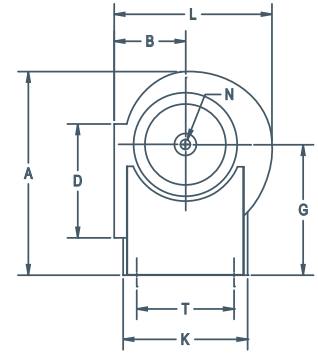
DIMENSIONS



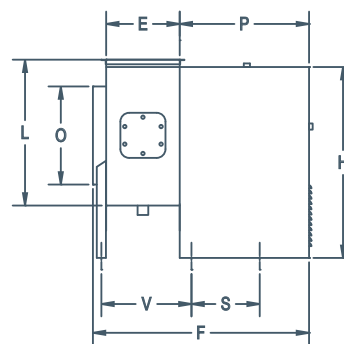
MODELS BI-10 TO BI-27
(STANDARD TOP HORIZONTAL DISCHARGE)



MODELS BI-30 TO BI-36
(STANDARD BOTTOM HORIZONTAL DISCHARGE)



MODELS BI-RM-10 TO BI-RM-24
(UL 762 LISTED FOR REMOVAL OF COOKING VAPOURS)



MODEL	OUTLET																UNIT WEIGHT (LBS) (without motors & drives)	
	A (STANDARD MODELS)	A (BI-RM MODELS)	B	C	D	E	F	G	H	K (CABINET WIDTH)	L	SHAFT DIA. N	INLET O	P	S	T		V
BI-10	26 3/4"	23 5/8"	8 3/8"	18 15/16"	11 5/16"	8 1/4"	27 3/4" No Leg on BI-10	15 1/4"	21 5/16"	13 3/16"	17 3/8"	3/4"	11"	17 1/4"	11 3/4"	11 7/16"	--	78
BI-13	34 5/16"	30 13/16"	10 3/4"	24 1/2"	14 3/8"	10 3/4"	34 1/8"	20 1/16"	29 1/8"	16 9/16"	22 1/2"	1"	14 3/8"	21 1/8"	11 1/2"	14 11/16"	14"	134
BI-16	39 3/8"	34 11/16"	12 11/16"	29 7/8"	17 5/8"	13 1/8"	36 1/2"	22"	31"	16 9/16"	26 7/8"	1 3/16"	17 3/8"	21 1/8"	11 1/2"	14 11/16"	16 3/8"	162
BI-18	41 1/4"	35 13/16"	13 13/16"	33"	19 3/8"	14 1/2"	37 7/8"	22"	31"	16 9/16"	29 5/8"	1 3/16"	19 3/8"	21 1/8"	11 1/2"	14 11/16"	17 3/4"	172
BI-20	49 1/8"	42 15/16"	14 15/16"	36 1/4"	21 1/4"	15 3/4"	46 7/16"	28"	40 7/8"	25 1/4"	32 1/4"	1 3/16"	21 1/4"	27 11/16"	14 5/8"	22 3/4"	19 3/4"	289
BI-24	57 7/8"	49 13/16"	17 13/16"	44 3/8"	26"	19 3/8"	51 5/16"	32"	46 1/2"	28 15/16"	39"	1 7/16"	26"	28 15/16"	18 5/16"	25 1/2"	23 3/8"	385
BI-27	60 1/2"	51 7/16"	19 7/16"	48 7/8"	28 5/8"	21 1/4"	53 3/16"	32"	46 1/2"	28 15/16"	42 3/4"	1 7/16"	28 5/8"	28 15/16"	18 5/16"	25 1/2"	25 1/4"	411
BI-30	65 15/16"	68 3/16"	24 7/8"	54 7/16"	31 3/4"	23 5/8"	57 5/8"	43 5/16"	64 3/4"	43 3/8"	50 3/4"	1 11/16"	31 3/4"	32"	17"	41"	28 9/16"	517
BI-36	70 15/16"	68 15/16"	25 1/2"	66 1/16"	38 5/8"	28 3/4"	62 3/4"	43 7/16"	64 3/4"	43 3/8"	57"	1 15/16"	38 3/4"	32"	17"	41"	33 11/16"	747

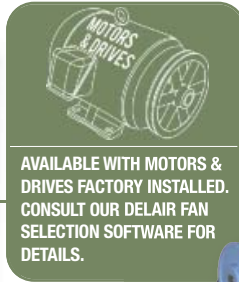
ACCESSORIES

- V-Cap
- Bolted Clean Out Door
- Heat Slinger
- Vibration Isolators

- Shaft Seal
- Corrosion Resistant Coating
- Aluminum Wheel
- Back Draft Dampers

- Inlet & Outlet Screens
- 2" Drain Fitting

For more information on Accessories, see page B13 in Roof Mount Ventilation section.



AVAILABLE WITH MOTORS & DRIVES FACTORY INSTALLED. CONSULT OUR DELAIR FAN SELECTION SOFTWARE FOR DETAILS.



OPTIONAL 1 TO 15 HP MOTOR PLATFORM FOR MODELS 420, 422 & 425

400 SERIES

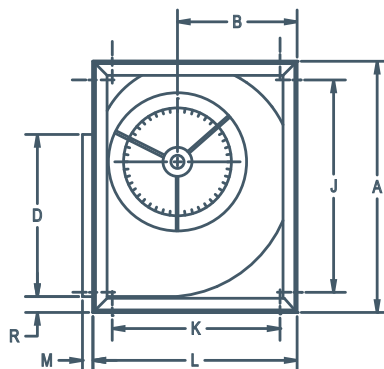
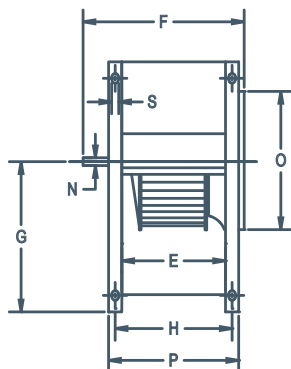
FC Exhauster Belt Drive Utility Blower

FEATURES

- Universal frame allows for choice of discharge position.
- Multiple choice for motor mounting location with each discharge position.
- Motor mounting hardware supplied with models 407 to 418.
- Optional platform for models 420 to 425.
- Keywayed shafts
- Spider bearing brackets for models 407 - 418. Pillow block bearings with T bar support for models 420, 422 & 425.
- Ball bearings suitable for -65° to + 250° F.
- Optional back draft dampers, inlet & outlet screens and belt guards.
- Shafts 420, 422 & 425 models are keywayed for wheels and pulleys (407 to 418 models for pulleys only).

DIMENSIONS

MODEL	A	B	D	E	F	G	H	J	K	L	M	N	O	P	R	S	WHEEL DIAMETER	WHEEL WIDTH	UNIT WEIGHT (LBS) (without motor)
407	14 1/4"	6 1/2"	8 3/8"	6 7/8"	11 5/8"	8 5/8"	8"	11 1/16"	8 7/8"	11 3/4"	3/4"	3/4"	9"	9"	1 1/2"	7/16"	8 1/26"	4 15/16"	16
409	17 1/4"	7 15/16"	10 1/4"	9 3/16"	13 15/16"	10 1/8"	10 5/16"	14 5/8"	11 3/4"	14 1/2"	3/4"	3/4"	10"	11 5/16"	1 1/2"	7/16"	9 13/16"	7 3/16"	23
410	19 1/8"	9"	11 3/8"	9 3/16"	13 15/16"	11 1/4"	10 5/16"	16 1/4"	13 1/2"	16 1/4"	3/4"	3/4"	12"	11 5/16"	1 1/2"	7/16"	11 1/8"	7 3/16"	26
412	22 1/4"	10 9/16"	13 1/2"	9 3/16"	13 15/16"	13"	10 5/16"	19 5/8"	16 1/4"	19"	3/4"	3/4"	14"	11 5/16"	1 1/2"	7/16"	12 7/8"	7 3/16"	30
415	29 3/4"	14 3/4"	17"	12 1/2"	17 3/8"	18 1/8"	13 3/4"	27 1/4"	22 5/8"	25 1/4"	3/4"	1"	17"	14 3/4"	1 1/2"	7/16"	15 1/2"	9 9/16"	56
418	30 3/4"	14 15/16"	18 7/8"	14"	20 3/8"	17 3/4"	15 5/8"	28 1/2"	24"	26 1/2"	3/4"	1"	18"	17 1/4"	1 1/2"	7/16"	18 1/2"	10 13/16"	87
420	38"	18 5/16"	24 3/4"	15 3/4"	24 1/4"	22 9/16"	17 1/4"	32 7/16"	25 7/16"	31 1/4"	1 1/2"	1 3/16"	21"	19 3/4"	2"	5/8"	20 7/16"	10 1/4"	189
422	41 1/2"	20 1/16"	27 1/4"	17 1/8"	25 5/8"	24 5/8"	18 5/8"	35 31/32"	28 15/32"	34 1/4"	1 1/2"	1 3/16"	22 1/2"	21 1/8"	2"	5/8"	22 1/8"	11 1/4"	214
425	46 3/4"	22 5/8"	31 1/4"	19 5/8"	28 1/2"	27 3/4"	21 1/8"	41 7/32"	32 17/32"	38 3/8"	1 1/2"	1 3/16"	26 3/4"	23 5/8"	2"	5/8"	25 1/4"	13"	252



PERFORMANCE SPECIFICATIONS

MODEL	TYPICAL MAXIMUM CFM @ SP					
	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP	Max HP
407	1000	900	800	700	500	1
409	2100	2000	1900	1850	1750	2
410	2600	2400	2300	2150	2050	2
412	3250	3000	2850	2700	2600	2
415	5260	4850	4500	4150	3550	3
418	6700	6300	5950	5550	5200	5
420	9300	8850	8500	8000	7700	7 1/2
422	10300	9750	9200	8600	8000	7 1/2
425	14300	13400	12550	11850	11400	10

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

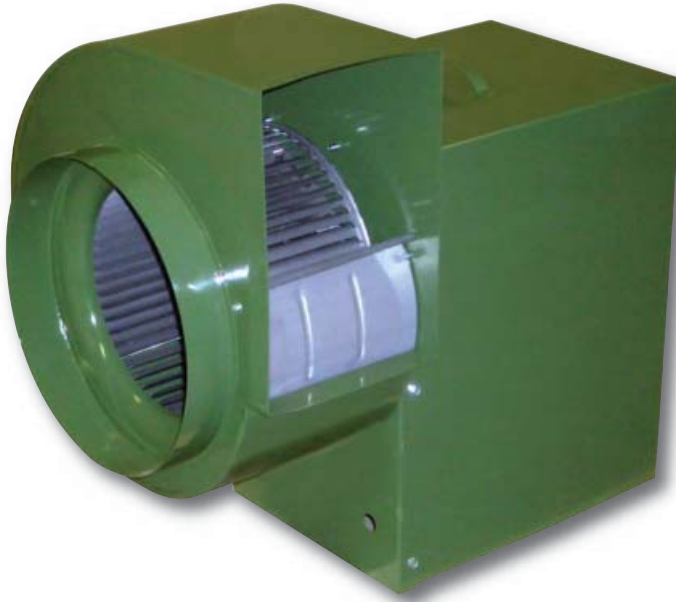
CFM values listed above are summarized for convenience.

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

ACCESSORIES

- Back Draft Dampers
- Inlet & Outlet Screens
- Corrosion Resistant Finishes
- Vibration Isolation
- Belt Guard

For more information on available accessories, see page B13 in Roof Mount Ventilation section.



MOTORS & DRIVES

AVAILABLE WITH MOTORS & DRIVES FACTORY INSTALLED. CONSULT OUR DELAIR FAN SELECTION SOFTWARE FOR DETAILS.



Canarm certifies that the 600 Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 and comply with the requirements of the AMCA Certified Ratings Programme.

600 SERIES

FC Exhauster Belt Drive Utility Blower

MOTOR AND DRIVE COMPARTMENT WITH COVER REMOVED TO ILLUSTRATE 3 SIDE MOTOR ACCESS AND SLOPED MOTOR BASE FOR BELT TENSIONING.



FEATURES

- Standard, vented motor and drive compartment cover with handles for safety and weather protection.
- Sliding motor base for belt tension adjustment.
- Standard top horizontal discharge position can be easily rotated to any of 8 positions.
- Keywayed shaft.
- Outlet flanges on models 620, 622 & 625.
- Available in CW or CCW rotation.
- Shafts for 620, 622 & 625 models are keywayed for wheels and pulleys (610 to 618 models for pulleys only).
- Heavy duty pillow block ball bearings.

PERFORMANCE SPECIFICATIONS

MODEL	TYPICAL MAXIMUM CFM @ SP						Min HP	Max HP
	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP			
610	2600	2400	2300	2150	2050	1/6	2	
612	3250	3000	2850	2700	2600	1/3	2	
615	5260	4850	4500	4150	3550	1/3	3	
618	6700	6300	5950	5550	5200	1/2	5	
620	9300	8850	8500	8000	7700	1/2	7 1/2	
622	10300	9750	9200	8600	8000	1/2	7 1/2	
625	14300	13400	12550	11850	11400	1	10	

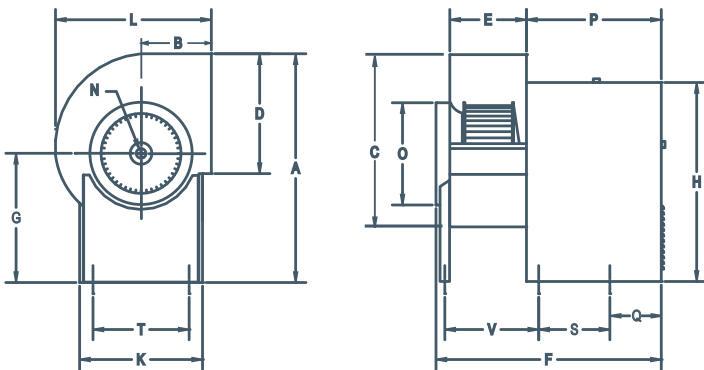
Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

CFM values listed above are summarized for convenience.

FOR FAN CURVES & FULL PERFORMANCE DATA, CONSULT OUR DELAIR SOFTWARE. DOWNLOAD DELAIR @ WWW.CANARM.COM/DELAIR

DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	K	L	N	O	P	Q	S	T	V	WHEEL DIAMETER	WHEEL WIDTH	UNIT WEIGHT (LBS) (without motor)
610	24 13/16"	8"	17 7/16"	11 3/8"	9 3/16"	28 9/16"	15 1/16"	21 5/16"	13 3/16"	16 3/4"	3/4"	12"	17 1/4"	3 3/4"	11 3/4"	11 7/16"	--	11 1/8"	7 3/16"	57
612	26 9/16"	9 1/8"	20 1/4"	13 7/16"	9 3/16"	28 9/16"	15 1/16"	21 5/16"	13 3/16"	19 1/2"	3/4"	14"	17 1/4"	3 3/4"	11 3/4"	11 7/16"	--	12 7/8"	7 3/16"	60
615	36 3/4"	11 1/4"	28 1/16"	17"	12 1/2"	35 7/8"	20 1/16"	29 1/8"	16 9/16"	25 15/16"	1"	17"	21 1/8"	--	11 1/2"	14 11/16"	15 5/8"	15 1/2"	9 9/16"	124
618	36 5/16"	12 3/8"	28 7/8"	18 7/8"	14"	37 3/8"	20 1/16"	29 1/8"	16 9/16"	27"	1"	18"	21 1/8"	--	11 1/2"	14 11/16"	17 1/8"	18 1/2"	10 13/16"	144
620	48 9/16"	14 7/16"	35 3/4"	24 3/4"	15 3/4"	46 7/16"	28"	40 7/8"	25 1/4"	32 7/16"	1 3/16"	21"	27 11/16"	--	14 5/8"	22 1/2"	18 7/8"	20 7/16"	10 1/4"	278
622	50 9/16"	15 11/16"	39 3/8"	27 1/4"	17 1/8"	47 13/16"	28"	40 7/8"	25 1/4"	35 1/2"	1 3/16"	22 1/2"	27 11/16"	--	14 5/8"	22 1/2"	20 1/4"	22 1/8"	11 1/4"	296
625	53 11/16"	17 1/4"	44 3/8"	31 1/4"	19 5/8"	50 5/16"	28"	40 7/8"	25 1/4"	39 5/8"	1 3/16"	26 3/4"	27 11/16"	--	14 5/8"	22 1/2"	22 3/4"	25 1/4"	13"	329



ACCESSORIES

- Back Draft Dampers
- Inlet & Outlet Screens
- Corrosion Resistant Finishes
- Bolted Clean Out Door / 2" Drain Fitting
- Heat Slinger
- Shaft Seal (vinyl or polyethylene)
- Vibration Isolation

For more information on available accessories, see page B13 in Roof Mount Ventilation section.



PW SERIES

Direct Drive Pressure Blower

For high static applications.
Ideal for moving non-abrasive particles such as dust or fume exhaust.

FEATURES

- Wheels are constructed of heavy cast aluminum with straight radial blades.
- Wheels are self cleaning, dynamically balanced and designed for efficient operations.
- Welded 16 gauge steel housings and motor bases.
- TEFC motors are standard.
- Comes as clockwise rotation, bottom horizontal discharge (can be rotated at 45°+ increments).

PERFORMANCE SPECIFICATIONS

MODEL			H.P.	MOTOR FRAME	RPM	CFM @ STATIC PRESSURE																dBA @ 5 FT
SINGLE PHASE	THREE PHASE 208/230/460	THREE PHASE 575				1/4"	1/2"	1"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	7"	8"	9"	10"	11"	
PW-8S	PW-8M	PW-8P	1/3	56	3600	283	274	256	237	216	192	165	129	70	--	--	--	--	--	--	--	74
PW-9S	PW-9M	PW-9P	3/4	56	3600	475	465	445	423	399	374	346	316	282	195	--	--	--	--	--	--	77
PW-11S	PW-11M	PW-11P	1.5	56	3600	786	772	746	719	692	664	635	606	575	508	431	329	--	--	--	--	84
PW-12S	PW-12M	PW-12P	3	182T	3600	1185	1171	1145	1117	1090	1062	1033	1004	974	911	842	765	672	549	--	--	90
PW-14S	PW-14M	PW-14P	5	182T	3600	--	--	--	--	--	--	--	--	--	1685	1587	1482	1367	1236	1081	874	474
PW-14S-7.5**	PW-14M-7.5**	PW-14P-7.5**	7.5	213	3600	2100	2070	2037	1995	1952	1909	1866	1822	1777	1685	1587	1482	1367	1236	1081	874	474

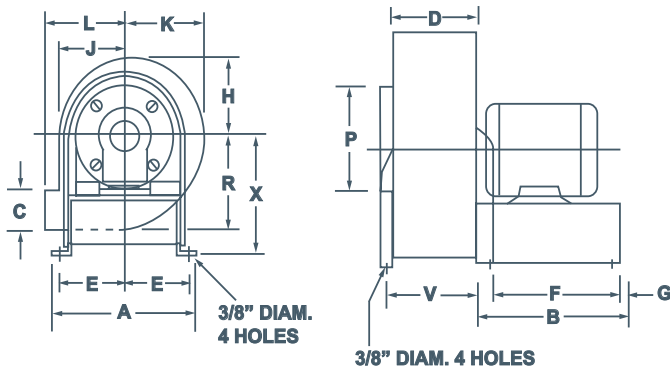
MODEL PW: EXPLOSION PROOF DIRECT DRIVE PRESSURE BLOWERS																						
PW-8SX	PW-8MX	--	1/3	56	3600	283	274	256	237	216	192	165	129	70	--	--	--	--	--	--	--	74
PW-9SX	PW-9MX	--	3/4	56	3600	475	465	445	423	399	374	346	316	282	195	--	--	--	--	--	--	77
PW-11SX	--	--	1.5	56	3600	786	772	746	719	692	664	635	606	575	508	431	329	--	--	--	--	84
--	PW-11MX**	PW-12PX**	1.5	143T	3600	786	772	746	719	692	664	635	606	575	508	431	329	--	--	--	--	84
PW-12SX	PW-12MX	PW-12PX	3	182T	3600	1185	1171	1145	1117	1090	1062	1033	1004	974	911	842	765	672	549	--	--	90
PW-14SX	PW-14MX	PW-14PX	5	182T	3600	--	--	--	--	--	--	--	--	--	1685	1587	1482	1367	1236	1081	874	474
PW-14SX-7.5**	PW-14MX-7.5**	PW-14PX-7.5**	7.5	213	3600	2100	2070	2037	1995	1952	1909	1866	1822	1777	1685	1587	1482	1367	1236	1081	874	474

* Fan should not be run at static pressure less than shown in above table, motor overload will result. dBA ratings shown are measured at 0" static pressure, and should be used as a guideline only.

** Special order models.

DIMENSIONS

BLOWER	WHEEL	A	B	C	D	E	F	G	H	J	K	L	P	R	X	V
PW-8	7 3/4" x 2 1/4"	11"	8"	3"	3"	5"	7"	1/2"	5 3/8"	4 7/8"	5 7/8"	5 7/8"	4"	6 5/8"	9"	--
PW-9	9" x 2 3/4"	12 1/8"	8"	3 1/2"	3 1/2"	5 5/8"	7"	1/2"	6 3/8"	5 3/4"	6 7/8"	6 3/4"	5"	7 1/2"	9 7/8"	--
PW-11	10 5/8" x 3"	14 3/4"	9"	4"	3 1/2"	6 7/8"	7 1/2"	3/4"	7 1/4"	6 1/2"	8"	7 5/8"	6"	8 5/8"	11 3/4"	--
PW-12	12 1/2" x 3"	17"	8"	5"	4"	8"	6 1/2"	3/4"	8 1/4"	7 1/2"	9"	9 5/8"	7"	10"	10 5/8"	--
PW-14	13 1/2" x 4 3/8"	17 5/8"	11 1/4"	7 1/8"	5 3/4"	8"	9 3/4"	1"	10 1/2"	9 5/8"	11 3/8"	11"	8"	11 1/2"	12 5/8"	7 1/4"



RELATED PRODUCTS



KE SERIES
Direct Drive Radial Blade Blowers



D SERIES
Direct Drive Forward Curved Blowers



KE SERIES

Direct Drive Radial Blade Blower

For high static applications or greenhouse inflation or exhaust.
Ideal for environments where air is laden with dust, grit or any other lightweight foreign material.

FEATURES

- Wheels are constructed of heavy cast aluminum with straight radial blades.
- Wheels are self cleaning, dynamically balanced and designed for efficient operations.
- Welded 16 gauge steel housings and motor bases.
- TEFC motors are standard.
- Comes as clockwise rotation, bottom horizontal discharge (can be rotated at 45° increments).

PERFORMANCE SPECIFICATIONS

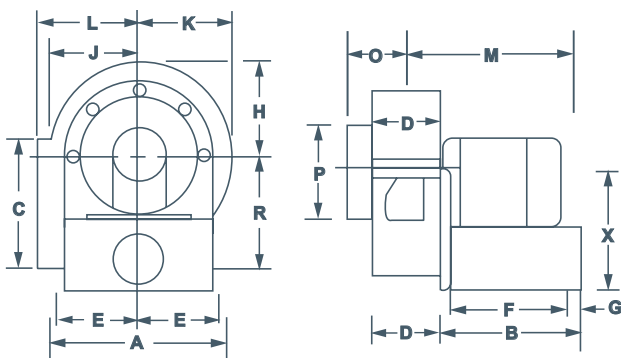
MODEL						CFM @ STATIC PRESSURE														dBA @ 5 FT
SINGLE PHASE	THREE PHASE 208/230/460	THREE PHASE 575	H.P.	MOTOR FRAME	RPM	0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"		
KE-08S	KE-08M	KE-08P	1/3	56	1750	550	510	470	425	365	275	150	--	--	--	--	--	--	64	
KE-09S	KE-09M	KE-09P	1/3	56	1750	880	825	765	705	635	565	480	200	--	--	--	--	--	69	
KE-11S	KE-11M	KE-11P	1/2	56	1750	1430	1380	1335	1275	1225	1165	1100	945	730	430	--	--	--	75	
KE-12S	KE-12M	KE-12P	1	56	1750	2375	2300	2220	2140	2060	1975	1890	1700	1485	1185	750	350	--	79	
KE-14S	KE-14M	KE-14P	2	145T	1750	3420	3325	3230	3125	3025	2925	2820	2595	2350	2045	1620	1010	640	81	
MODEL KE: EXPLOSION PROOF DIRECT DRIVE RADIAL BLADE BLOWERS																				
KE-08SX	KE-08MX	KE-08PX	1/3	56	1750	550	510	470	425	365	275	150	--	--	--	--	--	--	64	
KE-09SX	KE-09MX	KE-09PX	1/3	56	1750	880	825	765	705	635	565	480	200	--	--	--	--	--	69	
KE-11SX	KE-11MX	KE-11PX	1/2	56	1750	1430	1380	1335	1275	1225	1165	1100	945	730	430	--	--	--	75	
KE-12SX	KE-12MX	KE-12PX	1	56	1750	2375	2300	2220	2140	2060	1975	1890	1700	1485	1185	750	350	--	79	
KE-14SX	KE-14MX	KE-14PX	2	145T	1750	3420	3325	3230	3125	3025	2925	2820	2595	2350	2045	1620	1010	640	81	

dBA ratings shown are measured at 0" static pressure, and should be used as a guideline only.

DIMENSIONS

BLOWER	WHEEL	A	B	C	D	E	F	G	H	J	K	L	M*	O	P	R	X
KE-08	7 3/4" x 4"	11"	8"	8 1/4"	5 3/8"	5"	7"	1/2"	6"	4 5/8"	6 3/4"	6 7/8"	10 3/4"	3 3/4"	8"	8"	8 1/2"
KE-09	9" x 5"	12 1/8"	8"	10 3/4"	6 1/2"	5 5/8"	7"	1/2"	6 3/4"	5 5/8"	7 3/4"	7 1/8"	11 3/4"	4 5/16"	9"	9 1/4"	9 7/8"
KE-11	10 7/8" x 5 5/8"	14 3/4"	9"	11 3/4"	8"	6 7/8"	7 1/2"	3/4"	8"	6 3/4"	9 1/8"	8 1/8"	13 1/4"	5 1/16"	10"	10 3/4"	11 3/4"
KE-12	12 1/2" x 7 1/2"	16 3/8"	10 1/2"	13 1/4"	9 5/8"	7 3/8"	8 3/4"	1"	10 1/8"	8 1/2"	11 1/2"	10 1/2"	15 3/16"	6 3/8"	13 1/4"	13 1/4"	17"
KE-14	13 1/2" x 8 1/8"	17 5/8"	10 1/2"	14 5/8"	10 3/4"	8"	8 3/4"	1"	11 1/8"	9 3/8"	12 5/8"	11 3/8"	16 7/8"	7"	14 1/2"	14 5/8"	17"

* Dimensions may vary depending on type of motor used.



Clockwise rotation, bottom horizontal discharge shown.

Mounting holes are 3/8" diameter on all models up to KE-11 and 9/16" on the KE-12 and KE-14.

RELATED PRODUCTS



PW SERIES
Direct Drive Pressure Blowers



D SERIES
Direct Drive Forward Curved Blowers

D SERIES

Direct Drive Forward Curved Blower

For low static environments.
Ideal for light duty exhaust applications.



FEATURES

- Wheels are forward curved steel, dynamically balanced and designed for efficient operation.
- Welded 16 gauge steel housings and motor bases.
- TEFC motors are standard.
- Comes as clockwise rotation, bottom horizontal discharge (can be rotated at 45° increments).

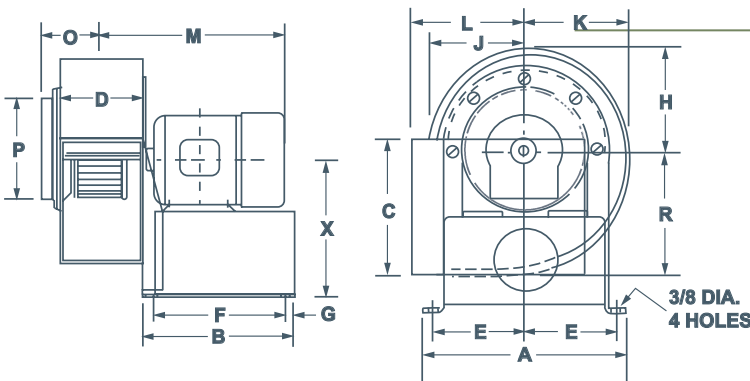
PERFORMANCE SPECIFICATIONS

MODEL			H.P.	RPM	CFM @ STATIC PRESSURE													dBA @ 5 FT
SINGLE PHASE	THREE PHASE 208/230/460	THREE PHASE 575			0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	
D6AAS	D6AAM	D6AAP	1/3	1140	330	250	100	--	--	--	--	--	--	--	--	--	51	
D6ABS	D6ABM	D6ABP	1/3	1750	560	515	470	420	300	300	--	--	--	--	--	--	53	
D8AS	D8AM	D8AP	1/3	1140	680	620	535	430	--	--	--	--	--	--	--	--	55	
D8CS	D8CM	D8CP	1/3	1750	1085	1050	1005	960	865	865	750	580	--	--	--	--	57	
D9CS	D9CM	D9CP	1/3	1140	1160	1125	1090	1035	855	855	--	--	--	--	--	--	56	
D9FS	D9FM	D9FP	1	1750	--	--	--	1720	1675	1675	1620	1550	1445	1290	1100	--	--	58
D11ES	D11EM	D11EP	3/4	1140	1970	1870	1800	1710	1500	1500	1290	1020	--	--	--	--	61	
D11GS	D11GM	D11GP	1 1/2	1750	--	--	--	--	--	--	--	--	1840	1730	1600	1450	1280	63

* Fan should not be run at static pressure less than shown in above table, motor overload will result.
dBA ratings shown are measured at 0" static pressure, and should be used as a guideline only.

DIMENSIONS

BLOWER	WHEEL	BORE	A	B	C	D	E	F	G	H	J	K	L	M*	O	P	R	X	WEIGHT (LBS) (LESS MOTOR)
D6AA	6 1/4" X 3"	5/8"	9 3/8"	8"	7 3/8"	4 1/4"	4 1/4"	7"	1/2"	5"	4"	6"	5"	11 5/8"	3 1/8"	6"	7 1/8"	9"	13
D6AB	6 1/4" X 3"	5/8"	9 3/8"	8"	7 3/8"	4 1/4"	4 1/4"	7"	1/2"	5"	4"	6"	5"	11 5/8"	3 1/8"	6"	7 1/8"	9"	13
D8A	7 3/4" X 3 7/8"	5/8"	11"	8"	8 1/4"	5 3/8"	5"	7"	1/2"	6"	4 5/8"	6 3/4"	6 7/8"	12 1/2"	3 3/4"	8"	8"	9"	18
D8C	7 3/4" X 3 7/8"	5/8"	11"	8"	8 1/4"	5 3/8"	5"	7"	1/2"	6"	4 5/8"	6 3/4"	6 7/8"	12 1/2"	3 3/4"	8"	8"	9"	18
D9C	9" X 4 1/2"	5/8"	12 1/8"	8"	10 3/4"	6 1/2"	5 5/8"	7"	1/2"	6 3/4"	5 5/8"	7 3/4"	7 1/8"	13"	4 3/8"	9"	9 1/4"	9 7/8"	25
D9F	9" X 4 1/2"	5/8"	12 1/8"	8"	10 3/4"	6 1/2"	5 5/8"	7"	1/2"	6 3/4"	5 5/8"	7 3/4"	7 1/8"	14 1/4"	4 3/8"	9"	9 1/4"	9 7/8"	25
D11E	10 5/8" X 5 1/4"	5/8"	14 3/4"	11 1/2"	11 3/4"	8"	6 7/8"	10"	3/4"	8"	6 3/4"	9 1/8"	8 1/8"	15 1/2"	5"	10"	10 3/4"	11 1/4"	36
D11G	10 5/8" X 4"	5/8"	14 3/4"	11 1/2"	11 3/4"	5 7/8"	6 7/8"	10"	3/4"	8"	6 3/4"	9 1/8"	8 1/8"	14 5/8"	4"	10"	10 3/4"	11 1/4"	36



RELATED PRODUCTS



PW SERIES
Direct Drive Pressure Blowers



KE SERIES
Direct Drive Radial Blade Blowers



D503



D504



D506 & D530



D507

D500 SERIES

Direct Drive Utility Blowers

FEATURES

- Designed for easy installations in common applications requiring moderate air quantities (up to 650 CFM) in low static systems (up to .75" W.G.).
- Available in CCW rotation only (as viewed from motor side).
- Use WM-13M solid state motor speed control to reduce CFM on Models D503 to D506.
- Use 3 speed selector for Low, Medium & High speed on D507.
- Ideal for applications where low noise levels are a "must" since the motor is out of the air stream and the blower can be remotely located.

PERFORMANCE SPECIFICATIONS

MODEL	TYPICAL MAXIMUM CFM @ SP					
	1/8" SP	1/4" SP	3/8"	1/2"	5/8"	3/4"
D503	65	60	60	--	--	--
D504	120	100	--	--	--	--
D530	230	210	190	160	--	--
D506	375	355	335	315	280	240
D507 - LOW	410	375	340	315	225	--
D507 - MED	495	460	390	355	300	--
D507 - HIGH	640	570	470	405	350	--

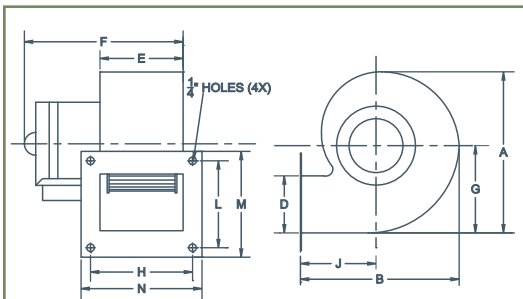
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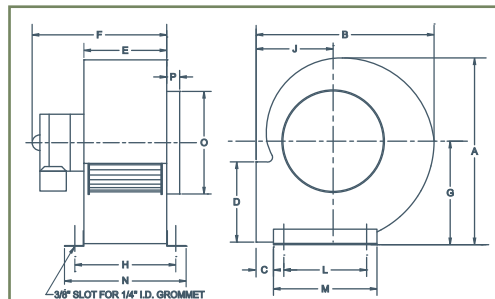
MODEL FEATURES

FEATURES	D503	D504	D530	D506	D507
120V, 60 Hz CSA approved single speed shaded pole motor, continuous duty, suitable for use with WM-13 speed controller.	●	●	●	●	
120V, 60 Hz CSA approved 3 speed resilient mount PSC BALL BEARING motor.					●
Prelubricated bearings - no further lubrication required.	●	●	●	●	●
Built in automatic reset thermal protector.	●	●	●	●	●
Mount in horizontal or vertical position.	●	●	●	●	
Rotate housing on base for any of 8 discharge positions, keeping shaft horizontal.					●
Conduit wiring box.	●	●	●	●	●
Inlet screen standard.	●				
Duct collar inlet.				●	●
Flanged outlet.	●	●	●	●	●
Quiet operating forwardly curved zinc coated blower wheel.	●	●	●	●	●
Base slotted for 4 rubber blower feet.			●	●	●
Rugged steel blower housings with baked green enamel finish.	●	●	●	●	●
Motor side access plate for motor and wheel servicing removal.	●	●	●	●	●

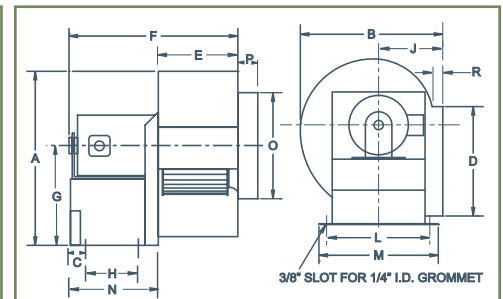
DIMENSIONS



D503 & D504



D506 & D530



D507

MODEL	MOTOR RPM	A	B	D	E	F	H	L	M	N	O	UNIT WEIGHT (without motor & drives)
D503	3000	6 1/8"	5 1/4"	1 7/8"	2 3/4"	5 1/4"	3 3/8"	2 7/8"	3 1/2"	4"	--	3 lbs
D504	1300	8 3/8"	7 1/8"	2 3/4"	3 3/4"	6"	4 3/4"	3 3/4"	4 1/4"	5 1/4"	--	4 lbs
D530	1550	9 3/4"	9 1/8"	3 7/8"	4"	8 1/4"	4 7/8"	5"	6"	5 7/8"	4 7/8"	8 lbs
D506	1520	10 5/8"	9 3/4"	3 3/4"	5 1/4"	11 1/8"	6 1/8"	5"	6"	7 1/8"	5 7/8"	13 lbs
D507	1050	13 1/8"	12 1/4"	8 1/4"	6"	14"	5"	8"	9"	6 5/8"	7 7/8"	24 lbs

OPTIONS

MOTOR SPEED CONTROL

MODELS D503, D504, D530, D506 - Use a # WM-13M (Part # 8890016) solid state control to lower the motor speed and reduce the air flow up to the % of full capacity listed: **D503 - 30%; D530 - 45%; D504 - 45%; D506 - 55%**
MODELS D507 - Use a 3 speed switch to select High (1050 RPM), Medium (850 RPM) or Low (740 RPM) operation.

U SERIES PORTABLE UTILITY FAN



U series utility fans - formerly known as FANTRAXX smoke ejectors - are ideal for many utility applications and have been designed to meet fire service needs.

The units are available in various configurations and sizes to satisfy almost any application. These fans produce high volumes of air in compact and efficient designs. Sizes range from 12" up to 24" blade diameters. Available with totally enclosed or explosion proof motors ranging in size from 1/3HP to 1/2HP. Entire fan assemblies are certified as shown.

All **U series utility fans** are finished in a tough powder coat finish with cadmium plated safety guards. All motors are ball bearing and require no maintenance. Voltages other than those listed (including 50HZ) are available. Consult factory. All units are equipped with 6 feet of cord with a plug (explosion proof units are minus plug). Available accessories include hanger bars and hooks, collar adaptors, flexible hoses, hose connectors and misting adaptor kits.

FEATURES

- Available in 12" to 18" sizes.
- Totally enclosed ball bearing motor and explosion proof models available.
- Powder coated housing.
- Fans come complete with 6 foot cord and plug (explosion proof motors come without a plug).



Heavy duty models also available. See next page.

SPECIFICATIONS

		MODEL	MOTOR	HP	RPM	VOLTAGE	FULL LOAD AMPERAGE (115)	CFM	WEIGHT (LBS)	FAN DIMENSIONS
BLADE DIAMETER	12"	U12-1	Totally enclosed	1/3	1725	115	3.8	1620	40	14 1/8" H X 14 1/8" W X 17" L
		U16-1	Totally enclosed	1/3	1725	115	3.8	3151	49	19 1/8" H X 19 1/8" W X 17" L
	U16-4	Explosion proof	1/3	1725	115	6.8	3151	54	19 1/8" H X 19 1/8" W X 17" L	
	18"	U18-1	Totally enclosed	1/3	1725	115	3.8	3700	52	21 3/8" H X 21 3/8" W X 17" L
		U18-4	Explosion proof	1/3	1725	115	6.8	3700	57	21 3/8" H X 21 3/8" W X 17" L

ACCESSORIES

- Hanger Bars/Hooks
- Flexible Hose
- Hose Connectors
- Collar Adaptors
- Utility Guards

For more information on accessories, see page E11.





U SERIES PORTABLE UTILITY FAN - HEAVY DUTY MODELS



U series utility fans - formerly known as FANTRAXX smoke ejectors - are ideal for many utility applications and have been designed to meet fire service needs. The units are available in various configurations and sizes to satisfy almost any application. These fans produce high volumes of air in compact and efficient designs. Sizes range from 12" up to 24" blade diameters. Available with totally enclosed or explosion proof motors ranging in size from 1/3HP to 1/2HP. Entire fan assemblies are certified as shown.

All **U series utility fans** are finished in a tough powder coat finish with cadmium plated safety guards. All motors are ball bearing and require no maintenance. Voltages other than those listed (including 50HZ) are available. Consult factory. All units are equipped with 6 feet of cord with a plug (explosion proof units are minus plug). Available accessories include hanger bars and hooks, collar adaptors, flexible hoses, hose connectors and misting adaptor kits.

FEATURES

- Available in 16" to 24" sizes.
- Totally enclosed ball bearing motor and explosion proof models available.
- Powder coated housing.
- Fans come complete with 6 foot cord and plug (explosion proof motors come without a plug).

SPECIFICATIONS

	MODEL	MOTOR	HP	RPM	VOLTAGE	FULL LOAD AMPERAGE (115)	CFM	WEIGHT (LBS)	FAN DIMENSIONS
16"	U16-1HD	Totally enclosed	1/2	1725	115/230	8.8	3740	64	19 1/8" H X 19 1/8" W X 17" L
	U16-4HD	Explosion proof	1/2	1725	115/230	8.0	3740	83	
18"	U18-1HD	Totally enclosed	3/4	1725	115/230	11	5170	78	21 3/8" H X 21 3/8" W X 17" L
	U18-4HD	Explosion proof	3/4	1725	115/230	10.8	5170	96	
20"	U20-1HD	Totally enclosed	1	1725	115/230	13.4	6850	98	24 3/8" H X 24 5/14" W X 17" L
	U20-4HD	Explosion proof	1	1725	115/230	13.4	6850	118	
24"	U24-1HD	Totally enclosed	1 1/2	1725	115/230	15.2	9280	112	26 1/8" H X 26 1/8" W X 17" L
	U24-4HD	Explosion proof	1 1/2	1725	115/230	19	9280	134	

For standard duty models please see previous page.

ACCESSORIES

- Hanger Bars/Hooks
- Flexible Hose
- Hose Connectors
- Collar Adaptors
- Utility Guards

For more information on accessories, see page E11.



PORTABLE UTILITY FAN & U SERIES SMOKE EJECTOR ACCESSORIES

HANGER BARS / HOOKS



Adjustable bar and hooks (sold separately) used to hang U Series utility fan from a doorway or opening (Minimum 31" / Maximum 45" wide).

MODEL	DESCRIPTION
SEH-3	DOOR HANGER BAR
SEH-HB	HANGER HOOKS (PAIR)

FLEXIBLE HOSE

Our Flexible Hose is constructed from a PVC fabric sewn around a spring wire helix. Temperature range is from -20° to 200°F. Flexible Hose is flame resistant and compressible to 1/5 extended length. Comes equipped with quick release buckle on one end and outlet ring on the other end.



8" & 12" models come complete with soft carrying case.

MODEL	DIAMETER	LENGTH	FAN SIZE
H8BC	8"	15'	U12
H12BC	12"	15'	U12
H16BC	16"	20'	U16
H18BC	18"	20'	U18
H20BC	20"	20'	U20
H24BC	24"	20'	U24

HOSE CONNECTORS

Hose Connectors are required when attaching two lengths of hose together. Two gear clamps are included.



MODEL	FOR HOSE DIAMETER
HK8	8"
HK12	12"
HK16	16"
HK18	18"
HK20	20"
HK24	24"

COLLAR ADAPTORS

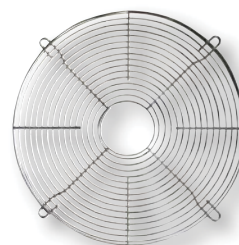
Collar Adaptors are required when using flexible hose. Easily attached to the inlet or discharge of a Smoke Ejector with spring clips (included).



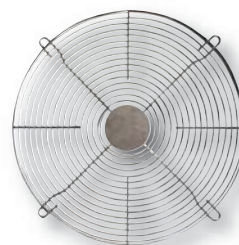
MODEL	HOSE SIZE	FAN SIZE	WEIGHT (LBS)
CA12-12	12"	U12	7
CA16	16"	U16	8
CA18	18"	U18	9
CA20	20"	U20	15
CA24	24"	U24	TBA

UTILITY GUARDS

Utility Guards have the centres cut out. To order with centre, do not include C in the model number.



2U121CLFI



2U121LFI

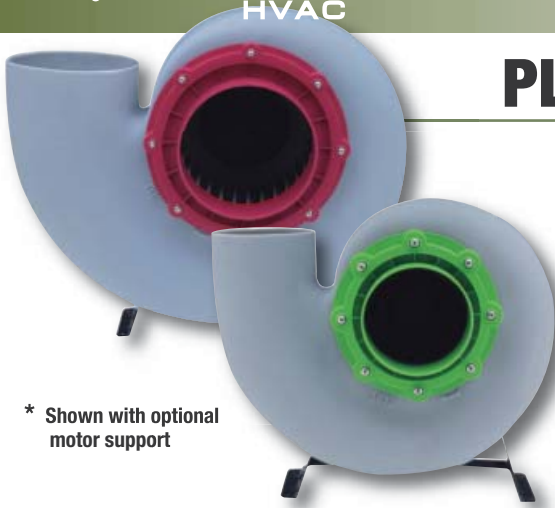
MODEL	SIZE
2U121CLF I	12"
2U161CLF I	16"
2U181CLF I	18"
2U202CLF I	20"
MC27GC	27"
MC30CG	30"

PLASTEC POLYPROPYLENE BLOWERS

The PLASTEC series polypropylene blowers are designed to work in highly corrosive air applications such as laboratory exhaust or the chemical industry. Housings are constructed of strong, high-density UV treated polypropylene for maximum corrosion resistance. Housings are made of a single piece to avoid leaks. Housings are reversible and rotatable to any of the 8 standard discharge positions.

FEATURES

- Housings constructed of strong, high density UV treated polypropylene for maximum corrosion resistance.
- One piece housing to avoid leakage.
- Housing is reversible and rotatable to any of the 8 standard discharge positions.
- Wheels are both electronically and dynamically balanced.
- Direct drive, heavy duty ball bearing motors for continuous duty.
- Totally enclosed, fan cooled motors (TEFC) or high efficient explosion proof motors.



* Shown with optional motor support

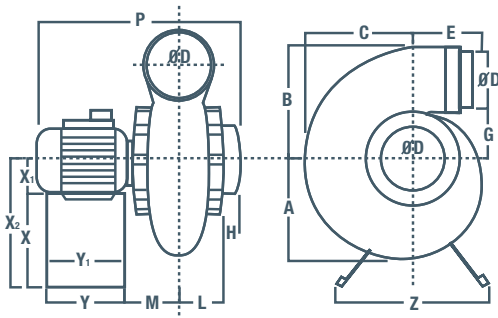
PERFORMANCE DATA

MODEL #	INLET/OUTLET SIZE (OD) INCHES	RPM	H.P.	CFM									
				0"	1/4"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	4"	5"
TEFC													
15	P15T10025C	P15T30025C-*	4.92/4.92	1140	1/4	200	50	-	-	-	-	-	-
	P15T10033B	P15T30033B-*	4.92/4.92	1725	1/3	300	250	150	-	-	-	-	-
20	P15T10050A	P15T30050A-*	4.92/4.92	3450	1/2	600	575	550	525	500	400	300	150
	P20T10025C	P20T30025C-*	6.30/6.62	1140	1/4	600	500	300	100	-	-	-	-
	P20T10033B	P20T30033B-*	6.30/6.62	1725	1/3	900	850	775	700	500	100	-	-
25	P20T10150A	P20T30150A-*	6.30/6.62	3450	1 1/2	1800	1700	1600	1500	1400	1300	1200	1100
	P25T10033C	P25T30033C-*	7.82/8.62	1140	1/3	1100	1000	900	600	-	-	-	-
	P25T10075B	P25T30075B-*	7.82/8.62	1725	3/4	1700	1600	1500	1400	1300	1100	400	-
30	-	P25T30300A-*	7.82/8.62	3450	3	-	-	-	-	-	-	-	2300
	P30T10075C	P30T30075C-*	9.84/10.75	1140	3/4	2250	2100	2000	1750	1500	1000	-	-
	P30T10200B	P30T30200B-*	9.84/10.75	1725	2	3500	3400	3250	3150	3000	2750	2500	2000
35	-	P35T30200D	12.75/12.75	850	2	3420	3250	3000	2750	2500	2000	-	-
	-	P35T30500C	12.75/12.75	1140	5	5000	4750	4500	4250	4000	3500	3000	2500
	-	P35T31000B	12.75/12.75	1750	10	-	-	-	-	-	-	-	4600
EXPLOSION PROOF													
15	P15X10033B	P15X30033B-*	4.92/4.92	1725	1/3	300	250	150	-	-	-	-	-
	P15X10050A	P15X30050A-*	4.92/4.92	3450	1/2	600	575	550	525	500	400	300	150
20	P20X10033B	P20X30033B-*	6.30/6.62	1725	1/3	900	850	775	700	500	100	-	-
	P20X10150A	P20X30150A-*	6.30/6.62	3450	1 1/2	1800	1700	1600	1500	1400	1300	1200	1100
	P25X10075B	P25X30075B-*	7.82/8.62	1725	3/4	1700	1600	1500	1400	1300	1100	400	-
30	-	P25X30300A-*	7.82/8.62	3450	3	-	-	-	-	-	-	-	2300
	P30X10075C	P30X30075C-*	9.84/10.75	1140	3/4	2250	2100	2000	1750	1500	1000	-	-
	P30X10200B	P30X30200B-*	9.84/10.75	1725	2	3420	3250	3000	2750	2500	2000	-	-



* For three phase motors, substitute "*" with "M" for 208-230/460V, or with "P" for 575V (except on P35 models which are only available in 208-230/460V)

DIMENSIONS * Shown with optional motor support



DIMENSION	MODEL	RPMs		
		1150	1725	3450
X1	P15	2 13/16"	2 13/16"	2 13/16"
X2		12 1/4"	12 1/4"	12 1/4"
X1	P20	2 13/16"	2 13/16"	3 1/8"
X2		12 1/4"	12 1/4"	12 5/8"
X1	P25	2 13/16"	3 1/8"	3 9/16"
X2		12 1/4"	12 5/8"	15 3/8"
P		18 7/8"	20 1/2"	22 13/16"
X1	P30	3 1/8"	3 9/16"	22 7/16"
X2		17 11/16"	18 1/8"	-
P		22 7/16"	23 5/8"	-
X1	P35	4.41"	4.41"	-
X2		22.83"	22.83"	-
P		28.50"	28.5	-

MODEL	A	B	C	D	E	G	H	L	M	P	Y	Y1	Z	X
P15	6 1/16"	9 7/8"	8"	4 7/8"	5 11/16"	4 3/4"	1 1/5"	2 3/4"	3 1/8"	14 1/4"	7 1/16"	6 5/16"	13 3/8"	9 7/16"
P20	8 3/16"	12 1/16"	9 7/16"	6 5/8"	6 3/16"	5 1/2"	1 1/3"	3 3/8"	3 11/16"	15 1/3"	7 1/16"	6 5/16"	13 3/8"	9 7/16"
P25	9 3/4"	14 3/4"	12 3/16"	8 5/8"	6 5/8"	6 1/8"	1 1/3"	3 3/4"	4 1/8"	-	7 1/16"	6 5/16"	16 1/2"	-
P30	11 3/16"	18 3/16"	14 11/16"	10 3/4"	7"	7 5/16"	1 1/3"	4 5/16"	4 3/4"	-	9 7/16"	8 11/16"	18 1/8"	-
P35	14.57"	22.44"	17.72"	12.75"	5.12"	10.04"	2.36"	5.91"	6.69"	28.50"	13.78"	12.36"	23.62"	18.43"

ACCESSORIES

- Weather hood enclosed pedestal for weather protection
- Roof unit kit
- Roof curbs
- Dampers
- Motor supports



Plastec products are special non-standard items and are not-returnable and cannot be cancelled.

JET SERIES POLYPROPYLENE INLINE FANS



The JET Series centrifugal inline fan is designed to work in highly corrosive air applications such as laboratory exhaust or the chemical industry Inline centrifugal fan from 6" up to 10" inlet. Mounted on a roof curb or a Inline, JET fans generate a high plume exhaust to ensure maximum dilution of gases in the environment. Smooth and quiet performance. Ideal for water treatment plants and fume hood exhaust applications.

FEATURES

- Polypropylene casing and wheel recommended up to 190°F.
- Housing shall be constructed of strong high-density UV treated polypropylene for maximum corrosion resistance.
- High plume of air to ensure maximum dilution of gases to prevent exhaust fumes returning into buildings.
- Wheels are both electronically and dynamically balanced.
- Direct drive, heavy-duty ball bearing type motors for continuous duty.

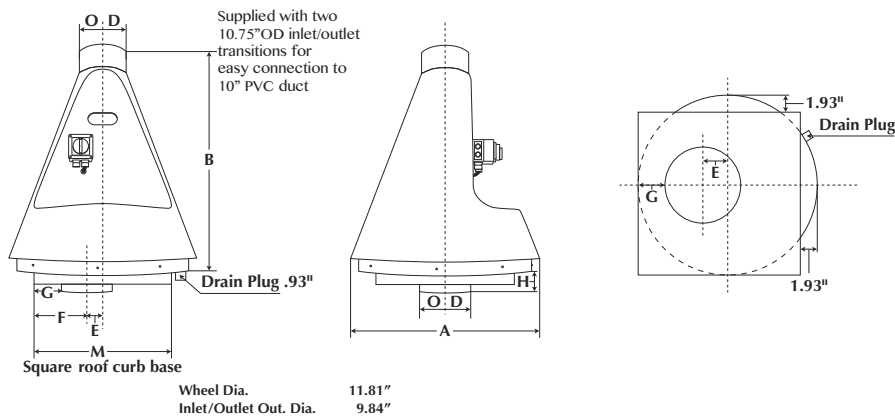
SPECIFICATIONS

MODEL	MODEL #		INLET/OUTLET SIZE (OD) INCHES	RPM	H.P.	CFM														
	SINGLE PHASE	THREE PHASE				1/4"	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	3.5"	4"	4.5"	7.5"	8.5"		
	TEFC																			
20	JET20T10025C	JET20T30025C-*	6.62/6.62	1140	1/4	325	100	-	-	-	-	-	-	-	-	-	-	-	-	
	JET20T10033B	JET20T30033B-*	6.62/6.62	1725	1/3	-	500	400	300	-	-	-	-	-	-	-	-	-	-	
	JET20T10150A	JET20T30150A-*	6.62/6.62	3450	1 1/2	-	-	-	-	-	1000	950	900	800	690	550	-	-	-	
25	JET25T10033C	JET25T30033C-*	8.62/8.62	1140	1/3	-	750	575	225	-	-	-	-	-	-	-	-	-	-	
	JET25T10075B	JET25T30075B-*	8.62/8.62	1725	3/4	-	-	-	1050	850	575	-	-	-	-	-	-	-	-	
	-	JET25T30300A-*	8.62/8.62	3450	3	-	-	-	-	-	-	-	-	-	-	-	-	1350	800	
30	JET30T10075C	JET30T30075C-*	10.75/10.75	1140	3/4	-	1500	1375	1250	250	-	-	-	-	-	-	-	-	-	
	JET30T10200B	JET30T30200B-*	10.75/10.75	1725	2	-	-	-	-	2100	1850	1500	875	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EXPLOSION PROOF																				
20	JET20X10033B	JET20X30033B-*	8.62/8.62	1725	1/3	-	500	400	300	-	-	-	-	-	-	-	-	-	-	
30	-	JET30X30075C-*	10.75/10.75	1140	3/4	-	1500	1375	1250	250	-	-	-	-	-	-	-	-	-	
	-	JET30X30200B-*	10.75/10.75	1775	2	-	-	-	-	2100	1850	1500	875	-	-	-	-	-	-	

* For three phase motors, substitute "*" with "M" for 208-230/460V, or with "P" for 575V

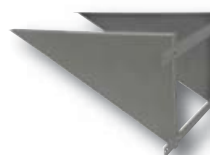
DIMENSIONS

MODEL	A	B	D	E	F	G	H	M (ID)	X	Y
JET20	23.62"	33.25"	6.3"	1.93"	9.87"	6.31"	4.5"	21.25" X 21.25"	11"	11.81"
JET25	28.93"	39.12"	7.87"	2.37"	12"	5.68"	5.31"	21.25" X 21.25"	13"	11.81"
JET30	34.62"	43.31"	9.84"	2.75"	7.87"	2.93"	5.12"	21.25" X 21.25"	15.75"	15.75"

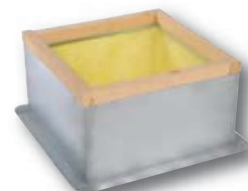


ACCESSORIES

- Optional JET Wall Mounting Bracket
- Optional Insulated Galvalume Roof Curb



Wall Mounting Bracket



Insulated Galvalume Roof Curb

Note Plastec products are special non-standard items and are not-returnable and cannot be cancelled.

STORM SERIES POLYPROPYLENE BLOWERS

Designed to exhaust fumes from highly corrosive environments such as laboratory exhaust or the chemical industry, especially those with high static pressure and low CFM. 3 sizes available from 3" to 6" inlet/outlet. It is an excellent system for Scrubber Applications and other systems requiring low airflow at higher static pressure. Suitable for many applications such as acid tank ventilation, hood exhaust, commercial washers wastewater, chemical cabinets/rooms, etc.

FEATURES

- Polypropylene casing and wheel recommended up to 190°F.
- Housing shall be constructed of strong high-density UV treated polypropylene for maximum corrosion resistance.
- Housing is made of one piece to avoid leaks.
- Housing is rotatable to any of the 8 standard discharge positions.
- Wheels are both electronically and dynamically balanced.
- Direct drive, heavy-duty ball bearing type motors for continuous duty.

* Shown with optional motor support



SPECIFICATIONS

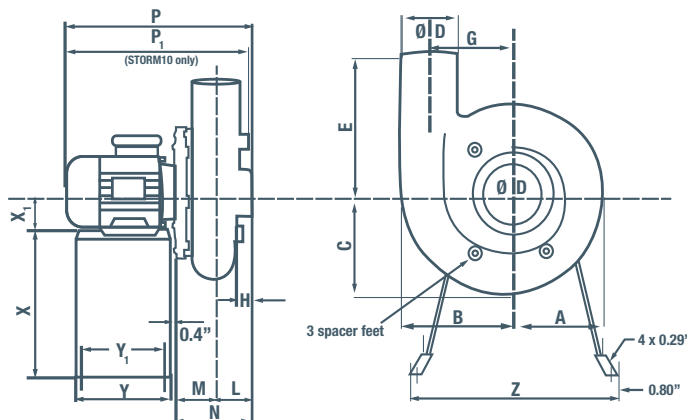
MODEL #		INLET/OUTLET SIZE (OD) INCHES	RPM	H.P.																
SINGLE PHASE	THREE PHASE				1/4"	1/2"	3/4"	1"	1 1/2"	2"	2 1/4"	3"	4"	4.5"	6.5"	7.5"	11"	12"		
TEFC																				
MODEL	10	STORM10T10012B	-	2.95/2.95	1725	1/8	60	40	-	-	-	-	-	-	-	-	-			
		STORM10T10033A	STORM10T30033A-*	2.95/2.95	3450	1/3	-	-	135	125	100	75	50	-	-	-	-	-		
	12	STORM12T10033B	STORM12T30033B-*	3.54/3.54	1725	1/3	225	190	150	125	-	-	-	-	-	-	-	-		
		STORM12T10100A	STORM12T30100A-*	3.54/3.54	3450	1	-	-	-	-	380	360	350	325	250	200	-	-		
	14	STORM14T10050B	STORM14T30050B-*	4.53/4.53	1725	1/2	-	-	-	-	400	100	-	-	-	-	-	-		
		-	STORM14T30300A-*	4.53/4.53	3450	3	-	-	-	-	-	-	-	-	-	-	800	550		
	16	-	STORM16T30550A-*	6.5/6.5	3450	5 1/2	-	-	-	-	-	-	-	-	-	-	-	-	1200	300
		EXPLOSION PROOF																		
	MODEL	10	STORM10X10033B	STORM10X30033B-*	2.95/2.95	1725	1/3	60	40	-	-	-	-	-	-	-	-	-		
			STORM10X10033A	-	2.95/2.95	3450	1/3	-	-	135	125	100	75	50	-	-	-	-	-	
		12	STORM12X10033B	STORM12X30033B-*	3.54/3.54	1725	1/3	225	190	150	125	-	-	-	-	-	-	-	-	
			STORM12X10100A	STORM12X30100A-*	3.54/3.54	3450	1	-	-	-	-	380	360	350	325	250	200	-	-	
14		STORM14X10050B	STORM14X30050B-*	4.53/4.53	1725	1/2	-	-	-	-	400	100	-	-	-	-	-	-		
		-	STORM14X30300A-*	4.53/4.53	3450	3	-	-	-	-	-	-	-	-	-	-	-	800	550	
16		-	STORM16X30550A-*	6.5/6.5	3450	5 1/2	-	-	-	-	-	-	-	-	-	-	-	-	1200	300

* For three phase motors, substitute "*" with "M" for 208-230/460V, or with "P" for 575V

DIMENSIONS

MODEL	A	B	C	D	E	G	H	L	M	N	Y	Y ₁	Z	X
STORM10	4.53	5.31	5.00	2.95	6.22	3.82	1.26	1.90	2.24	4.14	7.09	6.3	13.39	9.45"
	P ₁	P	X ₁	MOTOR TYPE										
	10.73"	11.88"	2.30"	Single Phase .12 HP 4 Pole										
	13.75"	14.90"	3.16"	Single Phase .33 HP 2 Pole										
	18.00"	19.15"	3.43"	Single Phase .12 HP 4 Pole										

MODEL	WHEEL DIAMETER	A	B	C	D	E	G	H	L	M	N	P	Y	Y ₁	Z	X	X ₁
STORM12	7.75"	5.71"	6.89"	6.42"	3.54"	8.35"	5.12"	1.77"	3.15"	2.83"	5.98"	13.78"	7.09"	6.3"	13.39"	9.45"	2.8"
STORM14	9.75"	7.4"	9.13"	8.94"	4.53"	10.58"	6.69"	4.17"	6.33"	3.27"	9.6"	19.05"	7.125"	6.3"	13.39"	11.75"	3.15"
STORM16	11.75"	9.25"	11.34"	10.94"	6.5"	12.31"	8.07"	1.57"	3.94"	3.82"	7.76"	18.78"	13.78"	12.36"	23.62"	18.43"	4.41"



Metal stand does not come standard with fan. Motor frame sizes may vary upon type of motor used.

ACCESSORIES

- Weather hood enclosed pedestal for weather protection



WH4 Pedestal Weather Hood

WH3 Pedestal Weather Hood



Plastec products are special non-standard items and are not-returnable and cannot be cancelled.

IB: POLY INFLATION BLOWERS



IB-BA

- Powder coated
- Comes complete with inlet damper, mounting bracket and cord.



IB-B (MOTOR ONLY)

- Replacement blower only
- Comes with cord



IB-S

- Blower - Single



IB-D

- Blower - Double

GENERAL INFORMATION

Canarm Poly inflation blowers are specially designed for Poly Greenhouses. These blowers are designed to inflate layers of poly, creating a lightly pressurized air pocket between the layers.

IB series inflation blowers feature rugged 120V motors c/w grounded cord set, inlet damper single or double hose, flange kit and mounting bracket

APPLICATIONS USED IN

Canarm Poly inflation blowers are specially designed for use in Poly Greenhouses.

ACCESSORIES

- IB-BP** Poly by-pass kit; comes with 5' of hose and hardware
- IB-FL** Flange complete with gear clamp, retainer kits and gaskets
- IB-H-5** 5' of hose
- IB-H-25** 25' of hose



IB-BP



IB-FL

GREEN SERIES	GREEN SERIES 200DD & 9200DD	F1
	Forward Curved Inline Duct Blowers	
	GREEN SERIES 200DD & 9200DD	F2
	Filter Sections & Intake Hoods	
	PERFORMANCE GREEN DIRECT DRIVE SERIES	F3
	Motor	
	PERFECTSPEED ECM VENTILATION MOTOR	F4
	Motor	
GREEN SERIES 300DD	F5	
Forward Curved Roof Exhauster		
GREEN SERIES SISDD	F6	
Side Intake Flared Fresh Air Supply Units		
GREEN SERIES 700DD	F7	
Filtered Fresh Air Supply Units		
G-DD SERIES	F8	
Centrifugal, Forward Curved, Direct Drive DWDI Blowers		



200DD SERIES
Indoor Applications,
Insulated or Non-Insulated



9200DD SERIES
Heavy duty, Insulated Indoor
or Outdoor Applications

FEATURES

- High efficiency direct drive motor for energy efficient, low maintenance applications.
- Forward curved blowers operate at low RPM for low noise levels.
- Attractive green baked on powder coat finish.



Call for pricing & availability.

CHART GUIDELINES

Chart cells reference Motor HP and Motor Speed for performance (motor to be wired accordingly).

- H - High
- MH - Medium High
- M - Medium
- ML - Medium Low
- L - Low

Performance tested in accordance to AMCA STD 210-85.

Operating at Static Pressure ratings above listed data is not recommended.

Performance drops off drastically and surging may occur.

Performance limited to green highlighted areas of the charts. Do not select non-green areas.

Motor HP's of 1/2, 3/4 and 1 are available in 115 Volt and 230 Volt in Single Phase ONLY.

GREEN SERIES 200DD & 9200DD
Forward Curved Inline Series Duct Blowers

PERFORMANCE SPECIFICATIONS

GREEN SERIES DATA 209DD 9209DD				
CFM	0"SP	0.25"	0.5"	0.75"
700			1/2-L	
800		1/2-L		
900	1/2-L			
1000			3/4-L	
1100		3/4-L		
1200	3/4-L		1-L	1/2-ML
1300		1-L	1/2-ML	1/2-M
1400	1-L	1/2-ML	1/2-M	1/2-MH
1500	1/2-ML	1/2-M	1/2-MH	1/2-H
1600	1/2-M	1/2-MH	1/2-H	3/4-ML
1700	1/2-MH	1/2-H	3/4-ML	3/4-M/1-M
1800	1/2-H	3/4-ML	3/4-M	3/4-MH/1-ML
1900	3/4-ML	3/4-M	3/4-MH/1-ML	3/4-H/1-H
2000	3/4-M	3/4-MH/1-ML	3/4-H	
2100	3/4-MH/1-ML	3/4-H	1-MH/1-M	
2200	3/4-H	1-M	1-H	
2300	1-M	1-MH		
2400	1-MH	1-H		
2500	1-H			
2600				



GREEN SERIES DATA 210DD 9210DD						
CFM	0"SP	0.25"	0.5"	0.75"	1"	1.25"
700			1/2-L		3/4-L	
800		1/2-L		3/4-L		
900	1/2-L				1-L	
1000			3/4-L			
1100		3/4-L				
1200	3/4-L		1-L	1/2-ML	1/2-ML	1/2-ML
1300		1-L	1/2-ML	1/2-M	1/2-M	1/2-M
1400	1-L	1/2-ML	1/2-M	1/2-MH	1/2-MH	1/2-MH
1500	1/2-ML	1/2-M	1/2-MH	1/2-H	1/2-H	1/2-H
1600	1/2-M	1/2-MH	1/2-H	3/4-ML	3/4-ML	3/4-ML
1700	1/2-MH	1/2-H	3/4-ML	3/4-M/1-M	3/4-M/1-M	3/4-M/1-M
1800	1/2-H	3/4-ML	3/4-M	3/4-MH/1-MH	3/4-MH/1-MH	3/4-MH/1-MH
1900	3/4-ML	3/4-M	3/4-MH/1-ML	3/4-H/1-H	3/4-H/1-H	3/4-H/1-H
2000	3/4-M	3/4-MH/1-ML	3/4-H			
2100	3/4-MH/1-ML	3/4-H	1-MH/1-M			
2200	3/4-H	1-M	1-H			
2300	1-M	1-MH				
2400	1-MH	1-H				
2500	1-H					
2600						

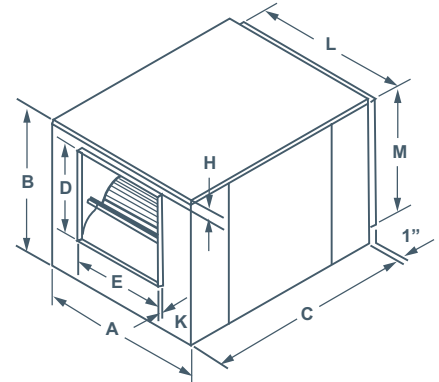
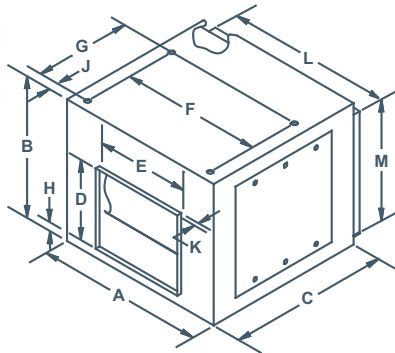
GREEN SERIES DATA 212DD 9212DD								
CFM	0"SP	0.25"	0.5"	0.75"	1"	1.25"	1.5"	1.75"
500			1/2-L	3/4-L	1-L			
800		1/2-L	3/4-L	1-L	1/2-ML			
1000	1/2-L				1/2-M			
1100		3/4-L	1-L	1/2-ML				
1200					1/2-MH			
1300	3/4-L	1-L		1/2-M				
1400				1/2-MH	1/2-H		1-ML	
1500		1/2-ML	1/2-M					
1600	1/2-ML/1-L	1/2-M	1/2-MH	1/2-H	3/4 ML	3/4-M/1-ML		
1700	1/2-M	1/2-MH	1/2-H	3/4-ML	3/4-M	3/4-MH	3/4-H/1-M	1-MH
1800	1/2-MH	1/2-H	3/4-ML	3/4-M	3/4-MH/1-ML	3/4-H/1-M		
1900	1/2-H	3/4-ML	3/4-M	3/4-MH	3/4-H		1-MH	1-H
2000	3/4-ML	3/4-M	3/4-MH	3/4-H/1-ML	1-M	1-MH		
2100	3/4-M	3/4-ML	3/4-H/1-ML		1-ML			
2200	3/4-MH	3/4-H		1-M		1-H		
2300	3/4-H	1-ML	1-M	1-MH	1-H			
2400	1-ML		1-MH					
2500		1-M		1-H				
2600	1-M	1-MH	1-H					
2700	1-MH	1-H						
2800	1-H							
2900								

GREEN SERIES 200DD & 9200DD

Forward Curved Inline Series Duct Blowers



Call for pricing & availability.



DIMENSIONS

MODEL	A	B	C	OUTLET							INLET		SHAFT DIAMETER	UNIT WEIGHT (LBS) (without motor)
				D	E	F	G	H	J	K	L	M		
209DD	21"	18"	23"	10 1/4"	11 13/16"	17 1/2"	11 3/4"	1 1/4"	1 3/4"	7/8"	19"	16"	3/4"	55
210DD	22.25"	20"	24 3/4"	11 3/8"	13 1/8"	18 3/4"	13 3/8"	1 1/4"	1 3/4"	7/8"	20 1/4"	18"	3/4"	65
212DD	27"	23"	27 1/2"	13 7/16"	15 5/8"	23 1/2"	16 1/8"	1 1/4"	1 3/4"	7/8"	25"	21"	3/4"	82
9209DD	21"	18"	23"	11 1/4"	12 3/4"	N/A	N/A	1"	N/A	1 1/8"	19"	16"	3/4"	61
9210DD	22 1/4"	20"	24 3/4"	12 3/8"	14 1/8"	N/A	N/A	1"	N/A	1 1/8"	20 1/4"	18"	3/4"	70
9212DD	30 1/8"	24 3/4"	34"	14 1/2"	16 5/8"	N/A	N/A	2 1/8"	N/A	1 1/8"	25 1/8"	21 1/8"	1"	143

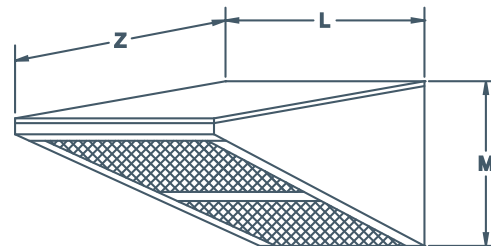
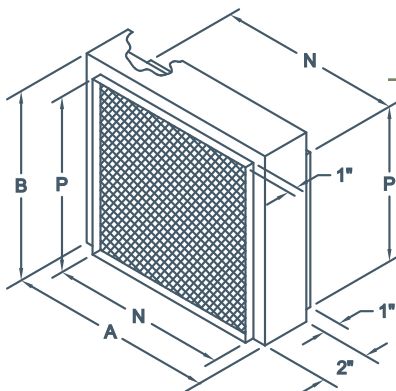
ACCESSORIES

- Filter sections
- Intake Hoods
- Vibration Isolators
- Back Draft Dampers



FILTER SECTIONS & INTAKE HOODS

Series F200A, F9220A & H9200



F200A FILTER SECTION

For 200DD & 9200DD Series Duct Blowers

H9200 INTAKE HOOD

For 9200DD Series Duct Blowers

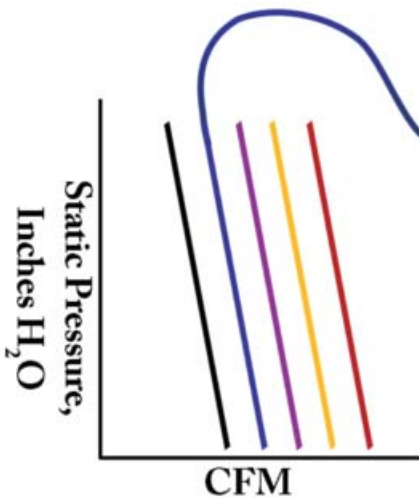
MODEL	A	B	N	P	FILTER		UNIT WEIGHT (LBS)
					SIZE	QUANTITY	
F209A	21"	18"	19 1/8"	16 1/8"	16 3/4" X 19 7/8"	1	12
F210A	22 1/4"	20"	20 3/8"	18 1/8"	18 3/4" X 21 1/8"	1	14
F212A	27"	23"	25 1/8"	21 1/8"	21 3/4" X 25 7/8"	1	16

MODEL	L	M	Z	FILTER		UNIT WEIGHT (LBS)
				SIZE	QUANTITY	
H9209	19 1/4"	16 9/16"	21 1/4"	16" X 24"	1	14
H9210	20 1/2"	18 9/16"	25 3/4"	15" X 20"	2	16
H9212	25 3/8"	21 9/16"	30 3/4"	20" X 25" & 16" X 25"	2	27



PERFORMANCE GREEN DIRECT DRIVE SERIES

Energy Efficient Direct Drive Cabinet Blowers



The coloured lines correspond with the motor wire colours which yield different performance.

The steep lines indicate you will likely get the desired CFM even if the system static pressure is not as expected.

With the new Performance Green direct drives, overload is unlikely when static pressure is low.

FEATURES

HIGH EFFICIENCY DIRECT DRIVE MOTOR

Up to 84% vs 65% efficient for standard PSC direct drive motors providing significant energy savings.

NO PROGRAMMING REQUIRED

Unlike most Electronically Controlled motors, the Performance Green Direct Drive Series requires no programming and is wired the same as a standard PSC direct drive motor.

ACTIVE PRESSURE COMPENSATION

The Performance Green Direct Drive Series utilizes advanced technology that adjusts the motor speed to compensate for changes in static pressure, helping to maintain CFM.

OPTIMUM PERFORMANCE

In addition to the energy savings, the Performance Green design utilizes technology that far exceeds any performance ranges previously available with standard direct drive blowers.

The technology permits performance at low static pressure without overload, a capability not available with PSC direct drive motors.

STANDARD CABINET DIMENSION

The technology and design inside the cabinet is what makes it unique. The cabinet sizes are the same as the belt drive Delhi Blower products to allow you to easily replace older units in retrofit and upgrading

FOR USE WITH

- 200 & 9200 Series
- 300 Series
- 700 Series
- SIS Series
- G-DD Series

**COMING
SOON!**

PERFECTSPEED EC VENTILATION MOTOR

with User Interface for Speed Control High Efficiency
Commercial Ventilation and other air moving applications.



FEATURES

USER INTERFACE

- 0-10 VDC remote or on-board potentiometer
- LED display indicates RPM and percent of demand
- Powered off any line voltage from 120/208-230 V
- No separate transformer required
- 300-RPM minimum speed
- Optional remote potentiometer allows control from up to 100' away

MOTOR

- High Efficiency ECM Motor
- Open Air Over
- Efficiency: up to 82%
- Frame: NEMA 48
- Motor output is indicated via a 7 segment LED
- Constant Speed is standard, but also available as Constant Torque

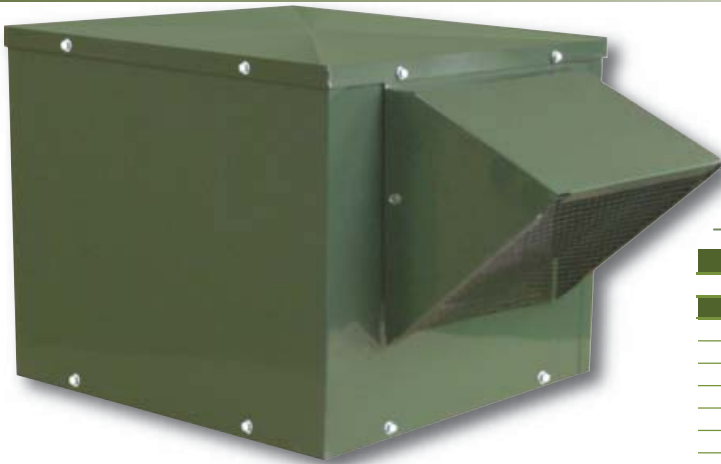


MODEL NUMBER	HP	RPM	VOLTS *	AMPS	HZ	SHELL LENGTH	SHAFT LENGTH	SHAFT DIAMETER	TOTAL LENGTH	SHIP WT. (LBS)
8840049	1	300-1800	120/208-230V	10.2/8.1-6.1	50/60	4.5"	4.5"	0.5"	13.5"	18
8840048	3/4	300-1800	120/208-230V	8.8/7.6-5.2	50/60	4.5"	4.5"	0.5"	13"	18
8840047	1/2	300-1800	120/208-230V	5.6/4.5-3.2	50/60	3.5"	4.5"	0.5"	12"	12
8840046	1/3	300-1800	120/208-230V	4.4/3.0-2.6	50/60	3.5"	4.5"	0.5"	12"	12
8840050	1	300-1200	120/208-230V	11.5/7.9-6.9	50/60	4.5"	4.5"	0.5"	13.5"	18
8840051	1/2	300-1200	120/208-230V	6.2/4.5-3.9	50/60	3.5"	4.5"	0.5"	12"	12



FLEXIBLE USER INTERFACE

- User Interface can be mounted directly to motor or remote mounted within unit enclosure.
- Vertical or horizontal mounting to a standard receptacle box using mounting holes provided
- Adjust motor speed by using the on-board or a user-supplied external potentiometer



GREEN SERIES 300DD

Forward Curved Roof Exhauster

PERFORMANCE SPECIFICATIONS

FEATURES

- High efficiency direct drive motor for energy efficient low maintenance applications
- Square base allows discharge to be oriented in any of 4 directions.
- Back draft damper and bird screen included.
- Cabinet insulated with 1/2" fiberglass insulation.

GREEN SERIES DATA 309DD				
CFM	0.125" SP	0.25"	0.5"	0.75"
600			1/2-L	
700				3/4-L
800		1/2-L		
900	1/2-L		3/4-L	1/2-ML
1000		3/4-L		1/2-M/3/4-ML
1100				1/2-MH/3/4-M
1200	3/4-L		1/2-ML	1/2-H/3/4-MH
1300		1/2-ML	1/2-M	3/4-H
1400	1/2-ML	1/2-M	1/2-MH	
1500	1/2-ML	1/2-MH	1/2-H/3/4-ML	
1600	1/2-MH	1/2-H/3/4-ML	3/4-M	
1700	1/2-H/3/4-ML	3/4-M	3/4-MH	
1800	3/4-M	3/4-MH	3/4-H	
1900	3/4-MH	3/4-H		
2000	3/4-H			
2100				



CHART GUIDELINES

Chart cells reference Motor HP and Motor Speed for performance (motor to be wired accordingly).

H - High
M - Medium
L - Low

MH - Medium High
ML - Medium Low

Performance tested in accordance to AMCA STD 210-85.

Operating at Static Pressure ratings above listed data is not recommended.

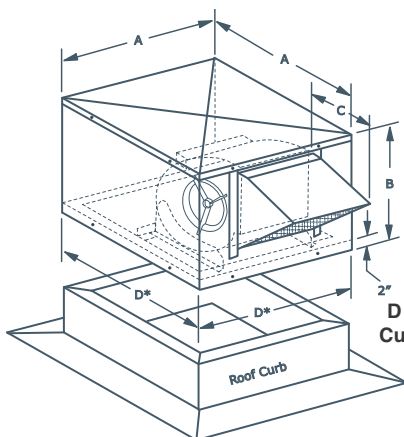
Performance drops off drastically and surging may occur.

Performance limited to green highlighted areas of the charts. Do not select non-green areas.

Motor HP's of 1/2, 3/4 and 1 are available in 115 Volt and 230 Volt in Single Phase ONLY.

DIMENSIONS

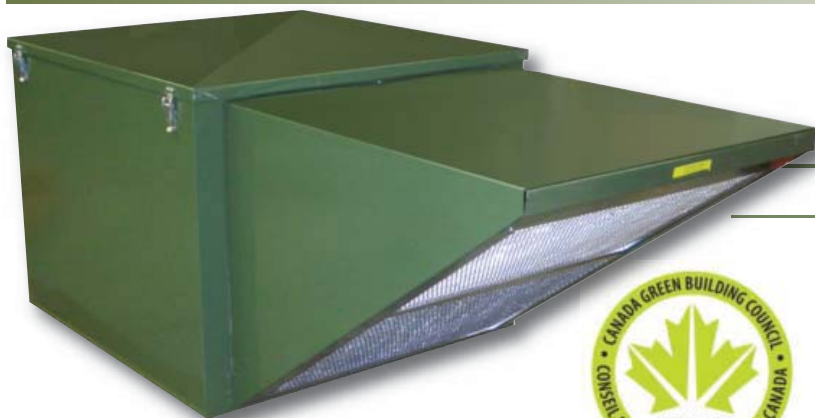
MODEL	A	B	C	* D INSIDE	SHAFT DIAMETER	UNIT WEIGHT (LBS) (without motor & drives)
309DD	24 3/8"	19 3/8"	10 5/8"	24"	3/4"	63
310DD	28 3/8"	21 3/8"	11 3/8"	28"	3/4"	88
312DD	32 3/8"	24 5/8"	13 1/8"	32"	3/4"	113



D is an inside dimension. Curb size must be smaller to allow for flashing.

GREEN SERIES DATA 310DD					
CFM	0.125" SP	0.25"	0.5"	0.75"	1"
500			1/2-L		
600				3/4-L	
700					
800		1/2-L			
900			3/4-L		
1000	1/2-L				
1100		3/4-L			1/2-ML
1200	3/4-L		1-L	1-L	1/2-ML
1300		1-L	1/2-ML	1/2-M	1/2-MH
1400	1-L	1/2-ML	1/2-M	1/2-MH	1/2-H
1500	1/2-ML	1/2-M	1/2-MH	1/2-H	3/4-ML
1600	1/2-M	1/2-MH	1/2-H	3/4-ML	3/4-M/1-H
1700	1/2-MH	1/2-H	3/4-ML	3/4-M	3/4-MH
1800	1/2-H	3/4-ML	3/4-M	3/4-MH/1-M	3/4-H
1900	3/4-ML	3/4-M	3/4-MH/1-ML	3/4-H/1-MH	
2000			3/4-MH/1-ML	1-H	
2100	3/4-M	3/4-MH/1-ML	3/4-H		
2200	3/4-MH	3/4-H	1-M		
2300	3/4-H/1-ML	1-M	1-MH		
2400	1-M	1-MH	1-H		
2500	1-MH	1-H			
2600	1-H				
2700					

GREEN SERIES DATA 312DD								
CFM	0.125" SP	0.25"	0.5"	0.75"	1"	1.25"	1.5"	1.75"
700		1/2-L	3/4-L	1-L				
800								
900		3/4-L						
1000			1-L	1/2-M	1/2-H			
1100	1/2-L		1/2-ML	1/2-MH	3/4-ML			
1200	3/4-L	1-L	1/2-M	1/2-H	3/4-ML			
1300		1/2-ML	1/2-MH	3/4-ML		3/4-MH/1-ML		
1400		1/2-M	1/2-H	3/4-M	3/4-MH	3/4-H		
1500	1-L	1/2-MH	3/4-ML	3/4-MH	3/4-H/1-ML	1-M		
1600	1/2-ML	1/2-H	3/4-M	3/4-MH		1-M		
1700	1/2-M	3/4-ML	3/4-M	3/4-H/1-ML	1-M	1-MH		
1800	1/2-MH	3/4-M	3/4-MH/1-ML	3/4-H	1-MH	1-H		
1900	1/2-H		3/4-H	1-M	1-MH	1-H		
2000	3/4-ML	3/4-MH	3/4-H	1-MH	1-H			
2100	3/4-M	3/4-H/1-ML	1-M	1-MH				
2200		1-M	1-MH	1-H				
2300	3/4-MH		1-MH	1-H				
2400	3/4-H/1-ML	1-MH						
2500		1-H						
2600	1-M							
2700	1-MH							
2800	1-H							
2900								



GREEN SERIES SISDD

Side Intake Filtered Fresh Air Supply Units

PERFORMANCE SPECIFICATIONS

FEATURES

- High efficiency direct drive motor for energy efficient low maintenance applications.
- Side intake provides a means to meet supply and exhaust air separation in restaurant applications.
- Easy on-site addition of customer supplied air supply duct extension provides additional separation where necessary.
- Filters designed with large surface area for efficient filtration.
- Green weather resistant baked powder coat finish.

CHART GUIDELINES

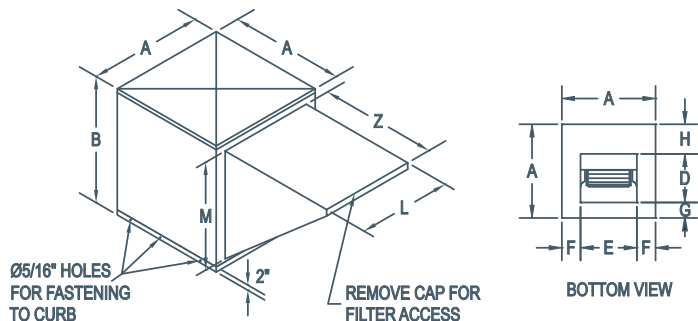
Chart cells reference Motor HP and Motor Speed for performance (motor to be wired accordingly).

H - High
M - Medium
L - Low

MH - Medium High
ML - Medium Low

Performance tested in accordance to AMCA STD 210-85.
Operating at Static Pressure ratings above listed data is not recommended.
Performance drops off drastically and surging may occur.
Performance limited to green highlighted areas of the charts.
Do not select non-green areas.
Motor HP's of 1/2, 3/4 and 1 are available in 115 Volt and 230 Volt in Single Phase ONLY.

DIMENSIONS



GREEN SERIES DATA SIS9DD				
CFM	0.125" SP	0.25"	0.5"	0.75"
700			1/2-L	3/4-L
800		1/2-L		1/2-ML
900	1/2-L		3/4-L	1/2-M
1000				1/2-MH
1100		3/4-L		1/2-H/3/4-ML
1200	3/4-L		1/2-ML	3/4-MH
1300			1/2-M	3/4-H
1400		1/2-ML	1/2-MH/3/4-ML	
1500	1/2-ML	1/2-M	1/2-H/3/4-M	
1600	1/2-M	1/2-MH/3/4-ML		
1700	1/2-MH/3/4-ML	1/2-H/3/4-M	3/4-H	
1800	1/2-H/3/4-M	3/4-MH		
1900	3/4-MH	3/4-H		
2000	3/4-H			
2100				

GREEN SERIES DATA SIS10DD					
CFM	0.125" SP	0.25"	0.5"	0.75"	1"
500				1/2-L	
600					
700			1/2-L		
800		1/2-L		3/4-L	
900					
1000	1/2-L		3/4-L		
1100		3/4-L		1-L	1/2-ML
1200	3/4-L		1-L		1/2-M/3/4-ML
1300		1-L			1/2-MH/3/4-M/1-ML
1400	1-L		1/2-ML	1/2-M	1/2-H/3/4-MH/1-M
1500		1/2-ML	1/2-M	1/2-MH	3/4-H/1-MH
1600	1/2-ML	1/2-M	1/2-MH	1/2-H	1-H
1700	1/2-M	1/2-MH	1/2-H		
1800	1/2-MH	1/2-H	3/4-ML	3/4-M	
1900	1/2-H	3/4-ML	3/4-M	3/4-MH/1-ML	
2000	3/4-ML	3/4-M	3/4-MH/1-ML	3/4-H/1-M	
2100	3/4-M	3/4-MH/1-ML	3/4-H/1-M	1-MH	
2200	3/4-MH/1-ML	3/4-H/1-M	1-MH	1-H	
2300	3/4-H/1-M	1-MH	1-H		
2400	1-MH	1-H			
2500	1-H				
2600					

GREEN SERIES DATA SIS12DD								
CFM	0.125" SP	0.25"	0.5"	0.75"	1"	1.25"	1.5"	1.75"
500			1/2-L					
600				3/4-L	1-L			
700								
800		1/2-L		1-L				
900			3/4-L					
1000	1/2-L							
1100		3/4-L	1-L					
1200				1/2-ML	1/2-M			
1300	3/4-L	1-L						
1400	1-L		1/2-ML	1/2-M	1/2-MH		1-ML	
1500		1/2-ML	1/2-M	1/2-MH	1/2-H			
1600	1/2-ML	1/2-M	1/2-MH	1/2-H	3/4-ML	1-ML	1-M	3/4-H
1700	1/2-M	1/2-MH	1/2-H	3/4-ML	1-ML	3/4-M	3/4-MH	1-MH
1800	1/2-MH	1/2-H	3/4-ML	1-ML	3/4-M	3/4-MH/1-M	3/4-H	
1900	1/2-H	3/4-ML	1-ML	3/4-M	3/4-MH/1-M	3/4-H	1-MH	1-H
2000	3/4-ML	1-ML	3/4-M	3/4-MH/1-M	3/4-H	1-MH	1-H	
2100	3/4-MH	3/4-M	3/4-MH/1-M	3/4-H	1-MH	1-H		
2200	1-ML	3/4-MH/1-M	3/4-H	1-MH	1-H			
2300	3/4-MH/1-M	3/4-H	1-MH	1-H				
2400	3/4-H	1-MH	1-H					
2500	1-MH	1-H						
2600	1-H							
2700								

MODEL	A	B	D	E	F	G	H	L	M	Z	FILTERS		*INSIDE CABINET	UNIT WEIGHT (LBS) (without motors & drives)
											SIZE	QUANTITY		
SIS-9DD	24 3/8"	19 3/8"	10 1/4"	11 13/16"	6 9/32"	7 1/16"	7 1/16"	19 1/4"	16 9/16"	21 1/4"	16" x 24" x 1"	1	24" x 24"	70
SIS-10DD	28 3/8"	21 3/8"	11 3/8"	13 1/8"	7 5/8"	8 1/2"	8 1/2"	20 1/2"	18 9/16"	25 3/4"	15" x 20" x 1"	2	28" x 28"	87
SIS-12DD	32 3/8"	24 5/8"	13 7/16"	15 5/8"	8 3/8"	9 15/32"	9 15/32"	25 3/8"	21 9/16"	30 3/4"	20" x 25" x 1" & 16" x 25" x 1"	1 & 1	32" x 32"	117

* Curb size to be smaller than inside cabinet to allow for flashing and roofing.
** Includes filter section.



GREEN SERIES 700DD

Filtered Fresh Air Supply Units

PERFORMANCE SPECIFICATIONS

GREEN SERIES DATA 709DD				
CFM	0.125" SP	0.25"	0.5"	0.75"
600			1/2-L	
700				
800		1/2-L		3/4-L
900	1/2-L		3/4-L	
1000				
1100		3/4-L		1-L
1200	3/4-L		1-L	1/2-ML
1300		1-L	1/2-ML	1-2-M
1400	1-L	1/2-ML	1/2-M	1/2-MH
1500	1/2-ML	1/2-M	1/2-MH	1/2-H/3/4-ML
1600	1/2-M	1/2-MH	1/2-H	3/4-M/1-M
1700	1/2-MH	1/2-H	3/4-ML	3/4-MH/1-MH
1800	1/2-H	3/4-ML	3/4-M	3/4-H/1-H
1900	3/4-ML	3/4-M	3/4-MH/1-ML	
2000	3/4-M	3/4-MH/1-ML	3/4-H/1-M	
2100	3/4-MH/1-ML	3/4-H	1-MH	
2200	3/4-H	1-M	1-H	
2300	1-M	1-MH		
2400	1-MH	1-H		
2500	1-H			
2600				

GREEN SERIES DATA 710DD						
CFM	0.125" SP	0.25"	0.5"	0.75"	1"	1.25"
600			1/2-L			
700					3/4-L	
800		1/2-L		3/4-L	1-L	
900				1-L		
1000	1/2-L		3/4-L			
1100						
1200		3/4-L	1-L		1/2-ML	3/4-ML
1300	3/4-L				1/2-M	1/2-MH/3/4-M
1400		1-L	1/2-ML	1/2-M	1/2-MH	1/2-H/3/4-MH
1500	1-L	1/2-ML	1/2-M	1/2-MH	1/2-H	3/4-H
1600	1/2-ML	1/2-M	1/2-MH	1/2-H	3/4-ML	
1700	1/2-M	1/2-MH	1/2-H	3/4-ML	3/4-M	
1800	1/2-MH	1/2-H	3/4-ML	3/4-M	3/4-MH/1-ML	1-ML
1900	1/2-H	3/4-ML	3/4-M	3/4-MH/1-ML	3/4-H	1-M
2000	3/4-ML	3/4-M	3/4-MH/1-ML	3/4-H	1-M	1-MH
2100	3/4-M	3/4-MH/1-ML	3/4-H	1-M	1-MH	1-H
2200	3/4-MH/1-ML	3/4-H	1-M	1-MH	1-H	
2300	3/4-H	1-M	1-MH	1-H		
2400	1-M	1-MH	1-H			
2500	1-MH	1-H				
2600	1-MH	1-H				
2700	1-MH	1-H				
2800						

GREEN SERIES DATA 712DD								
CFM	0.125" SP	0.25"	0.5"	0.75"	1"	1.25"	1.5"	1.75"
700				3/4-L	1-L			
800		1/2-L	3/4-L					
900								
1000	1/2-L				1-L			
1100		3/4-L			1/2-M			
1200			1-L	1/2-ML	1/2-MH			
1300	3/4-L			1/2-M	1/2-MH			
1400		1-L	1/2-ML	1/2-MH	1/2-H/3/4-ML			
1500	1-L	1/2-ML	1/2-M	1/2-MH	1/2-H			
1600	1/2-ML	1/2-M	1/2-MH	1/2-H	3/4-M	3/4-MH	1-ML	
1700	1/2-M	1/2-MH	1/2-H	3/4-ML	3/4-M	3/4-MH	3/4-H	
1800	1/2-MH	1/2-H	3/4-ML	3/4-M	3/4-MH/1-ML	3/4-H	1-M	
1900	1/2-H	3/4-ML	3/4-M	3/4-MH/1-ML	3/4-H	1-ML	1-MH	1-MH
2000	3/4-ML	3/4-M	3/4-MH/1-ML	3/4-H	1-M	1-MH	1-H	1-H
2100	3/4-M	3/4-MH/1-ML	3/4-H	1-M	1-MH	1-H		
2200	3/4-MH/1-ML	3/4-H	1-M	1-MH	1-H			
2300	3/4-H	1-M	1-MH	1-H				
2400	1-M	1-MH	1-H					
2500	1-MH	1-H						
2600	1-MH	1-H						
2700	1-MH	1-H						
2800	1-H							
2900								

FEATURES

- High efficiency direct drive motor for energy efficient low maintenance applications.
- Green, weather resistant baked powder coat finish.
- Latched top cover provides convenient service access to 4 filters.

CHART GUIDELINES

Chart cells reference Motor HP and Motor Speed for performance (motor to be wired accordingly).

H - High MH - Medium High
M - Medium ML - Medium Low
L - Low

Performance tested in accordance to AMCA STD 210-85.

Operating at Static Pressure ratings above listed data is not recommended.

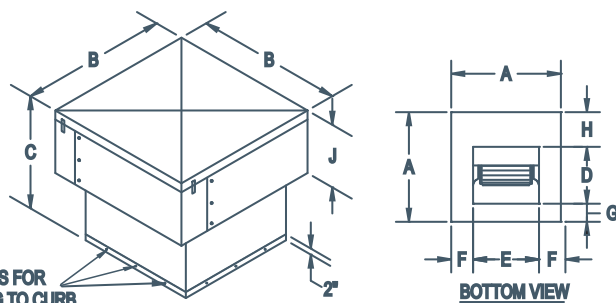
Performance drops off drastically and surging may occur.

Performance limited to green highlighted areas of the charts.

Do not select non-green areas.

Motor HP's of 1/2, 3/4 and 1 are available in 115 Volt and 230 Volt in Single Phase ONLY.

DIMENSIONS



5/16" HOLES FOR FASTENING TO CURB

MODEL	A	B	C	D	E	F	G	H	J	FILTERS		*INSIDE CABINET	UNIT WEIGHT (LBS) (without motors & drives)
										SIZE	QUANTITY		
709DD	24 3/8"	32 3/8"	24 3/8"	10 1/4"	11 13/16"	6 9/32"	7 1/16"	7 1/16"	10 1/4"	10"x 20"	4	24"x 24"	84
710DD	28 3/8"	38 1/2"	28 1/4"	11 3/8"	13 1/8"	7 5/8"	8 1/2"	8 1/2"	12 1/4"	12"x 24"	4	28"x 28"	108
712DD	32 3/8"	42 5/8"	31 3/8"	13 7/16"	15 5/8"	8 3/8"	9 15/32"	9 15/32"	16 1/2"	16"x 25"	4	32"x 32"	150

* Curb size to be smaller than inside cabinet to allow for flashing and roofing.



G-DDE SERIES

Centrifugal, Forward Curved, Direct Drive
with EC Motors DWDI Blowers



with
EC MOTORS
for energy savings

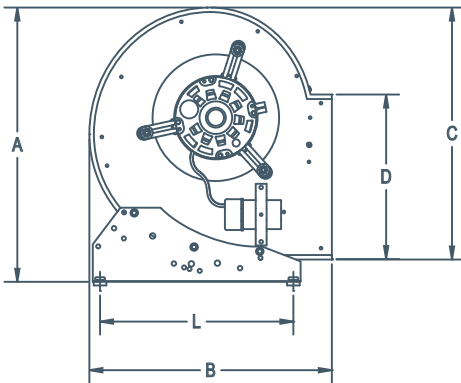
FEATURES

- High efficiency motor.
- Corrosion resistant G90 galvanized housing.
- Universal base for 4 position discharge.
- Heavy duty, resilient mount, motor mounting bracket.

PERFORMANCE SPECIFICATIONS

STATIC PRESSURE - IN W.G.									
MODEL - HP	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.6
CFM @ Medium Speed (see curves for High & Low speed performance)									
G9-7-DDE-1/3	--	--	1148	1041	841	--	--	--	--
G9-7-DDE-1/2	1363	1270	1170	1045	865	--	--	--	--
G9-DDE-1/3	--	--	1213	1025	742	--	--	--	--
G9-DDE-1/2	--	1444	1316	1172	979	--	--	--	--
G10-8-DDE-1/2	--	--	--	--	1372	1238	--	--	--
G10-8DDE-3/4	--	--	--	--	--	1535	800	--	--
G10-DDE-1/2	--	--	--	1514	1335	1115	--	--	--
G10-DDE-3/4	--	--	1665	1581	1486	1379	1000	--	--
G12-9-DDE-3/4	--	--	--	--	--	--	1358	1174	870
G12-10-DDE-3/4	--	--	--	--	--	--	1393	1102	--

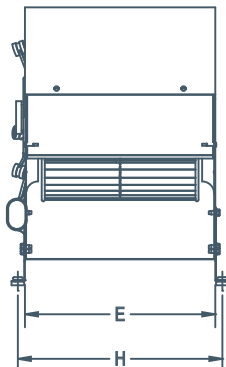
DIMENSIONS



UNIVERSAL BASE FOR 4 POSITION DISCHARGE



HEAVY DUTY MOTOR MOUNTING BRACKET



MODEL - HP	A	B	C	D	E	H	L	UNIT WEIGHT (LBS) (without motor & drives)
G9-7-DDE-1/3	16 15/16"	15 1/16"	15 9/16"	10 1/4"	9 3/16"	10 3/16"	11 3/4"	33
G9-7-DDE-1/2								36
G9-DDE-1/3	16 15/16"	15 1/16"	15 9/16"	10 1/4"	11 13/16"	12 13/16"	11 3/4"	37
G9-DDE-1/2								39
G10-8-DDE-1/2	19"	16 3/4"	17 3/8"	11 3/8"	10 1/2"	11 1/2"	13 3/8"	40
G10-8DDE-3/4								41
G10-DDE-1/2	19"	16 3/4"	17 3/8"	11 3/8"	13 1/8"	14 1/8"	13 3/8"	42
G10-DDE-3/4								45
G12-9-DDE-3/4	22 1/8"	19 1/2"	20 5/8"	13 7/16"	12 1/4"	13 1/4"	16 1/8"	46
G12-10-DDE-3/4	22 1/8"	19 1/2"	20 5/8"	13 7/16"	13 1/8"	14 1/8"	16 1/8"	47

DAMPERS & LOUVRES	MODELS 3000, 3100, 3200	G1
	Backdraft Dampers	
	MODELS 3000M, 3100M, 3200M	G1
	Motorized Backdraft Dampers	
	EAL-2, EAL-2F	G2
	Fixed Louvres	
	EAL-4, EAL-4F	G2
	Fixed Louvres	
	EAL-6, EAL-6F	G3
	Fixed Louvres	
	EAL-4-0, EAL-4-0F	G3
	Operating Louvres	
	SCD SERIES	G4
	Steel Control Dampers Standard Construction	
	SCD-LL SERIES	G4
	Steel Control Dampers Low Leakage Construction	
	SCD-LL-HD	G5
Heavy Duty Control Dampers Low Leakage Construction		
SCD-RD SERIES	G6	
Steel Round Control Dampers Standard Construction		
SCD-RD-LL	G6	
Steel Round Control Dampers Low Leakage Construction		
TYPE A	G7	
Fire Dampers Vertical & Horizontal		
TYPE B	G7	
Fire Dampers Vertical & Horizontal		
CD-RD	G8	
Round Ceiling Dampers Standard Construction		
AD - AF	G8	
Aluminum Control Dampers		
ADI - AFI	G9	
Aluminum Control Dampers		

BACKDRAFT DAMPERS

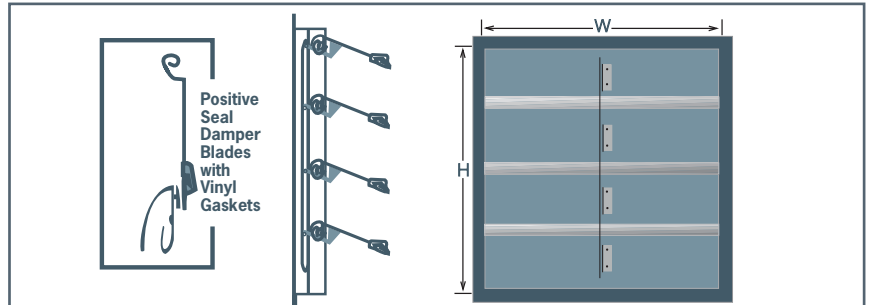
MODEL 3000, 3100, 3200



BLADE OPTION:

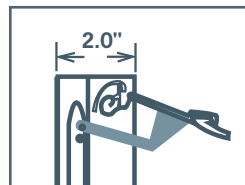
SR: 0.016" - 0.020" roll formed aluminum with vinyl gasket - used with fan motors under 1 HP

SE: 0.05" extruded aluminum with vinyl gasket - used with fan motors over 1 HP

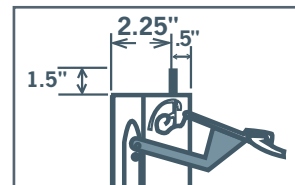


FEATURES

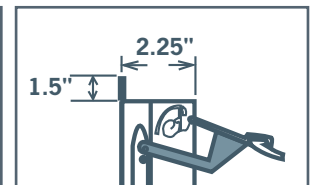
- Sturdily constructed from all aluminum extrusions.
- Roll form blades or extruded aluminum blades.
- Available in any combination of width and height.
- Less than 1% leakage.



SERIES 3000
SIDE MOUNT - NO FLANGE



SERIES 3100
INWARD MOUNT



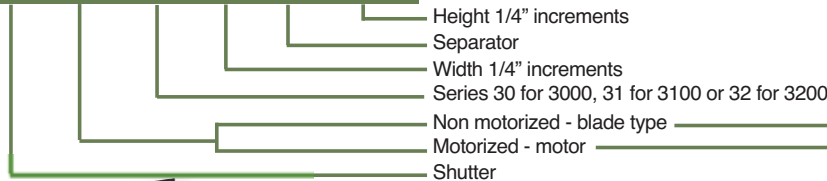
SERIES 3200
OUTWARD MOUNT



3000 & 3100 Series are undercut by 1/4".
3200 Series is cut exact.

ORDERING METHOD FOR BACKDRAFT & MOTORIZED BACKDRAFT DAMPERS

S R 32 16 X 16



- R** - for Roll form (fans using under 1 HP motors)
 - E** - for Extruded (heavier blades for motors above 1 HP)
 - X** - for 115/230V
 - Z** - for 24V AC
- Extruded blades with multi products motor is standard*



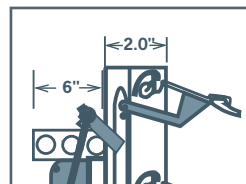
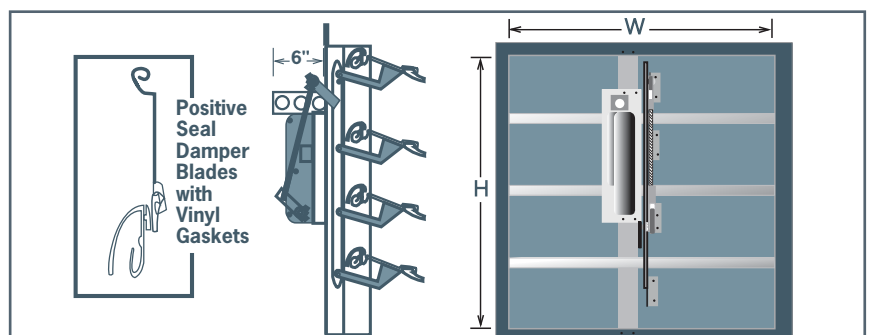
See page K5 in Controls & Thermostats section for Multi-Products replacement motors.



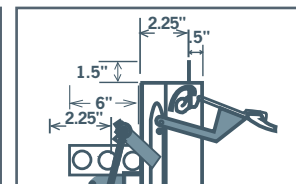
Non-standard shutters are non-returnable and cannot be cancelled.

MOTORIZED BACKDRAFT DAMPERS

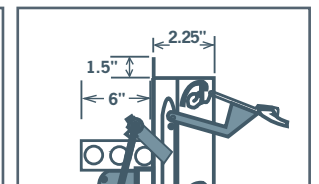
MODEL 3000M, 3100M, 3200M



SERIES 3000M
SIDE MOUNT - NO FLANGE



SERIES 3100M
INWARD MOUNT



SERIES 3200M
OUTWARD MOUNT

FEATURES

- Sturdily constructed from all aluminum extrusions
- Damper motor factory installed (24V, 115/230V - must specify at time of order)
- Maximum 30.25 sq. feet per motor
- Positive seal keeps leakage less than 1%
- Blades are 0.5" extruded aluminum with vinyl gasket
- Double panel available 30" and up
- Standard multi products motor



3000 & 3100 Series are undercut by 1/4".
3200 Series is cut exact.

ACCESSORIES

- Bird screen
- Special coatings
- Insect screen
- End switch



FIXED LOUVRES MODEL - EAL-2, EAL-2F

Normally used as an exhaust louver where the total CFM is relatively low

Models EAL-2 and EAL-2F are 2" deep louvres with blades set at a 30° angle. Their slim design may be used in curtain wall, interior or exterior partitions and window walls. All louvres are furnished with 1/2" x 1/2" regalvanized wire birdscreen.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **MATERIAL:** .081" (2.06 mm) thick, 6063-T5 alloy, extruded aluminum
- **BLADE DESIGN:** set at 30° spaced 2" (50 mm) on centres with storm proof performance
- **CONSTRUCTION:** blade assembly is designed to prevent bowing and distortions. All corners are mitered to provide a neat, uniform extrusion profile at the perimeter.
- **SCREENS:** 1/2" x 1/2" regalvanized, 19 gauge wire
- **FINISHES:** mill is standard finish, anodized or baked enamel available at additional cost.
- **SIZES:** per customer specification multiple sections may be required. Consult factory. Minimum size available: 6" x 6".

ORDERING METHOD

- **No flange:** EL2-W x H eg) EL2-16x16
- **With flange:** EL2F-W x H eg) EL2F-16x16



FIXED LOUVRES MODEL - EAL-4, EAL-4F

Design provides high free area and can exhaust a high volume of air with little static pressure.

Models EAL-4 and EAL-4F are 4" deep louvres with blades set at a 30° angle, ensuring positive drainage which prevents discoloration of building walls. All louvres are furnished with 1/2" x 1/2" regalvanized wire birdscreen.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **MATERIAL:** .081" (2.06 mm) thick, 6063-T5 alloy, extruded aluminum
- **BLADE DESIGN:** set at 35° spaced 4" (100 mm) on centres with storm proof performance
- **CONSTRUCTION:** blade assembly is designed to prevent bowing and distortions. All corners are mitered to provide a neat, uniform extrusion profile at the perimeter.
- **SCREENS:** 1/2" x 1/2" regalvanized, 19 gauge wire
- **FINISHES:** mill is standard finish, anodized or baked enamel available at additional cost.
- **SIZES:** per customer specification multiple sections may be required. Consult factory. Minimum size available: 6" x 12".

ORDERING METHOD

- **No flange:** EL4-W x H eg) EL4-24x24
- **With flange:** EL4F-W x H eg) EL4F-24x24



FIXED LOUVRES MODEL - EAL-6, EAL-6F

Design provides protection from water penetration while retaining high free area.

Models EAL-6 and EAL-6F are 6" deep louvres with blades set at a 45° angle. Their slim design may be used in curtain wall, interior or exterior partitions and window walls. The design provides protection from water penetration while retaining high free area. All louvres are furnished with 1/2" x 1/2" regalvanized wire birdscreen.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **MATERIAL:** .085" (2.16 mm) thick, 6063-T5 alloy, extruded aluminum
- **BLADE DESIGN:** set at 45° spaced 7 1/4" (184.2 mm) on centres with storm proof performance
- **CONSTRUCTION:** blade assembly is designed to prevent bowing and distortions. All corners are mitered to provide a neat, uniform extrusion profile at the perimeter.
- **SCREENS:** 1/2" x 1/2" regalvanized wire
- **FINISHES:** mill is standard finish, anodized or baked enamel available at additional cost.
- **SIZES:** available in any combination of width or height (multiple sections may be required). Minimum size available: 6" x 16".

ORDERING METHOD

- **No flange:** EL6-W x H eg) EL6-24x24
- **With flange:** EL6F-W x H eg) EL6F-24x24



OPERATING LOUVRES MODEL - EAL-4-0, EAL-4-0F

Ideal for applications in which the available space does not allow for a fixed louver and a backdraft damper.

Models EAL-4-0 and EAL4-0F are 4" deep operable louvres with storm proof blades which pivot on aluminum pins rotating in nylon flanged bearings. Manual or motor operators may be employed. Bird screen is 1/2" x 1/2" regalvanized wire and normally mounted on the face of the louvres.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **MATERIAL:** .085" (2.16 mm) thick, 6063-T5 alloy, extruded aluminum
- **BLADE DESIGN:** adjustable to 6 1/8" (156 mm) on centres with storm proof performance, 45° spaced
- **CONSTRUCTION:** blade assembly is designed to prevent bowing and distortions. Complete with jam and blade seals.
- **SCREENS:** 1/2" x 1/2" (12.7 mm x 12.7 mm) regalvanized wire
- **FINISHES:** mill is standard finish, anodized or baked enamel available at additional cost.
- **SIZES:** available in any combination of width or height (multiple sections may be required). Minimum size available: 6" x 16".
- **STANDARD METHOD OF OPERATION:** Chain. Belimo actuators available. See page K5 in Controls & Thermostats section.

ORDERING METHOD

- **No flange:** EL40-W x H eg) EL40-24x24
- **With flange:** EL40F-W x H eg) EL40F-24x24



SCD - STEEL CONTROL DAMPERS STANDARD CONSTRUCTION

The SCD series control dampers have been designed and tested to provide a reliable cost effective control damper where tight sealing is NOT of primary importance (for tight sealing dampers, use model SCD-LL). Its design lets it to be used in either exhaust or intake applications.

The SCD series rigid frame and integrally braced corners provide true damper alignment that greatly resists being installed out of square or out of flat. Available in either parallel or opposed blade models. SCD dampers less than 48" wide x 12" high are furnished with a low profile flat top and bottom to maximize free area. Dampers may be made to accommodate higher than the recommended 2.5" w.g. static pressure. Contact factory if application involves pressures in excess of 2.5" w.g. or velocities greater than 1500 fpm. Factory installed operators are available. Consult factory for details.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **FRAME:** roll-formed galvanized steel hat section with staked corners with integral bracing.
- **BLADE:** 16-18 gauge triple-vee profile roll-formed galvanized steel. Minimum width: 4.25". Maximum width: 7.25". Opposed blades are standard (for parallel, please specify).
- **BEARINGS:** bronze oilite, press fit into frame
- **AXLES:** square, plated steel
- **LINKAGES:** concealed in frame. Leakage bars are 12 gauge thick galvanized steel.
- **FINISH:** mill galvanized
- **EXTENDED SHAFT:** 0.5" diameter, plated steel
- **MAXIMUM TEMPERATURE:** 250°F
- **SIZES:** Minimum size: 5" W x 4" H; Maximum size: single section - 48" W x 72" H; Multiple section - unlimited size

See page K5 in Controls & Thermostats section for Belimo motor options.

ORDERING METHOD

MODEL NOMENCLATURE EXAMPLE

DAMPER STYLES: SCD = SD; SCD-LL = SL

DAMPER STYLE	PLACEHOLDER FOR ACTUATOR (IF REQUIRED)
SD	A
24.00	24.00
WIDTH	HEIGHT
A=MOUNTED IN AIRSTREAM B=MOUNTED OUT OF AIRSTREAM	



SCD-LL - STEEL CONTROL DAMPERS LOW LEAKAGE CONSTRUCTION

The SCD-LL series control dampers have been designed and tested to provide an extremely tight sealing damper which is cost effective for the majority of HVAC applications. They are generally recommended for face velocities up to 2000 fpm and static pressures to 2.5" w.g. (Note: for systems in excess of 2.5 w.g., contact the factory.)

The SCD-LL series dampers have inflatable pressure sensitive jamb and blade edge seals to provide the ultimate in sealing characteristics without unduly increasing torque requirements. Available in either parallel or opposed (standard) blade models.

SCD-LL dampers less than 48" wide x 12" high are furnished with a low profile flat top and bottom to maximize free area. SCD-LL dampers have a rigid frame and integrally braced corners that provide true damper alignment that greatly resists being installed out of square or out of flat. This ensures on site performance equal to test results. Factory installed operators are available. Consult factory for details.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **FRAME:** roll-formed galvanized steel hat section with staked corners with integral bracing.
- **BLADE:** 16-18 gauge triple-vee profile roll-formed galvanized steel. Minimum width: 4.25". Maximum width: 7.25". Opposed blades are standard (for parallel, please specify).
- **BEARINGS:** bronze oilite. Press into frame.
- **SEALS:** pressure sensitive PVC blade edge & flexible metal jamb seals
- **LINKAGES:** concealed in frame. Leakage bars are .125" thick plated steel.
- **FINISH:** mill galvanized
- **EXTENDED SHAFT:** 0.5" diameter, plated steel
- **MAXIMUM TEMPERATURE:** 250°F
- **SIZES:** Minimum size: 5" W x 4" H; Maximum size: single section - 48" W x 72" H; Multiple section - unlimited size

PERFORMANCE DATA

The SCD-LL dampers have been tested to AMCA Standard 500-D with the following results:

	AT 1.0" w.g.	AT 2.5" w.g.	AT 4.0" w.g.
LEAKAGE (cfm/SQ FT)	3.5	5.0	7.0



SCD-LL-HD - HEAVY DUTY CONTROL DAMPERS LOW LEAKAGE CONSTRUCTION

The SCD-LL-HD series dampers have been designed and tested to provide rigid, robust and yet cost effective control dampers for special applications involving high pressure up to 9.0" w.g.

The SCD-LLHD dampers have a pressure sensitive jamb and the blade edge seals to provide the ultimate in sealing characteristics without unduly increasing torque requirements.

The SCD-LL-HD series damper's rigid frame and integrally braced corners provide true damper alignment that greatly resists being installed out of square or out of flat. This ensures on site performance equal to test results. Factory installed electric motors are available. Consult factory for details.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- **FRAME:** roll-formed galvanized steel hat section with staked corners with integral bracing & roll-formed galvanized steel C channel insert welded to provide equivalent of 12 gauge steel.
- **BLADE:** 16 gauge roll-formed galvanized steel & 18 gauge roll-formed galvanized steel continuous rigidizing section to provide equivalent of 10 gauge steel.
- **BEARINGS:** bronze oilite, press fit into frame
- **AXLES:** square, plated steel PVC
- **SEALS:** pressure sensitive, dual durometer blade edge seals and flexible metal jamb seals

- **LINKAGES:** concealed in frame. Leakage bars are 12 gauge thick galvanized steel
- **FINISH:** mill galvanized
- **EXTENDED SHAFT:** 0.5" diameter, plated steel
- **MAXIMUM TEMPERATURE:** 250°F
- **SIZES:** **Minimum size:** 8" W x 8" H (203 mm x 203 mm); **Maximum size:** single section - 60" W x 72" H (1524 mm x 1829 mm); **Multiple section** - unlimited size.

See page K5 in Controls & Thermostats section for Belimo motor options.

PERFORMANCE DATA

The SCD-LL-HD dampers have been tested to **AMCA Standard 500-D** with the following results:

	AT 1.0" w.g.	AT 4.0" w.g.	AT 8.0" w.g.	AT 8.0" w.g.
LEAKAGE (cfm/SQ FT)	3.5	7.0	9.8	11.2

OPTIONAL CONSTRUCTION

- **BEARINGS:** nylon, press fit into frame
- Silicone blade edge seals

ORDERING METHOD

MODEL NOMENCLATURE EXAMPLE
DAMPER STYLES: SCD-LL-HD = SL-HD

DAMPER STYLE

SL-HD

WIDTH

24.00

x

24.00

HEIGHT

00

0A

PLACEHOLDER FOR ACTUATOR (IF REQUIRED)

A=MOUNTED IN AIRSTREAM
B=MOUNTED OUT OF AIRSTREAM



NOTE: dampers are furnished approximately 1/4" smaller than given duct dimensions. Not recommended with blades running vertically. All dampers 32" and over are supplied with Jack shafting.

SCD-RD - STEEL ROUND CONTROL DAMPERS STANDARD CONSTRUCTION



The SCD-RD series control dampers have been designed and tested to provide a reliable cost effective control damper where tight sealing is NOT of primary importance. (Note: tight sealing dampers, see model # SCD-RD-LL-88).

Note Dampers are furnished approximately 1/8" smaller than given duct dimensions.

Factory installed electric operators are available when dampers are ordered with motor standard off bracket. Consult factory for details.

Note Non-standard dampers are non-returnable and cannot be cancelled.

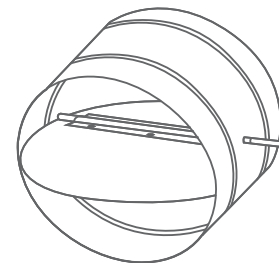
FEATURES

- **FRAME:** galvanized steel, rolled reinforcement.

DIAMETER	GAUGE
5" - 9"	22 ga.
10" - 24"	20 ga.

- **BLADE:** galvanized steel with welded channel reinforcement.
- **BEARINGS:** bronze oilite
- **AXLES:** 3/8" square plated steel

- **FINISH:** mill galvanized
- **EXTENDED SHAFT:** Removable. 1/2" diameter, plated steel
- **MAXIMUM TEMPERATURE:** 200°F
- **DAMPER SIZES:** 5" to 24" diameter



ORDERING METHOD

- Use diameter required. SCD-RD-diameter eg) SCD-RD-10

SCD-RD-LL - STEEL ROUND CONTROL DAMPERS LOW LEAKAGE CONSTRUCTION



Note Dampers are furnished approximately 1/8" smaller than given duct dimensions.

The SCD-RD-LL series control dampers have been designed and tested to provide an extremely tight sealing damper which is cost effective for the majority of HVAC applications.

The SCD-RD-LL series dampers have pressure sensitive blade edge seals to provide the ultimate in sealing characteristics without unduly increasing torque requirements. Factory installed electric operators are available when dampers are ordered with motor stand off bracket. Consult factory for details.

Note Non-standard dampers are non-returnable and cannot be cancelled.

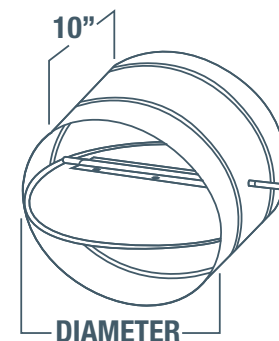
FEATURES

- **FRAME:** galvanized steel, rolled reinforcement.

DIAMETER	GAUGE
5" - 9"	22 ga.
10" - 24"	20 ga.

- **SEALS:** dual durometer pressure sensitive blade edge and jamb seals
- **BLADE:** galvanized steel with welded channel reinforcement.
- **BEARINGS:** bronze oilite

- **AXLES:** 3/8" square plated steel
- **FINISH:** mill galvanized
- **EXTENDED SHAFT:** Removable. 1/2" diameter, plated steel
- **MAXIMUM TEMPERATURE:** 200°F
- **DAMPER SIZES:** 5" to 24" diameter



ORDERING METHOD

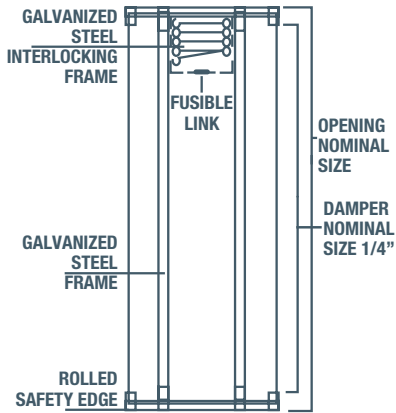
- Use diameter required. SCD-RD-LL-diameter eg) SCD-RD-LL-10

PERFORMANCE DATA

The SCD-LL-HD dampers have been tested to AMCA Standard 500-D with the following results:

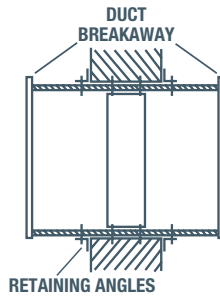
	AT 1.0" w.g.	AT 2.5" w.g.	AT 4.0" w.g.
LEAKAGE (cfm/SQ FT)	1.0	1.5	4.0

TYPICAL VERTICAL DAMPER

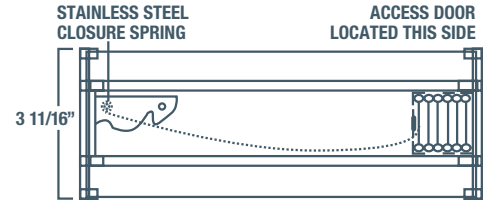


TYPE A - FIRE DAMPERS VERTICAL & HORIZONTAL

SUGGESTED INSTALLATION



TYPICAL HORIZONTAL DAMPER



FEATURES

- Narrow 2 3/16" or 1 1/2" frame
- Electro thermal links - 165°F standard
- Other fusible links 135°F, 212°F, 286°F
- Adjustable blade stack for combination fire/balancing damper
- Solenoid release

- Micro-switches for fan shut off and/or status control
- Stainless steel construction
- 1 1/2 hour rating standard - 3 hour optional vertical only
- Maximum size: 36" x 36"; Minimum size: 6" x 6"



Type A & Type B Fire Dampers are non-standard dampers and are not-returnable and cannot be cancelled.

SPECIAL NOTE



When the damper or damper assembly exceeds either 48" in width or 60" in height, the retaining angles should not be less than 1 1/2" x 1 1/2" x 1/8" thick and should be attached to the sleeve using 20 1/4" x 3/4" round head stove bolts at 8" on C. 1" long welds or No. 14 x 3/4" sheet metal screws at the same spacing.

TYPE B - FIRE DAMPERS VERTICAL & HORIZONTAL

FEATURES

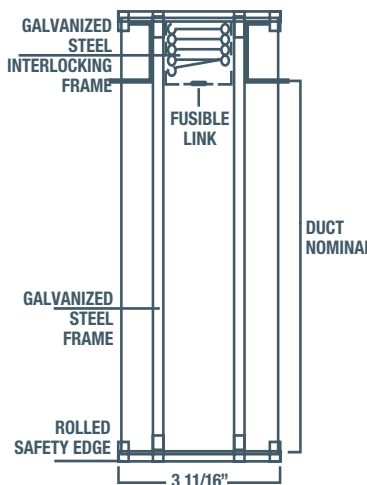
- Narrow 2 3/16" or 1 1/2" frame
- Electro thermal links - 165°F standard
- Other fusible links 135°F, 212°F, 286°F
- Adjustable blade stack for combination fire/balancing damper
- Solenoid release
- Micro-switches for fan shut off and/or status control
- Stainless steel construction
- 1 1/2 hour rating standard - 3 hour optional vertical only
- Maximum size: 36" x 36"; Minimum size: 6" x 4"

SPECIAL NOTE

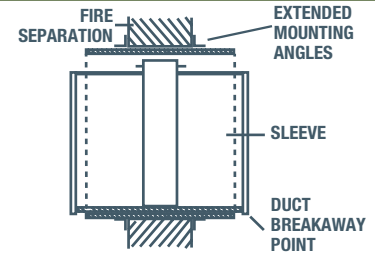


When the damper or damper assembly exceeds either 48" in width or 60" in height, the retaining angles should not be less than 1 1/2" x 1 1/2" x 1/8" thick and should be attached to the sleeve using 20 1/4" x 3/4" round head stove bolts at 8" on C. 1" long welds or No. 14 x 3/4" sheet metal screws at the same spacing.

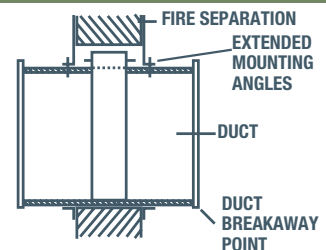
TYPICAL VERTICAL DAMPER



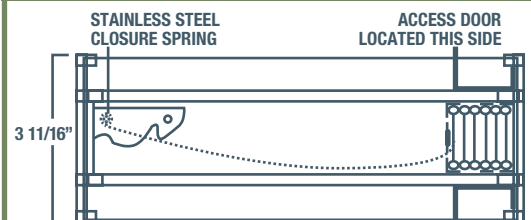
SUGGESTED INSTALLATION



ALTERNATE INSTALLATION

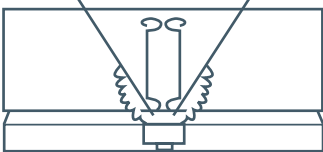
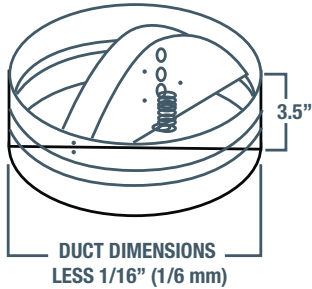


TYPICAL HORIZONTAL DAMPER



Type A & Type B Fire Dampers are non-standard dampers and are not-returnable and cannot be cancelled.

CD-RD - ROUND CEILING DAMPER STANDARD CONSTRUCTION



CD-RD-A-85
WITH ADJUSTABLE VOLUME CONTROLLER

MODELS

- CD-RD-85 - Round, butterfly-type (non asbestos)
- CD-RD-A-85 - Round, butterfly-type (non asbestos) with adjustable volume control

FEATURES

- **FRAME:** 24 gauge galvanized steel
- **BLADES:** 22 gauge galvanized steel.
- **THERMAL BLANKET:** non-asbestos ceramic blanket
- **SPRING:** corrosion resistant steel spring
- **FUSIBLE LINK:** replaceable 212°F standard. Other ratings available.
- **FINISH:** mill
- **SIZES:** Minimum size: 5"; Maximum size: 15"
(For sizes 16" to 20" CFSR-2 will be supplied.)
- **UL/UCL LISTINGS:** 3 - 4 hours

ORDERING METHOD

- Use diameter required: CD-RD-diameter eg) CD-RD-8



Non-standard dampers are non-returnable and cannot be cancelled.

AD - AF ALUMINUM CONTROL DAMPERS

FEATURES

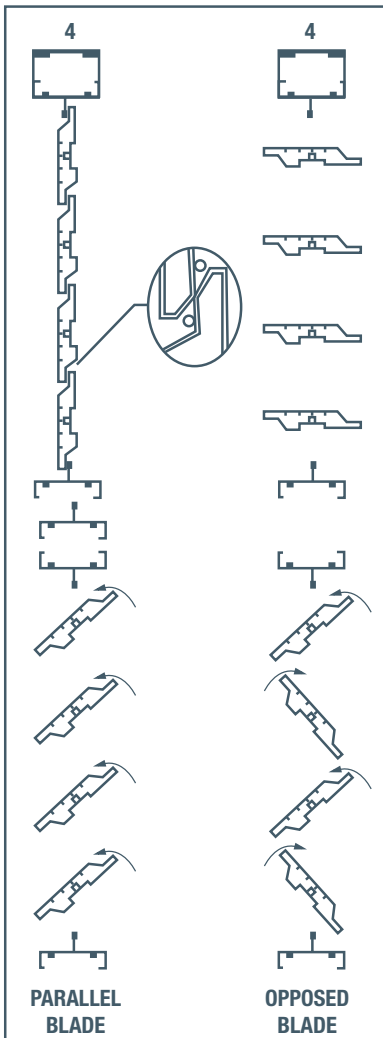
- **DEPTH BLADES CLOSED:** 4" (101 mm)
- **DEPTH BLADES OPEN:** 6 1/8" (156 mm)
- **MATERIAL:** extruded 6063-T5 aluminum
- **FRAME THICKNESS:** 0.081" (2.06 mm)
- **BLADE STYLE:** PB - parallel blade standard; OB - opposed blade on request
- **BLADE THICKNESS:** 0.081" (2.06 mm)
- **BEARINGS:** moulded synthetic (Acetal)
- **SEALS:** co-extruded santoprene vinyl blade seal and vinyl jamb seal
- **AXLES:** 3/8" aluminum square bar
- **FRAME STYLE:** specify DM for Duct Mount or FM for Flange Mount
- **MINIMUM HEIGHT:** 8" (203 mm) single blade; 15" (381 mm) multiple blade
- **MAXIMUM PANEL WIDTH:** 60" (1524 mm)
- **MAXIMUM PANEL HEIGHT:** 60" (1524 mm)
- **MAXIMUM SYSTEM PRESSURE:** 5" w.g. for 60" blades
- **LEAKAGE:** does not exceed 7 CFM/ft² (341/s/m²) against 4" w.g. (1 kPa) differential static pressure at -40°F (-40°C)
- **LINKAGE:** concealed in frame
- **STANDARD FINISH:** mill
- **STANDARD MOTOR INSTALLATION:** side shaft direct drive, extendable up to 12"

ORDERING METHOD

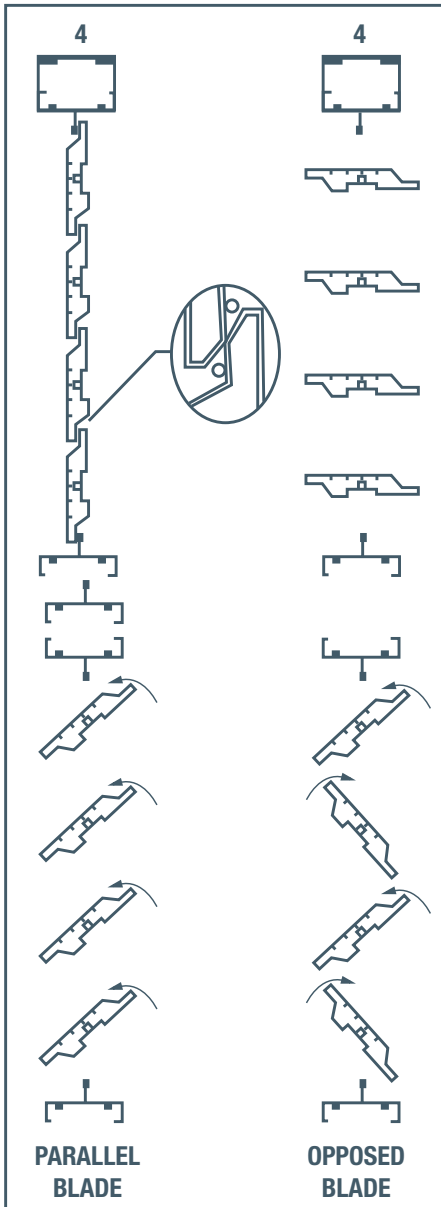
- **DUCT MOUNT:** AD-WxH
- **FLANGE MOUNT:** AF-WxH



Non-standard dampers are non-returnable and cannot be cancelled.



ADI - AFI ALUMINUM CONTROL DAMPERS



FEATURES

- **DEPTH BLADES CLOSED:** 4" (101 mm)
- **DEPTH BLADES OPEN:** 6 1/8" (156 mm)
- **MATERIAL:** extruded 6063-T5 aluminum
- **FRAME THICKNESS:** 0.081" (2.06 mm)
- **BLADE STYLE:** **PB** - parallel blade standard; **OB** - opposed blade on request
- **BLADE THICKNESS:** 0.081" (2.06 mm)
- **BEARINGS:** dual bearing system, consists of Engineered thermoplastic bearings (Acetal)
- **SEALS:** co-extruded santoprene vinyl blade seal and vinyl jamb seal
- **AXLES:** 3/8" aluminum square bar
- **FRAME STYLE:** specify **DM** for Duct Mount or **FM** for Flange Mount
- **FRAME INSULATION:** polystyrene insulation
- **BLADE INSULATION:** 60" blades are thermally broken high density polyurethane non-CFC foam (R-2.25)
- **MINIMUM HEIGHT:** 8" (203 mm) single blade; 15" (381 mm) multiple blade
- **MAXIMUM PANEL WIDTH:** 60" (1524 mm)
- **MAXIMUM PANEL HEIGHT:** 60" (1524 mm)
- **MAXIMUM PANEL SIZE:** 20 square feet
- **MAXIMUM SYSTEM PRESSURE:** 4" w.g.
- **LEAKAGE:** does not exceed 7 CFM/ft² (341/s/m²) against 4" w.g. (1 kPa) differential static pressure at -40°F (-40°C)
- **LINKAGE:** concealed in frame
- **STANDARD FINISH:** mill
- **STANDARD MOTOR INSTALLATION:** side shaft direct drive, extendable up to 12"
- **OPERATING TEMPERATURE RANGE:** -40° to +200°F

ORDERING METHOD

- **DUCT MOUNT:** ID-WxH
- **FLANGE MOUNT:** FD-WxH



Non-standard dampers are non-returnable and cannot be cancelled.

EQUIPMENT BLOWERS (OEM)

CCF SERIES	H1
Centrifugal, Forward Curved, Direct Drive	
G-DD SERIES	H2
Centrifugal, Forward Curved, Direct Drive DWDI Blowers	
G SERIES	H3
Double Inlet Belt Drive Blowers	
800 SERIES	H4
Double Width, Double Inlet Blowers - with Frame	
900 SERIES	H5
Double Width, Double Inlet, Framed Heavy Duty Blowers - with Pillow Block Bearings	
900-C SERIES	H6
Economy Double Width, Double Inlet, Heavy Duty Blowers - with Pillow Block Bearings	
400 SERIES	H7
FC Exhauster Belt Drive Utility Blowers	
900-BI SERIES	H8
Double Width, Double Inlet Backward Inclined Blowers	
BIDI SERIES	H9
Double Width, Double Inlet Backward Inclined Blowers	
DPL & DPL-AF SERIES	H10
Flat Blade & Air Foil Blade Plenum Fans	



CCF SERIES CONDENSER COOLING FANS

Energy efficient cooling fans designed to be used to help dissipate heat from condensers, heat pumps or refrigeration equipment.



PLATE MOUNTED OPTION



GUARD MOUNTED OPTION

Canarm's CCF series fans are available from 10" to 32" with airflow ratings from 750 to 12,500 CFM.

CCF series fans feature high performance external rotor motors, are IP54 rated and have Class F insulation. There are four configurations and many voltages to meet all applications.

FEATURES

- Energy efficient
- IP54 construction for dust & moisture resistance
- Corrosion resistant epoxy paint finish
- OSHA guard
- Sealed bearings
- Variable speed
- Available with and without panels
- Sizes available from 10" to 32"

PERFORMANCE SPECIFICATIONS (230 V - 60 Hz)

MODEL	DIAMETER	POWER @ 460V (W)	MAXIMUM CFM			
			0" SP	0.125" SP	0.25" SP	0.50" SP
CCF10	10"	120	750	650	550	300
CCF12	12"	200	1350	1200	1000	600
CCF14	14"	180	1550	1400	1250	700
CCF16	16"	250	2300	2075	1850	950
CCF18	18"	300	2900	2650	2400	1400
CCF20	20"	500	4200	3900	3600	2800
CCF22	22"	600	4800	4500	4200	3200
CCF24	24"	750	6400	6100	5800	5200
CCF28	28"	1200	10000	9000	8000	6500
CCF32	32"	1200	12500	11000	9500	6300

MOTOR OPTIONS

MOTOR OPTIONS

115 / 230V / 1 / 60HZ

110 / 220V / 1 / 50HZ

208 - 230 / 460V / 3 / 60HZ

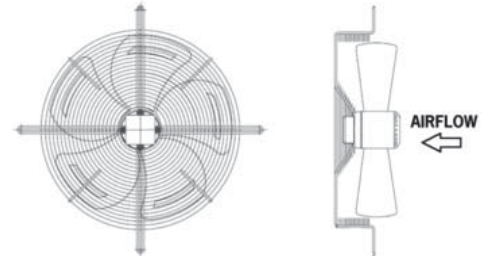
575 / 3 / 60HZ

380 / 3 / 50HZ

PRODUCT OPTIONS

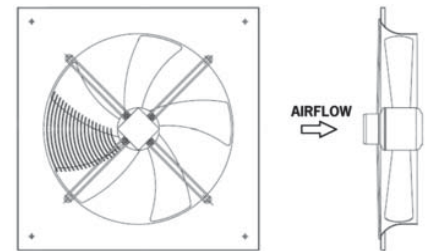
OPTION 1

GUARD MOUNTED



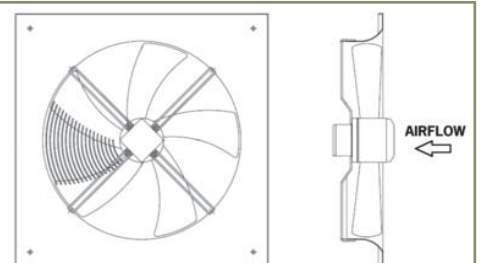
OPTION 2

PLATE MOUNTED A (DEEP VENTURI)



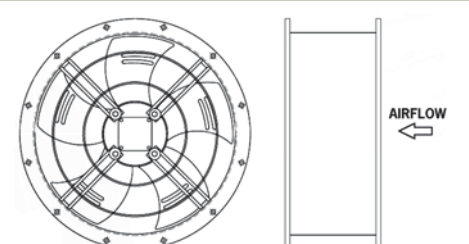
OPTION 3

PLATE MOUNTED B (DEEP VENTURI)



OPTION 4

SHORT DUCT STYLE





G-DD SERIES

Centrifugal, Forward Curved, Direct Drive DWDI Blowers

ALSO AVAILABLE IN GREEN SERIES.
SEE PRICE BOOK FOR DETAILS.

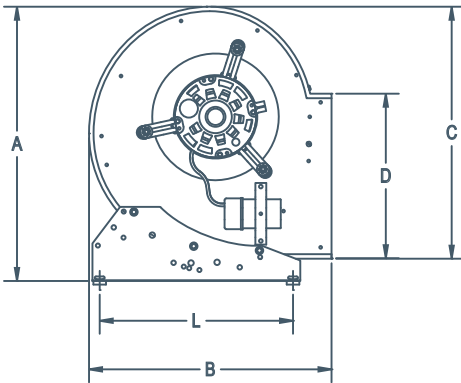
PERFORMANCE SPECIFICATIONS

STATIC PRESSURE - IN W.G.									
MODEL - HP	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.6
CFM @ Medium Speed (see curves for High & Low speed performance)									
G9-7-DD-1/3	--	--	1148	1041	841	--	--	--	--
G9-7-DD-1/2	1363	1270	1170	1045	865	--	--	--	--
G9-DD-1/3	--	--	1213	1025	742	--	--	--	--
G9-DD-1/2	--	1444	1316	1172	979	--	--	--	--
G10-8-DD-1/2	--	--	--	--	1372	1238	--	--	--
G10-8DD-3/4	--	--	--	--	--	1535	800	--	--
G10-DD-1/2	--	--	--	1514	1335	1115	--	--	--
G10-DD-3/4	--	--	1665	1581	1486	1379	1000	--	--
G12-9-DD-3/4	--	--	--	--	--	--	1358	1174	870
G12-10-DD-3/4	--	--	--	--	--	--	1393	1102	--

FEATURES

- 3 speed, 115V, PSC motor.
- Corrosion resistant G90 galvanized housing.
- Universal base for 4 position discharge.
- Heavy duty, resilient mount, motor mounting bracket.

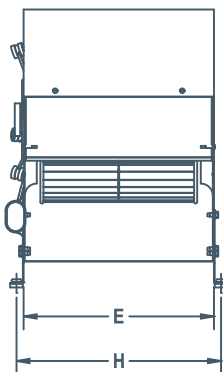
DIMENSIONS



UNIVERSAL BASE FOR 4 POSITION DISCHARGE



HEAVY DUTY MOTOR MOUNTING BRACKET



MODEL - HP	A	B	C	D	E	H	L	UNIT WEIGHT (LBS) (without motor & drives)
G9-7-DD-1/3	16 15/16"	15 1/16"	15 9/16"	10 1/4"	9 3/16"	10 3/16"	11 3/4"	33
G9-7-DD-1/2								36
G9-DD-1/3								37
G9-DD-1/2	16 15/16"	15 1/16"	15 9/16"	10 1/4"	11 13/16"	12 13/16"	11 3/4"	39
G10-8-DD-1/2								40
G10-8DD-3/4	19"	16 3/4"	17 3/8"	11 3/8"	10 1/2"	11 1/2"	13 3/8"	41
G10-DD-1/2								42
G10-DD-3/4	19"	16 3/4"	17 3/8"	11 3/8"	13 1/8"	14 1/8"	13 3/8"	45
G12-9-DD-3/4	22 1/8"	19 1/2"	20 5/8"	13 7/16"	12 1/4"	13 1/4"	16 1/8"	46
G12-10-DD-3/4	22 1/8"	19 1/2"	20 5/8"	13 7/16"	13 1/8"	14 1/8"	16 1/8"	47

G SERIES

Double Inlet Belt Drive Blowers



PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP					
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP
G7-5	1100	1000	950	875	825
G7	3800	3700	3600	3500	3400
G9-7	4400	4300	4200	4100	4000
G9	5100	5000	4900	4800	4700
G10-8	5200	5100	5000	4900	4800
G10	6900	6800	6600	6400	6200
G12-9	7600	7500	7300	7100	6900
G12	8200	8000	7800	7600	7400
G15-10	9000	8600	8400	8200	8000
G15	12000	11500	11250	11000	10500
G18-13	13300	12800	12300	12000	11700
G18	18000	17000	16500	16000	15500

CFM values are listed above are summarized for convenience only.

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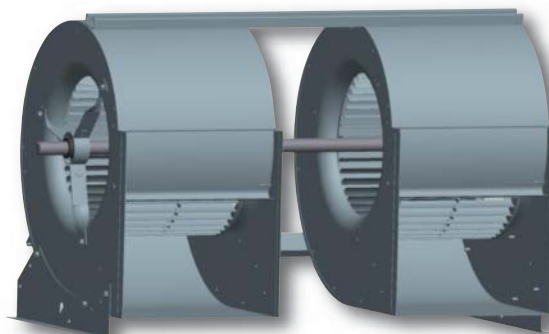
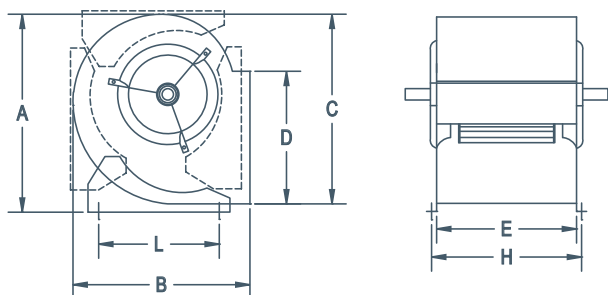
FEATURES

- Sleeve or ball bearing models available.
- Base feet can be mounted for various discharge positions.
- Motor mounting hardware included with each blower.
- Corrosion resistant G90 galvanized steel blower housing.
- Capacity range 200 to 8000 CFM.
- The blower wheel has an exclusive centre disc which allows blowers to be used safely at speeds well above any normal requirement.
- Blower housings have extruded holes to give greater holding power for mounting base sides and motor bracket.
- Matte finish zinc coated wheel and cut-off baffle.
- Shaft dimensions and finish are carefully controlled to ensure quiet, trouble free operation.
- Available with permanently lubricated sleeve bearings suitable for operation in ambient temperatures of +30 to +120 deg. F and under 1000 RPM OR Ball bearings with a sealed lifetime supply of lubricant for operation in ambient temperatures of -65 to +250 deg. F (optional).
- Shafts for ball bearing models have keywayed ends. Sleeve bearing model shafts have flats.

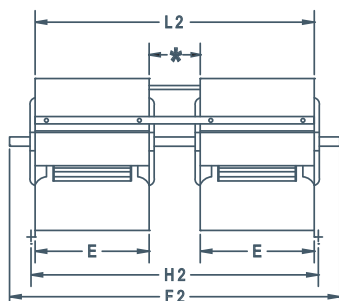


Call for pricing & availability.

DIMENSIONS



"G" Series Twin Units - * Spacing will determine "L2" and "F2" dimensions.



MODEL	A	B	C	D	E	H	L	SHAFT DIAMETER	WHEEL DIAMETER	WHEEL WIDTH	UNIT WEIGHT (LBS) (without motor & drives)
G7-5	14 5/16"	12 5/16"	12 11/16"	8 1/4"	6 7/8"	7 7/8"	9 5/8"	3/4"	8 1/16"	4 15/16"	13
G7	14 5/16"	12 5/16"	12 11/16"	8 1/4"	9 3/16"	10 3/16"	9 5/8"	3/4"	8 1/16"	7 3/16"	15
G9-7	16 15/16"	15 1/16"	15 9/16"	10 1/4"	9 3/16"	10 3/16"	11 3/4"	3/4"	10 1/4"	7 3/16"	19
G9	16 15/16"	15 1/16"	15 9/16"	10 1/4"	11 13/16"	12 13/16"	11 3/4"	3/4"	10 1/4"	9 9/16"	21
G10-8	19"	16 3/4"	17 3/8"	11 3/8"	10 1/2"	11 1/2"	13 3/8"	3/4"	11 1/8"	8 1/16"	23
G10	19"	16 3/4"	17 3/8"	11 3/8"	13 1/8"	14 1/8"	13 3/8"	3/4"	11 9/16"	10 13/16"	25
G12-9	22 1/8"	19 1/2"	20 5/8"	13 7/16"	12 1/4"	13 1/4"	16 1/8"	3/4"	12 7/8"	9 9/16"	29
G12	22 1/8"	19 1/2"	20 5/8"	13 7/16"	15 5/8"	16 5/8"	16 1/8"	3/4" or 1"	12 7/8"	12 13/16"	34
G15-10	25 3/4"	22 11/16"	24 1/4"	15 7/8"	14 11/16"	15 11/16"	19 1/2"	1"	15 1/2"	10 13/16"	48
G15	25 3/4"	22 11/16"	24 1/4"	15 7/8"	18 5/8"	19 5/8"	19 1/2"	1"	15 1/2"	15 1/16"	56
G18-13	30 1/2"	27"	29"	18 7/8"	17 3/8"	18 3/8"	24"	1"	18 1/2"	15 1/16"	67
G18	30 1/2"	27"	29"	18 7/8"	21 7/8"	22 7/8"	24"	1"	18 1/2"	18 1/2"	87

800 SERIES

Double Width, Double Inlet Blowers - with Frame



PERFORMANCE SPECIFICATIONS

MODEL	MAXIMUM CFM @ SP				
	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP
809	5100	5000	4900	4800	4700
810	6900	6800	6600	6400	6200
812	8200	8000	7800	7600	7400
815	12000	11500	11250	11000	10500
818	18000	17000	16500	16000	15500

CFM values are listed above are summarized for convenience only.

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FEATURES

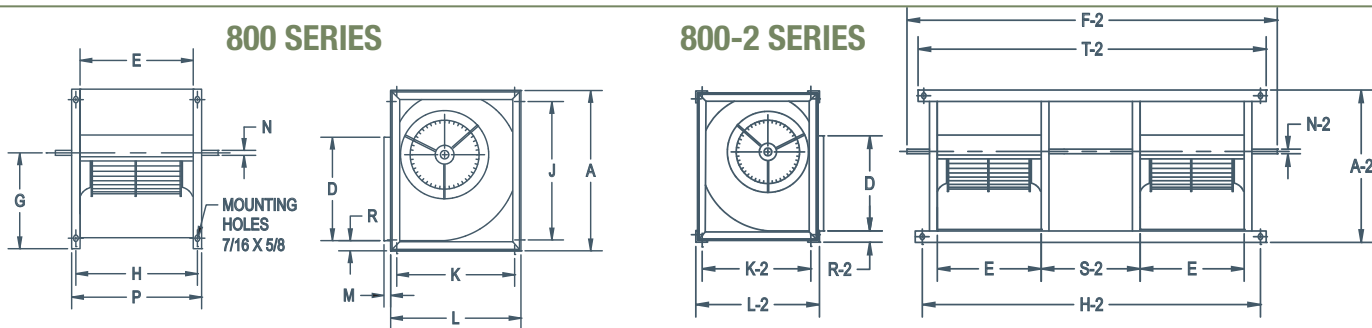
- Features frame with spider bearing bracket mounts.
- Available sizes: 9", 10", 12", 15" and 18" wheel diameters.
- Keywayed shaft both ends.
- Universal Frame allows for choice of discharge position.
- Motor mounting hardware supplied.
- Ball bearings are permanently lubricated.
- Corrosion resistant galvanized blower housing.
- Available as single or twin assemblies.
- Matte finish zinc coated steel Delhi 'G' series full width wheel and cut-off baffle.
- Frame has green baked enamel finish.
- Insert ball bearings with resilient rings.
- Bearing brackets are attached with thread cutting screws driven into extruded housing holes (809) or attached with a bolt and locknut (810 through 818).
- Motor mounting bracket is attached to the blower frames on models 809 through 815 and is rated at 3 HP.
- Motor mounting bracket/motor plate assembly for 818 and 818-2 models is rated at 5 HP.

- Motor mounting and adjusting hardware is packed with each unit. Two adjusting leg sets are furnished with 815 and 818 models, one only with all others.
- Units individually cartoned or skidded for shipment.



Call for pricing & availability.

DIMENSIONS



800 SERIES

MODEL	A	D	E	G	H	J	K	L	M	N	P	R	WHEEL DIAMETER	WHEEL WIDTH	UNIT WEIGHT (LBS) (without motor & drives)
809	17 1/4"	10 1/4"	11 13/16"	10 1/8"	12 15/16"	14 1/2"	11 3/4"	14 1/2"	3/4"	3/4"	13 15/16"	1 1/2"	10 1/4"	9 9/16"	28
810	19 1/8"	11 3/8"	13 1/8"	11 1/4"	14 1/4"	16 1/2"	13 3/8"	16 1/4"	3/4"	3/4"	15 1/4"	1 1/2"	11 9/16"	10 13/16"	32
812	22 1/4"	13 7/16"	15 5/8"	13"	16 3/4"	19 5/8"	16 1/4"	19"	3/4"	1"	17 3/4"	1 1/2"	12 7/8"	12 13/16"	43
815	26"	15 7/8"	18 5/8"	15 1/4"	19 3/4"	23 3/8"	19 3/8"	22 1/8"	3/4"	1"	20 3/4"	1 1/2"	15 1/2"	15 1/16"	67
818	30 3/4"	18 7/8"	21 7/8"	17 3/4"	23 1/2"	29"	24 1/2"	26 1/2"	3/4"	1"	25"	1 1/2"	18 1/2"	18 1/2"	125

800-2 SERIES

MODEL	A-2	SHAFT LENGTH F-2	5/8 DIA. MOUNTING HOLES H-2	5/8 DIA. MOUNTING HOLES K-2	L-2	N-2	R-2	S-2	T-2	TWINNING ANGLE	WEIGHT (LBS) (without motor & drives)
809-2	17 5/8"	39 1/2"	36 5/8"	13 3/8"	14 7/8"	3/4"	1 11/16"	9"	38 3/8"	1 1/2 x 1 1/2 x 1/8	95
810-2	19 1/2"	44"	40 1/4"	15 1/8"	16 5/8"	3/4"	1 11/16"	10"	42"	1 1/2 x 1 1/2 x 1/8	112
812-2	22 5/8"	51 1/2"	47 1/4"	17 7/8"	19 3/8"	1"	1 11/16"	12"	49"	1 1/2 x 1 1/2 x 1/8	130
815-2	26 3/8"	61 3/8"	56 1/4"	21"	22 1/2"	1"	1 11/16"	15"	58"	1 1/2 x 1 1/2 x 1/8	195
818-2	31 1/8"	72"	66 3/4"	25 1/2"	27"	1"	1 3/4"	18"	68 1/2"	1 1/2 x 1 1/2 x 3/16	302

900 SERIES

Double Width, Double Inlet, Framed Heavy Duty Blowers
- with Pillow Block Bearings



WITH
MOTOR &
DRIVES



**TWIN
UNIT
AVAILABLE**

Call for
pricing & availability.

FEATURES

- Pillow block bearings mounted on "T" bar support.
- Corrosion resistant galvanized blower housing.
- Available as single and twin assemblies.
- All wheels capable of running at AMCA Class II operating conditions with appropriate shaft and bearings.
- Welded angular steel blower frames with T bar supports under bearings when used in bottom horizontal discharge (BHD) mounting position. Suitable for operation in top horizontal discharge (THD), upblast (UB) or downblast (DB) discharge position.
- Frames and bearing supports are baked powder coat finished.
- Pre-lubricated cast iron pillow block ball bearings with grease fitting suitable for operating in ambient temperatures from -30 to +230° F.
- Shaft extensions keywayed both ends suitable for single or double groove pulleys.
- Corrosion inhibiting shaft coating.
- Units skidded for shipment.

PERFORMANCE SPECIFICATIONS

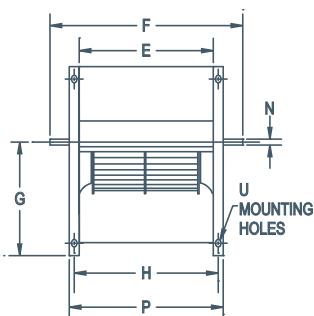
TYPICAL MAXIMUM CFM @ SP - At Maximum Horsepower Rating					
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP
907	3800	3700	3600	3500	3400
909-7	4400	4300	4200	4100	4000
909	5100	5000	4900	4800	4700
910-8	5200	5100	5000	4900	4800
910	6900	6800	6600	6400	6200
912-9	7600	7500	7300	7100	6900
912	8200	8000	7800	7600	7400
915-10	9000	8600	8400	8200	8000
915	12000	11500	11250	11000	10500
918-13	13300	12800	12300	12000	11700
918	18000	17000	16500	16000	15500
920-18	17000	16250	15500	15000	14500
920	26000	25500	25000	24500	24000
922	30000	29500	28500	28000	27000
925	40000	39000	38000	37000	36000
927	48000	46000	45000	43000	42000
930	56000	54500	53000	51000	49000
933	72000	70000	69000	68000	66000
936	76000	75000	74000	72000	70000

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Fan inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

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DIMENSIONS



MODEL	A	B	C	D	E	F (See Note)	G	H	J	K	L	M	N (See Note)	P	Q	R	U	UNIT WEIGHT (LBS) (without motor & drives)
907	14 3/8"	6 7/16"	6 1/16"	8 1/4"	9 3/16"	17 3/16"	8 5/8"	10 3/8"	11 5/8"	9"	11 3/4"	3/4"	3/4"	11 3/8"	4 5/8"	1 1/2"	7/16 x 5/8	22
909-7	17 1/4"	7 15/16"	7 5/16"	10 1/4"	9 3/16"	17 3/16"	10 1/8"	10 3/8"	14 1/2"	11 3/4"	14 1/2"	3/4"	3/4"	11 3/8"	5 1/2"	1 1/2"	7/16 x 5/8	27
909	17 1/4"	7 15/16"	7 5/16"	10 1/4"	11 13/16"	19 13/16"	10 1/8"	12 15/16"	14 1/2"	11 3/4"	14 1/2"	3/4"	3/4"	13 15/16"	5 1/2"	1 1/2"	7/16 x 5/8	32
910-8	19 1/8"	9"	8"	11 3/8"	10 1/2"	18 1/2"	11 1/4"	11 5/8"	16 1/2"	13 3/8"	16 1/4"	3/4"	3/4"	12 5/8"	6 1/4"	1 1/2"	7/16 x 5/8	35
910	19 1/8"	9"	8"	11 3/8"	13 1/8"	21 5/8"	11 1/4"	14 1/4"	16 1/2"	13 3/8"	16 1/4"	3/4"	1"	15 1/4"	6 1/4"	1 1/2"	7/16 x 5/8	43
912-9	22 1/4"	10 5/8"	9 1/8"	13 7/16"	12 1/4"	20 3/4"	13"	13 3/8"	19 5/8"	16 1/4"	19"	3/4"	1"	14 3/8"	7 5/16"	1 1/2"	7/16 x 5/8	48
912	22 1/4"	10 5/8"	9 1/8"	13 7/16"	15 5/8"	24 1/8"	13"	16 3/4"	19 5/8"	16 1/4"	19"	3/4"	1"	17 3/4"	7 5/16"	1 1/2"	7/16 x 5/8	59
915-10	26"	12 9/16"	10 5/16"	15 7/8"	14 11/16"	23 3/16"	15 1/4"	15 13/16"	23 3/8"	19 3/8"	22 1/8"	3/4"	1"	16 13/16"	8 5/8"	1 1/2"	7/16 x 5/8	62
915	26"	12 9/16"	10 5/16"	15 7/8"	18 5/8"	27 1/8"	15 1/4"	19 3/4"	23 3/8"	19 3/8"	22 1/8"	3/4"	1"	20 3/4"	8 5/8"	1 1/2"	7/16 x 5/8	76
918-13	30 3/4"	14 15/16"	12 3/8"	18 7/8"	17 3/8"	27 1/8"	17 3/4"	19"	29"	24 1/2"	26 1/2"	3/4"	1 3/16"	20 1/2"	10 3/8"	1 1/2"	7/16 x 5/8	120
918	30 3/4"	14 15/16"	12 3/8"	18 7/8"	21 7/8"	34"	17 3/4"	23 1/2"	29"	24 1/2"	26 1/2"	3/4"	1 3/16"	25"	10 3/8"	1 1/2"	7/16 x 5/8	115
920-18	38"	18 5/16"	14 7/16"	24 3/4"	22 3/4"	36"	22 9/16"	24 1/4"	32 1/4"	25 1/2"	31 1/4"	1 1/2"	1 3/16"	26 3/4"	11 1/4"	2"	5/8"	202
920	38"	18 5/16"	14 7/16"	24 3/4"	24 3/4"	37 1/4"	22 9/16"	26 1/4"	32 1/4"	25 1/2"	31 1/4"	1 1/2"	1 3/16"	28 3/4"	11 1/4"	2"	5/8"	202
922	41 1/2"	20 1/16"	15 11/16"	27 1/4"	27 1/4"	39 3/4"	24 5/8"	28 3/4"	35 3/4"	28 1/2"	34 1/4"	1 1/2"	1 3/16"	31 1/4"	12 1/4"	2"	5/8"	226
925	46 3/4"	22 5/8"	17 1/4"	31 1/4"	31 1/4"	43 3/4"	27 3/4"	32 3/4"	41"	32 3/4"	38 3/8"	1 1/2"	1 3/16"	35 1/4"	13 1/2"	2"	5/8"	276
927	51 1/2"	25 1/16"	19 1/8"	34 1/4"	34 1/4"	50 1/4"	30 1/4"	35 3/4"	46 1/2"	37 11/16"	42 11/16"	1 1/2"	1 11/16"	38 1/4"	15 1/4"	2"	5/8"	400
930	55 1/2"	27 1/16"	20 5/16"	36 3/4"	36 3/4"	52 3/4"	32 5/8"	38 1/4"	50 1/2"	40 7/8"	45 7/8"	1 1/2"	1 11/16"	40 3/4"	16 3/4"	2"	5/8"	505
933	59 3/4"	29 1/8"	24 5/8"	42 15/16"	39 3/4"	58 3/4"	34 1/4"	41 3/4"	54 3/4"	47 1/4"	52 1/4"	1 1/2"	2 3/16"	43 3/4"	14 13/16"	2"	5/8"	610
936	59 3/4"	29 1/8"	24 5/8"	42 15/16"	42 3/4"	61 3/4"	34 1/4"	44 3/4"	54 3/4"	47 1/4"	52 1/4"	1 1/2"	2 3/16"	46 3/4"	14 13/16"	2"	5/8"	685

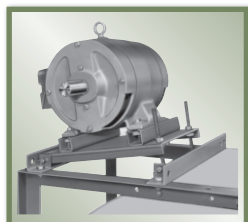
NOTE: "F" Dimension may vary among optional shaft diameters. Standard shaft sizes shown. Larger diameter shafts available. All wheels can run safely at AMCA Class II operating conditions with appropriate shaft & bearings.

ACCESSORIES

- Models 907 to 915 - Motor mounting bracket with mounting and belt tension adjusting hardware.
- Models 912 to 936 - 1 to 15 HP motor platform with mounting hardware.
- Models 918 to 936 - 20 to 50 hp motor platform with mounting hardware.

< OPTIONAL 1 TO 15 HP MOTOR PLATFORM

For more information on motor platforms, see page J6 in Accessories & Motor tab.

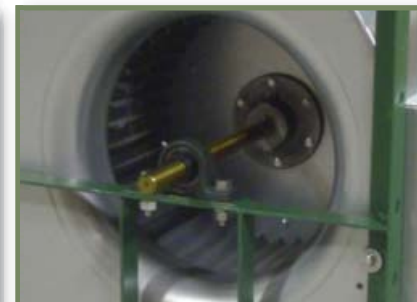
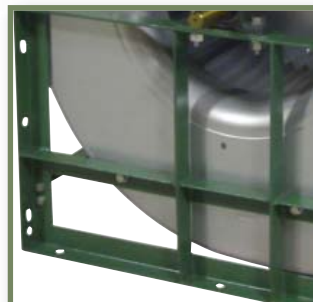




Call for pricing & availability.

900-C SERIES

Economy Double Width, Double Inlet, Framed Heavy Duty Blowers - with Pillow Block Bearings



FEATURES

- Pillow block bearings on heavy steel support.
- Corrosion resistant blower housing wheel & baffle.
- Available in single and twin configurations.
- AMCA Class I & Class II capabilities.
- Heavy welded steel frame allows blower to be used for bottom horizontal discharge (BHD), top horizontal discharge (THD), upblast (UB) or downblast (DB) configurations.
- Frames have durable, baked polyester powder coat finish.
- Pre-lubricated name brand NTN bearings are capable of operating in temperatures from -30 to +230° F.
- Shaft extensions have key-ways at both ends and will accept both single and double groove pulleys.
- Corrosion resistant shaft coating.

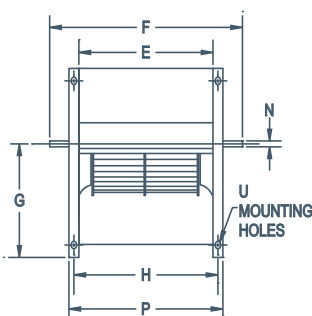
PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP - At Maximum Horsepower Rating						
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP	CLASS
918-C	13600	12800	12200	n/a	n/a	I
920-18 -C	13500	13200	12800	12500	12000	I
920-C	19500	19000	18400	17800	17200	I
922-C*	27600	26800	26000	25200	24300	II
925-C*	33100	31400	30200	29100	27700	II
927-C*	35800	35300	35000	34900	34700	II
930-C	54900	53100	52700	49500	44700	I
933-C	49000	48600	48300	48000	47700	I
936-C	56600	56460	56245	56000	55900	I

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).
* Models capable of AMCA Class II operating conditions with appropriate shaft & bearings.

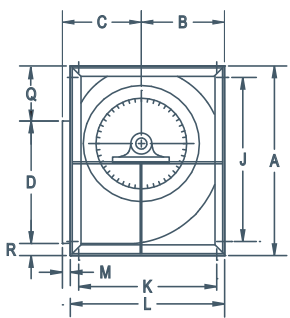
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DIMENSIONS



MODEL	A	B	C	D	E	F (See Note)	G	H	J	K	L	M	N (See Note)	P	Q	R	U	UNIT WEIGHT (LBS) (without motor & drives)
918-C	30 3/4"	14 15/16"	12 3/8"	18 7/8"	21 7/8"	34"	17 3/4"	23 1/2"	29"	24 1/2"	26 1/2"	3/4"	1 3/16"	25"	10 3/8"	1 1/2"	7/16 x 5/8	115
920-18 -C	38"	18 5/16"	14 7/16"	24 3/4"	22 3/4"	36"	22 9/16"	24 1/4"	32 1/4"	25 1/2"	31 1/4"	1 1/2"	1 7/16"	26 3/4"	11 1/4"	2"	5/8"	202
920-C**	38"	18 5/16"	14 7/16"	24 3/4"	24 3/4"	37 1/4"	22 9/16"	26 1/4"	32 1/4"	25 1/2"	31 1/4"	1 1/2"	1 3/16"	28 3/4"	11 1/4"	2"	5/8"	202
922-C**	41 1/2"	20 1/16"	15 11/16"	27 1/4"	27 1/4"	39 3/4"	24 5/8"	28 3/4"	35 3/4"	28 1/2"	34 1/4"	1 1/2"	1 7/16"	31 1/4"	12 1/4"	2"	5/8"	226
925-C**	46 3/4"	22 5/8"	17 1/4"	31 1/4"	31 1/4"	43 3/4"	27 3/4"	32 3/4"	41"	32 3/4"	38 3/8"	1 1/2"	1 3/16"	35 1/4"	13 1/2"	2"	5/8"	276
927-C**	51 1/2"	25 1/16"	19 1/8"	34 1/4"	34 1/4"	50 1/4"	30 1/4"	35 3/4"	46 1/2"	37 11/16"	42 11/16"	1 1/2"	1 11/16"	38 1/4"	15 1/4"	2"	5/8"	400
930-C**	55 1/2"	27 1/16"	20 5/16"	36 3/4"	36 3/4"	52 3/4"	32 5/8"	38 1/4"	50 1/2"	40 7/8"	45 7/8"	1 1/2"	1 11/16"	40 3/4"	16 3/4"	2"	5/8"	505
933-C	59 3/4"	29 1/8"	24 5/8"	42 15/16"	39 3/4"	58 3/4"	34 1/4"	41 3/4"	54 3/4"	47 1/4"	52 1/4"	1 1/2"	2 7/16"	43 3/4"	14 13/16"	2"	5/8"	610
936-C**	59 3/4"	29 1/8"	24 5/8"	42 15/16"	42 3/4"	61 3/4"	34 1/4"	44 3/4"	54 3/4"	47 1/4"	52 1/4"	1 1/2"	2 3/16"	46 3/4"	14 13/16"	2"	5/8"	685

NOTE: "F" Dimension may vary among optional shaft diameters. Standard shaft sizes shown. Larger diameter shafts available.
** Larger diameter shafts available for these units.

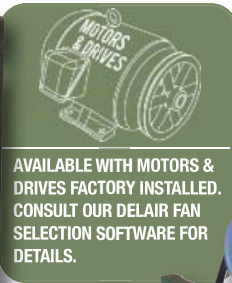


ACCESSORIES

< OPTIONAL 1 TO 15 HP MOTOR PLATFORM

- Models 918-C to 936-C - 20 to 50 hp motor platform with mounting hardware.

For more information on motor platforms, see page J6 in Accessories & Motor tab.



AVAILABLE WITH MOTORS & DRIVES FACTORY INSTALLED. CONSULT OUR DELAIR FAN SELECTION SOFTWARE FOR DETAILS.



OPTIONAL 1 TO 15 HP MOTOR PLATFORM FOR MODELS 420, 422 & 425

400 SERIES

FC Exhauster Belt Drive Utility Blower

FEATURES

- Universal frame allows for choice of discharge position.
- Multiple choice for motor mounting location with each discharge position.
- Motor mounting hardware supplied with models 407 to 418.
- Optional platform for models 420 to 425.
- Keywayed shafts
- Spider bearing brackets for models 407 - 418. Pillow block bearings with T bar support for models 420, 422 & 425.
- Ball bearings suitable for -65° to +250° F.
- Optional back draft dampers, inlet & outlet screens and belt guards.
- Shafts 420, 422 & 425 models are keywayed for wheels and pulleys (407 to 418 models for pulleys only).

PERFORMANCE SPECIFICATIONS

TYPICAL MAXIMUM CFM @ SP						
MODEL	1/2" SP	1" SP	1 1/2" SP	2" SP	2 1/2" SP	Max HP
407	1000	900	800	700	500	1
409	2100	2000	1900	1850	1750	2
410	2600	2400	2300	2150	2050	2
412	3250	3000	2850	2700	2600	2
415	5260	4850	4500	4150	3550	3
418	6700	6300	5950	5550	5200	5
420	9300	8850	8500	8000	7700	7 1/2
422	10300	9750	9200	8600	8000	7 1/2
425	14300	13400	12550	11850	11400	10

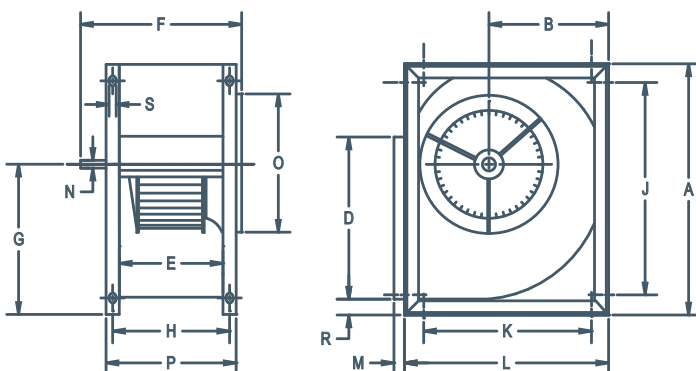
Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

CFM values listed above are summarized for convenience.

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DIMENSIONS

MODEL	A	B	D	E	F	G	H	J	K	L	M	N	O	P	R	S	WHEEL DIAMETER	WHEEL WIDTH	UNIT WEIGHT (LBS) (without motor)
407	14 1/4"	6 1/2"	8 3/8"	6 7/8"	11 5/8"	8 5/8"	8"	11 1/16"	8 7/8"	11 3/4"	3/4"	3/4"	9"	9"	1 1/2"	7/16"	8 1/26"	4 15/16"	16
409	17 1/4"	7 15/16"	10 1/4"	9 3/16"	13 15/16"	10 1/8"	10 5/16"	14 5/8"	11 3/4"	14 1/2"	3/4"	3/4"	10"	11 5/16"	1 1/2"	7/16"	9 13/16"	7 3/16"	23
410	19 1/8"	9"	11 3/8"	9 3/16"	13 15/16"	11 1/4"	10 5/16"	16 1/4"	13 1/2"	16 1/4"	3/4"	3/4"	12"	11 5/16"	1 1/2"	7/16"	11 1/8"	7 3/16"	26
412	22 1/4"	10 9/16"	13 1/2"	9 3/16"	13 15/16"	13"	10 5/16"	19 5/8"	16 1/4"	19"	3/4"	3/4"	14"	11 5/16"	1 1/2"	7/16"	12 7/8"	7 3/16"	30
415	29 3/4"	14 3/4"	17"	12 1/2"	17 3/8"	18 1/8"	13 3/4"	27 1/4"	22 5/8"	25 1/4"	3/4"	1"	17"	14 3/4"	1 1/2"	7/16"	15 1/2"	9 9/16"	56
418	30 3/4"	14 15/16"	18 7/8"	14"	20 3/8"	17 3/4"	15 5/8"	28 1/2"	24"	26 1/2"	3/4"	1"	18"	17 1/4"	1 1/2"	7/16"	18 1/2"	10 13/16"	87
420	38"	18 5/16"	24 3/4"	15 3/4"	24 1/4"	22 9/16"	17 1/4"	32 7/16"	25 7/16"	31 1/4"	1 1/2"	1 3/16"	21"	19 3/4"	2"	5/8"	20 7/16"	10 1/4"	189
422	41 1/2"	20 1/16"	27 1/4"	17 1/8"	25 5/8"	24 5/8"	18 5/8"	35 31/32"	28 15/32"	34 1/4"	1 1/2"	1 3/16"	22 1/2"	21 1/8"	2"	5/8"	22 1/8"	11 1/4"	214
425	46 3/4"	22 5/8"	31 1/4"	19 5/8"	28 1/2"	27 3/4"	21 1/8"	41 7/32"	32 17/32"	38 3/8"	1 1/2"	1 3/16"	26 3/4"	23 5/8"	2"	5/8"	25 1/4"	13"	252



ACCESSORIES

- Back Draft Dampers
- Inlet & Outlet Screens
- Corrosion Resistant Finishes
- Vibration Isolation
- Belt Guard

For more information on available accessories, see page B13 in Roof Mount Ventilation Section.



900-BI SERIES

Double Width, Double Inlet Backward Inclined Blowers

PERFORMANCE SPECIFICATIONS

MODEL	TYPICAL MAXIMUM CFM @ SP					
	1" SP	2" SP	3" SP	4" SP	5" SP	MAX HP
910-BI*	3600	3500	3200	2800	2600	7.5
911-BI	6500	6000	5500	5100	4700	10
912-BI	8000	7750	7500	7000	6500	15
914-BI*	11000	10500	10000	9000	9000	20
916-BI	14000	13000	12500	12000	11500	20
918-BI*	16000	15500	14000	13500	12000	25
920-BI*	24000	23500	22000	21500	18000	40
922-BI	28000	27500	27000	26500	26000	50
925-BI*	35000	34500	34000	33000	32500	60
928-BI	46000	45500	42000	41500	3800	75
932-BI	50000	49500	49000	45000	44500	75
936-BI	65000	64500	64000	55000	54500	100

*Regular Stock Size

CFM values listed above are summarized for convenience.

ALL SHAFT ENDS ARE KEYWAYED

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

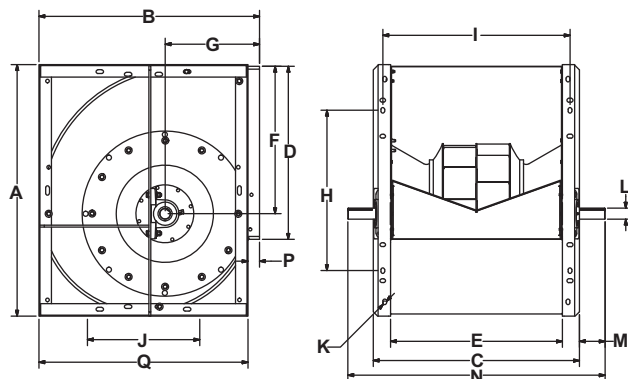
FEATURES

- Welded backwardly inclined blades.
- Corrosion resistant galvanized steel housing
- Heavy, welded steel "L" angle frames with "T-bar" bearing supports for 4 way mounting.
- Detachable inlet venturi.
- Shafts have corrosion inhibiting coating and are keywayed both ends.
- High quality cast iron pillow block bearings with grease fittings for lubrication.

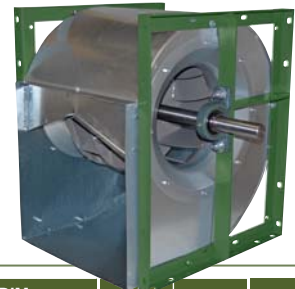
DIMENSIONS

All Sizes in Inches	OVERALL SIZE			OUTLET		WHEEL CENTER		MOUNTING				SHAFT DIM					UNIT WEIGHT (lbs) (without motor & drives)
MODEL	A	B	C	D	E	F	G	H	I	J	DIA. K	DIA. L	M	N	P	Q	
910-BI*	18 1/8	16 1/2	14 11/16	12 11/16	12 11/16	10 5/8	7 11/16	16 1/2	13 7/8	13 3/8	1/2	1	2 13/16	20 1/4	1 1/2	15	94
911-BI	20 3/8	18 3/8	16 11/16	14 3/16	14 3/16	11 7/8	8 7/16	11	15 3/8	11	1/2	1 3/16	3	22 3/4	1 1/2	16 7/8	100
912-BI	22 3/4	20 3/8	18 7/16	15 15/16	15 15/16	13 3/8	9 5/16	19 3/4	17 1/16	16 1/4	1/2	1 3/16	3 1/16	24 1/2	1 1/2	18 7/8	110
914-BI*	25 13/16	22 3/4	20 13/16	17 13/16	17 13/16	15 1/16	10 1/4	14	19 7/16	14	1/2	1 7/16	3 1/16	27	1 1/4	21 7/16	140
916-BI	29	25 5/8	22 15/16	19 15/16	19 15/16	17	11 7/16	14	21 9/16	14	1/2	1 7/16	3 1/4	29 1/2	1 1/2	24 1/8	160
918-BI*	32 9/16	28 1/2	25 3/8	22 3/8	22 3/8	19 1/8	12 3/4	29	24 3/8	24 1/2	1/2	1 7/16	4 1/16	33 1/2	2	26 3/4	203
920-BI*	36 1/4	31 1/2	28 1/8	25 1/8	25 1/8	21 1/8	13 7/8	32 1/4	27 1/16	25 2/4	1/2	1 7/16	5 1/16	36 1/2	2	29 1/2	253
922-BI	40 9/16	35 1/4	32 1/8	28 1/8	28 1/8	23 3/4	15 1/4	35 3/4	30 1/8	28 1/2	1/2	1 15/16	5	42 1/4	2 1/4	33	400
925-BI*	45 1/2	39 3/8	35 9/16	31 9/16	31 9/16	26 3/4	17 1/16	41	33 1/2	32 3/4	1/2	1 15/16	5 1/16	45 1/2	2 1/2	37	413
928-BI	51 5/16	44 1/4	39 3/8	35 3/8	35 3/8	30 1/8	19	24 13/16	37 5/16	19 1/16	1/2	1 15/16	4 15/16	49 1/2	2 3/4	41 5/16	597
932-BI	57 3/4	49 3/8	43 5/8	39 5/8	39 5/8	34	21 1/4	28	41 5/8	21 1/4	1/2	1 15/16	5 5/8	53 1/2	3	46 1/2	661
936-BI	64 7/8	55 1/2	48 1/2	44 1/2	44 1/2	38 1/4	23 3/4	54 3/4	46 7/16	47 1/4	1/2	2 7/16	5 13/16	59 3/4	3 2/4	51 15/16	1061

*Regular Stock Size

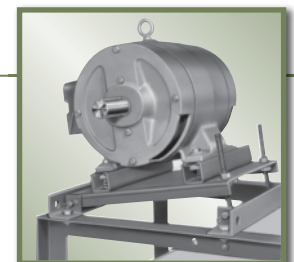


MULTIPLE DISCHARGE POSITION



OPTIONS

- 1 - 15 HP Motor Platform
- 20 - 50 HP Motor Platform



OPTIONAL 1 TO 15 HP MOTOR PLATFORM
(20 - 50 HP ALSO AVAILABLE)



BIDI SERIES

Double Width, Double Inlet
Backward Inclined Blowers

PERFORMANCE SPECIFICATIONS

MODEL	TYPICAL CFM RANGE 0 TO 5 1/2" SP	TYPICAL MAXIMUM CFM @ SP					
		1" SP	2" SP	3" SP	4" SP	5" SP	MAX HP
BIDI-10	1500 - 4000	5000	4500	4000	3500	3000	7 1/2
BIDI-12	2500 - 5500	6200	5800	5300	4800	4200	7 1/2
BIDI-13	3000 - 6500	7300	6800	6200	5500	4600	7 1/2
BIDI-15	3500 - 7500	8800	8200	7500	6700	5700	10
BIDI-16	4000 - 9500	11000	10200	9400	5800	7400	15
BIDI-18	5000 - 11,000	13800	12900	11700	10600	8900	15
BIDI-20	6000 - 14,000	16300	15000	13700	12000	9800	15
BIDI-22	8000 - 17,000	19300	17900	16000	14100	11700	20
BIDI-24	10,000 - 21,000	24700	22800	20500	18000	15600	20
BIDI-27	12,000 - 25,000	29500	27300	24700	21700	18000	25

FEATURES

- Welded backwardly inclined blades.
- Cold rolled steel housing with green, weather resistant, baked powder coat finish.
- Heavy, welded steel "U" channel frames with "T-bar" bearing supports for universal 4 way mounting.
- Detachable inlet venturi.
- Shafts have corrosion inhibiting coating and are keyed both ends.
- High quality cast iron pillow block bearings with grease fittings for lubrication.

Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

CFM values listed above are summarized for convenience.

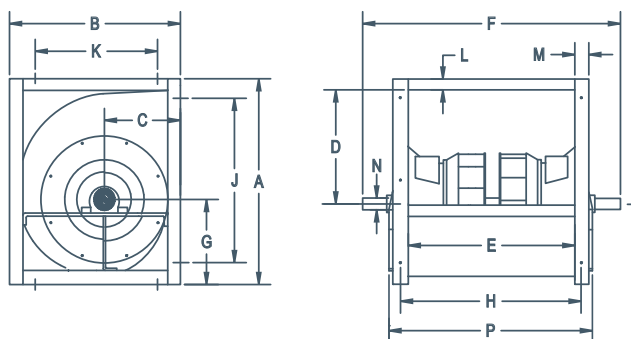
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Canarm certifies that the BIDI Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Programme.

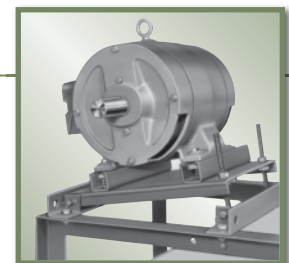
DIMENSIONS

MODEL	OUTLET														UNIT WEIGHT (LBS) (without motor & drives)
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	
BIDI-10	21 1/2"	19 3/8"	8 13/16"	11 1/4"	16 5/8"	29 1/4"	8 1/4"	18 1/4"	14 1/8"	14 1/8"	1 7/8"	2"	1 3/16"	21 3/4"	110
BIDI-12	25 1/16"	21 3/16"	10"	13"	18 1/2"	31 3/4"	9 13/16"	20"	14 1/8"	14 1/8"	2"	2"	1 7/16"	24 1/8"	138
BIDI-13	27 1/8"	23"	10 3/4"	14 3/8"	19 1/8"	31 3/4"	10 3/4"	20 3/4"	21 1/8"	17"	2"	2"	1 7/16"	24 1/4"	149
BIDI-15	29 13/16"	25 5/16"	11 3/4"	15 3/4"	21 3/8"	34"	11 13/16"	23"	21 1/8"	17"	2"	2"	1 7/16"	28 1/2"	177
BIDI-16	32 5/8"	27 1/2"	12 3/4"	17 5/8"	23 1/2"	37 5/8"	13"	25 1/8"	26 5/8"	21 1/2"	2"	2"	1 11/16"	28 5/8"	215
BIDI-18	35 3/4"	30 1/8"	13 7/8"	19 3/8"	25 3/4"	39 7/8"	14 3/8"	27 3/8"	29 3/4"	24 1/8"	2"	2"	1 11/16"	30 7/8"	237
BIDI-20	39"	32 7/8"	15"	21 1/4"	28"	42 1/8"	15 3/4"	29 5/8"	33"	26 7/8"	2"	2"	1 11/16"	33 1/8"	273
BIDI-22	43 1/8"	36 1/8"	16 3/8"	23 5/8"	31 1/8"	46 3/4"	17 3/8"	33 1/4"	40 1/8"	33 1/8"	2"	3"	2 3/16"	37 1/4"	421
BIDI-24	47 1/8"	39 5/8"	17 7/8"	26 1/8"	34 1/8"	49 3/4"	19 1/8"	36 1/4"	44 1/8"	36 5/8"	2"	3"	2 3/16"	40 1/4"	490
BIDI-27	51 5/8"	43 3/8"	19 1/2"	28 5/8"	37 3/4"	53 3/8"	21"	39 7/8"	48 5/8"	40 3/8"	2"	3"	2 3/16"	43 7/8"	565



OPTIONS

- 1 - 15 HP Motor Platform
- 20 - 50 HP Motor Platform



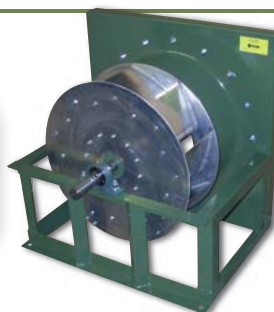
OPTIONAL 1 TO 15 HP MOTOR PLATFORM
(20 - 50 HP ALSO AVAILABLE)



**Ask us about
Direct Drive
Plenum Fan Option**

DPL & DPL-AF SERIES

Flat Blade & Air Foil Blade Plenum Fans



DPL-AF BACK VIEW



DPL BACK VIEW

FEATURES

- Rigid welded angle iron frame construction.
- Full Class II capability.
- Min L10 bearing life of 35,000 hrs (average - L50 bearing life of 175,000 hrs).
- Standard welded backwardly inclined flat blade wheel for DPL-12 to DPL-36 (Aluminum available as option).
- Standard welded aluminum backward inclined airfoil wheel for DPL-18-AF to DPL-27-AF.



Canarm certifies that the DPL Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 211 & 311 and comply with the requirements of the AMCA Certified Ratings Programme.

PERFORMANCE SPECIFICATIONS

MODEL	CLASS	1" SP	3" SP	5" SP	7" SP	9" SP
DPL-12	II	4300	4000	3600	3000	--
DPL-13	II	5200	4700	4000	3000	--
DPL-15	II	5900	5200	4200	2800	--
DPL-16	II	7600	6800	5700	4200	--
DPL-18	I	7200	6400	2400	--	--
DPL-AF-18	II	9500	8500	7500	6500	4300
DPL-20	I	8800	7600	5200	--	--
DPL-AF-20	II	11500	10500	9000	7200	5000
DPL-22	I	12000	9500	4500	--	--
DPL-AF-22	II	14500	13000	11000	9000	7000
DPL-24	I	14000	12500	8000	--	--
DPL-AF-24	II	16000	14000	12000	9000	6500
DPL-27	I	16000	14000	9000	--	--
DPL-AF-27	II	20000	17000	15000	11500	8000
DPL-30	I	20000	18000	12000	--	--
DPL-AF-30	II	25000	22000	18000	15000	10000
DPL-33	I	26000	22000	16000	--	--
DPL-AF-33	II	31000	28000	24000	20000	16000
DPL-36	I	30000	26000	20000	--	--
DPL-AF-36	II	38000	32000	26000	20000	15000

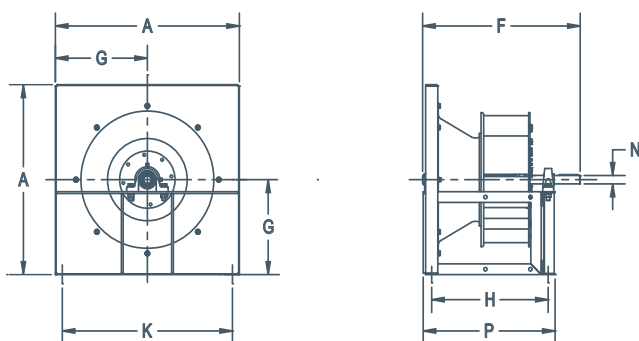
Power rating (BHP) does not include transmission losses. Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings do not include the effect of appurtenances (accessories).

CFM values listed above are summarized for convenience.

***DPL-AF-30, 33 and 36 currently under redesign. Please call factory.**

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DIMENSIONS



MODEL	A	F	G	H	K	N	P	UNIT WEIGHT (LBS) (without motor & drives)
DPL-12	18 3/4"	17 5/8"	9 3/8"	12 1/2"	16 3/4"	1"	14 1/8"	51
DPL-13	20 5/8"	17 5/8"	10 5/16"	12 1/2"	18 5/8"	1"	14 1/8"	57
DPL-15	22 15/16"	18 5/8"	11 15/32"	13 1/2"	20 15/16"	1"	15 1/8"	68
DPL-16	24"	20 1/8"	12"	14-1/2"	22"	1 3/16"	16 1/8"	80
DPL-18 & DPL-AF-18	26 9/16"	22 3/4"	13 9/32"	16 13/16"	24 9/16"	1 3/16"	19 1/16"	91
DPL-20 & DPL-AF-20	29 1/16"	24 1/16"	14 17/32"	18 1/16"	27 1/16"	1 3/16"	20 5/16"	104
DPL-22 & DPL-AF-22	31"	27 1/16"	15 1/2"	20 7/16"	29"	1 7/16"	22 15/16"	148
DPL-24 & DPL-AF-24	34 1/8"	28 5/8"	17 1/16"	22"	32 1/8"	1 7/16"	24 1/2"	185
DPL-27 & DPL-AF-27	37 5/8"	30 7/16"	18 13/16"	23 13/16"	35 5/8"	1 7/16"	26 5/16"	205
DPL-30 & DPL-AF-30	40"	34"	20"	26 3/8"	38"	1 11/16"	29 3/16"	248
DPL-33 & DPL-AF-33	44"	36 15/16"	22"	28 3/8"	42"	1 15/16"	31 3/16"	306
DPL-36 & DPL-AF-36	48 11/16"	39"	24 11/32"	30 7/8"	46 11/16"	1 15/16"	33 11/16"	357

***DPL-AF-30, 33 and 36 currently under redesign. Please call factory.**

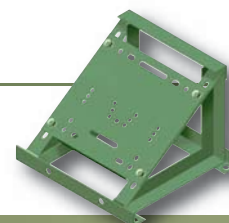
MOTOR BASE & PLATFORM

- Can be bolted directly to the side of the Plenum fan frame (2 locations) or secured to the base of the air handler.
- Sliding platform provides convenient belt tension adjustment.

WHEEL DIAMETERS	MOTOR PLATFORM	
	MAX HP	MAX FRAME SIZE
12" TO 20"	10	215T
22" TO 27"	15	254T
30" TO 36"	30	286T

OPTIONS

- Vibration Isolators
- Motor base with platform



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TRI-LITE HVLS FANS

This simple high volume low speed fan design is ideal for industrial settings and provides necessary air movement up to 325,000 CFM.

Operating on a 1 HP gear motor, minimal power consumption is combined with impressive air volumes to create the highly efficient Tri-Lite HVLS Fan.

Tri-Lite HVLS fans blanket a very large area by constantly moving air to create an expansive comfort zone. As a result, the big ceiling fan can create an evaporative cooling effect of three to four degrees throughout the facility.

During the heating season, the Tri-Lite HVLS fan technology can destratify uneven temperatures that can be in excess of fifteen degrees from ceiling to floor.

This results in significant energy savings since the heating system cycles less frequently.



RI-LITE HVLS
with whale power technology

FEATURES

Conforms to CSA Standard 22.2# 133 and UL507

- This cost-effective alternative to traditional high volume low speed fans provides:
 - 523 CFM/Watt per 24' fan
 - 392 CFM/Watt per 16' fan
- Impressive efficiency is possible by this 3-bladed design that minimizes weight while providing continuous air movement throughout the area of influence.
- Cost Effective Alternative
- Low Power Consumption = Inexpensive Operation
- Quiet Performance
- Minimal Maintenance
- Less Weight
- Motor can be reversed for updraft or downdraft applications.



PERFORMANCE SPECIFICATIONS

MODEL NUMBER	DIAMETER	NOMINAL MOTOR	VOLTS	MAX RPM	AIR MOVEMENT	WATTS	AREA OF INFLUENCE	NOISE LEVEL	WEIGHT *
HVLS-16230460-1HP	16'	0.75 KW (1 HP) - 50 HZ/60 HZ	230/460	68	144,400 CFM	368	60'	62 dBA	226 lbs
HVLS-24230460-1HP	24'	0.75 KW (1 HP) - 50 HZ/60 HZ	230/460	57	325,000 CFM	621	140'	57 dBA	251 lbs

NOTE: Requires variable frequency drive

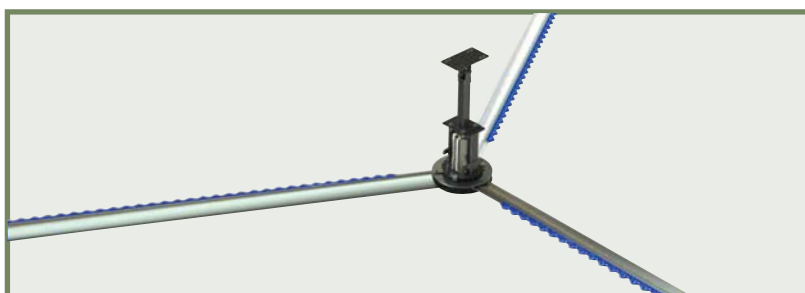
* Weight shown above includes standard 1' mount

THE TUBERCLE ADVANTAGE

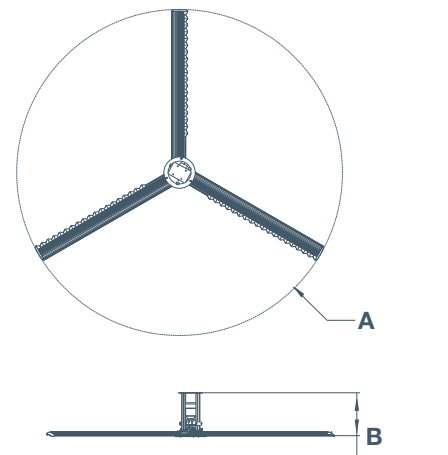
Tubercle Technology™ blades outperform all conventional airfoils.

They accomplish this by:

- Offering stall angles as high as 22°. Airfoil blades without whale power technology typically stall at about 8 degrees. Whale power allows for much more air movement with fewer blades.
- Eliminates span-wise pumping; the primary cause of efficiency loss in all rotating systems.
- Eliminates tip stalling; the primary cause of blade noise and damaging vibration.
- Lowering noise by offering Tubercle Technology's™ hyper-stability which also lowers vibrations which cause wear and tear on the blades and drive train.



DIMENSIONS



MODEL NUMBER	A	B
HVLS-16230460-1HP	185"	24"
HVLS-24230460-1HP	279.5"	24"

WINTER ENERGY SAVINGS BY HEAT DESTRATIFICATION

Everyone knows that hot air rises. Buildings with ceilings higher than 8 feet have a significant amount of stored heat at the ceiling that will transfer through the roof and be lost and wasted. The higher the ceiling, the greater amount of energy loss potential from the stored heat at the top of the building. This heat/energy loss can be significantly reduced resulting in lower energy bills by the use of Canarm Ceiling Fans.

There can be as much as 25 degrees Fahrenheit difference between floor and ceiling. Heaters will be working when the floor level temperature is 65°F and there is already 80 degree air at the ceiling ready to be recycled. (See **Figure 1**). The use of Canarm Ceiling Fans in this situation will move this hot air down from the ceiling to create a more even air temperature throughout the building resulting in a more comfortable working environment and potentially reducing your energy bills by as much as 30%. (See **Figure 2**)

SHIPPING DOOR AIR CURTAIN

Cold air entering a building and heat loss from shipping doors is a significant waste of energy in cold weather. A Canarm ceiling fan can be positioned in front of the door pushing air down and out. When the shipping door is opened, the fan helps hold back cold air and the warm air is kept in.

HOW TO CHOOSE A FAN

Ceiling fan choice and layout is based on ceiling height and the floor area of the building. As the height of the ceiling increases, larger and more powerful fans are required to achieve destratification.

The floor air coverage of a fan will be greater the higher the ceiling of the building. This is because of the natural cone shape of the air pattern produced by the fan. *HPWP models have increased floor area coverage because of more powerful motors.

Canarm provides two types of fans:

- The traditional ceiling fan, low cost, good performance, great for dry locations.
- The HPWP high performance, water resistant models - great for more demanding applications with high moisture or greater air velocity requirements. Use the chart to help choose the correct fan size/type and quantity to suit your requirements.

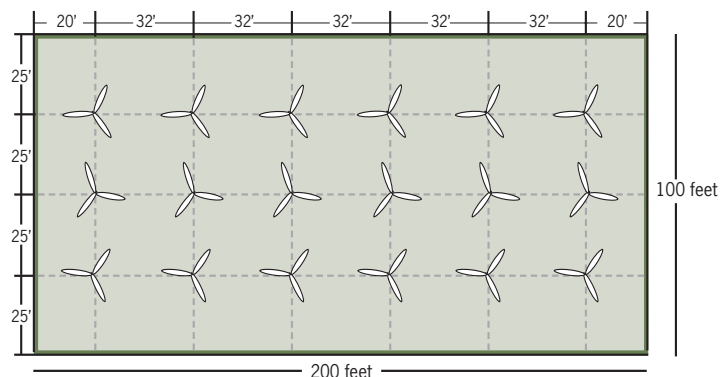
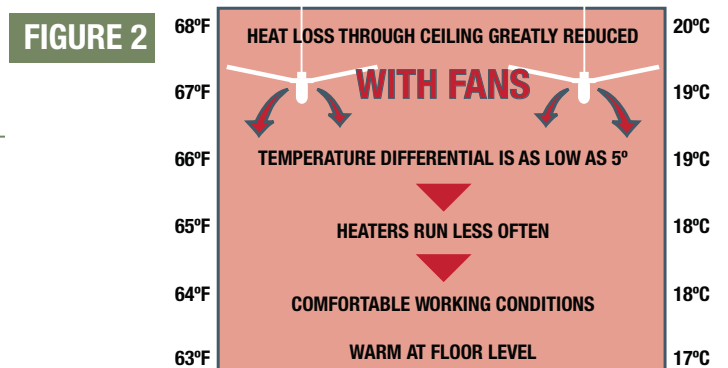
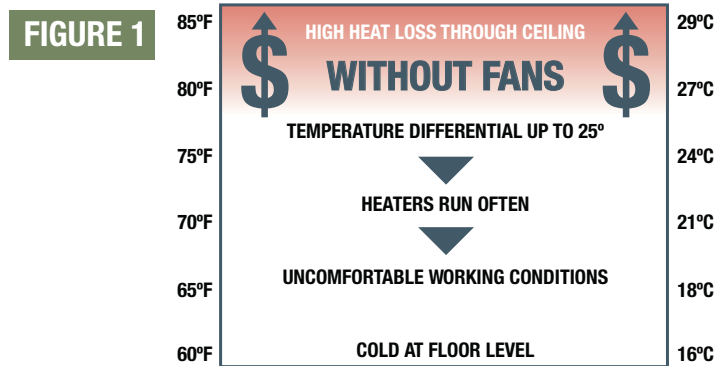
EXAMPLE:

What size and how many fans would be required for a building that is 100 feet wide x 200 feet long and has as ceiling height of 16 feet? A typical layout for a building is illustrated.

- By using the chart, we see that a ceiling height of 16 feet requires a CP56 (56" fan).
- Floor Area of the building = 100 feet wide x 200 feet long = 20,000 square feet.
- From the chart, we know that the Fan Floor Area. Coverage of the CP56 model is 1100 square feet at a 16 foot ceiling height.
- Therefore, the number of fans required = Floor Area of building / Fan Floor Area Coverage 20,000 square feet / 1100 square feet = 18 fans.

Note: An additional fan should be used about 10 feet in front of each shipping door to act as an air curtain and reduce heating bills in the winter.

CEILING HEIGHT (FT.)	SUGGESTED FAN	FAN FLOOR AREA COVERAGE (SQ. FT.)	
		TRADITIONAL	HPWP
10-11	CP36	600	N/A
12-13	CP48	800	950
14-15		950	1150
16-17	CP56	1100	1400
18-19		1300	1600
20-21		1450	1800
22-25	CP60	N/A	2250
26-30		N/A	2700





CP - COMMERCIAL CEILING FAN

Ideally suited for circulating air in Industrial and Commercial Applications. Canarm's "CP" Fans help save energy year round.

FEATURES

- Available with 36", 48" and 56" blade sweeps.
- Variable speed motor (all motors are impedance protected, PSC type variable speed with permanently lubricated ball bearing motors).
- When used with our MC series speed controls the speed range is infinite.
- Painted steel blades with curved ends deliver maximum airflow over wide areas.
- All models are reversible (exception: CP56 c/w cord & plug is downdraft only).
- Reversible motor provides both winter destratification and summer time cooling.



Downrods available as accessories in 8" or 36" sizes. See next page.

Black now available in 36" and 48".

MODEL NUMBER	COLOR	AIRFLOW	FAN SIZE	MAX RPM	AIR VELOCITY 5' FROM FAN	AIR DELIVERY @ FLOOR	HIGH AMPS	LOW AMPS	HIGH WATTS	LOW WATTS	DOWNROD LENGTH	SHIPPING WEIGHT (LBS.)
CP36	White	Up/Downdraft	36"	380	750 ft/min	7,100 cfm	0.7	0.25	76	28	16"	12
NEW CP36BK	Black	Up/Downdraft	36"	380	750 ft/min	7,100 cfm	0.7	0.25	76	28	16"	12
CP48	White	Up/Downdraft	48"	320	700 ft/min	13,000 cfm	0.8	0.35	86	36	16"	16
NEW CP48BK	Black	Up/Downdraft	48"	320	700 ft/min	13,000 cfm	0.8	0.35	86	36	16"	16
CP56 F&R	White	Up/Downdraft	56"	310	660 ft/min	20,500 cfm	0.9	0.4	97	40	16"	17
CP56S (c/w 36" downrod)	White	Up/Downdraft	56"	310	660 ft/min	20,500 cfm	0.9	0.4	97	40	36"	19
CP56 C&P c/w cord & plug, non-reversible	White	Downdraft	56"	310	660 ft/min	20,500 cfm	0.9	0.4	97	40	16"	18
CP56 BR	Brown	Up/Downdraft	56"	310	660 ft/min	20,500 cfm	0.9	0.4	97	40	16"	17
CP56FRBK	Black	Up/Downdraft	56"	310	660 ft/min	20,500 cfm	0.9	0.4	97	40	16"	18
NEW CP56WH c/w Speed Control, Non reversible	White	Downdraft	56"	310	660 ft/min	20,500 cfm	0.9	0.4	97	40	16"	17



HPWP - HIGH PERFORMANCE CEILING FANS

Engineered and designed for general applications where above average area coverage and cooling velocity are required.

FEATURES

- Reversible motor for both winter destratification and summer time cooling
- Fans are sealed and suitable for high moisture applications.
- All high performance fans are weather resistant.
- Straight blades and heavy duty motors for higher air movement and better cooling capacity.

36" downrod available as an accessory. See next page.

MODEL NUMBER	COLOR	AIRFLOW	FAN SIZE	MAX RPM	AIR VELOCITY 5' FROM FAN	AIR DELIVERY @ FLOOR	HIGH AMPS	HIGH WATTS	DOWNROD LENGTH	SHIPPING WEIGHT (LBS.)
CP48 HPWP	White	Up/downdraft	48"	325	700 ft/min	21,000 cfm	0.63	62	16"	18
CP56 HPWP	White	Up/downdraft	56"	319	660 ft/min	27,500 cfm	0.83	100	16"	24
CP60 HPWP	White	Up/downdraft	60"	292	650 ft/min	46,000 cfm	0.84	101	16"	25



CHROME 56" INDUSTRIAL FAN

Light Duty

FEATURES

- 56" blade sweeps
- 3 metal blades
- J Hook hanger for ceiling fan approved electrical box
- 4-Speed wall control included
- Also available in black

Downrods available as accessories in 36". See below.

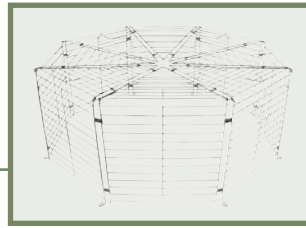
MODEL NUMBER	COLOR	AIRFLOW	FAN SIZE	MAX RPM	AIR VELOCITY 5' FROM FAN	AIR DELIVERY @ FLOOR	HIGH AMPS	LOW AMPS	HIGH WATTS	LOW WATTS	DOWNROD LENGTH	SHIPPING WEIGHT (LBS.)
NEW LIGHT COMMERCIAL												
CP56CH - approved for Electrical Box c/w 4 speed wall control	Chrome	Downdraft	56"	282	200ft/min	6190 cfm	0.6	0.19	63	9	12"	16
CP56BK - approved for Electrical Box c/w 4 speed wall control	Black	Downdraft	56"	282	200ft/min	6190 cfm	0.6	0.19	63	9	12"	16

FAN GUARDS & ACCESSORIES

CP93-56KD INDUSTRIAL FAN GUARD

Great for factories, farms, schools and warehouses.

- 61" W x 26" H
- Knockdown construction.
- Installs in minutes.
- Use with Canarm CP56, CP48 or CP36 ceiling fans.
- Shipping weight - 21 lbs.



R-B-CPUCLAMP

DOWNRODS & MOUNTING KIT

MODEL	DESCRIPTION
DR8CP56	8" Downrod for Industrial Ceiling Fans White - Not for HPWP models
DR36CP56	36" Downrod for Industrial Ceiling Fans White - Not for HPWP models
DR36CP56BK	36" Downrod for Industrial Ceiling Fans Black - Not for HPWP models
DR36CP56HP	36" Downrod for Industrial Ceiling Fans White - For HPWP models only
CP99	Angular Mounting Kit
DR36CP56CH-TS	Downrod for CP56CH - Chrome
R-B-CPUCLAMP	U Clamp for mounting CP fans in ceiling fan approved octagon box.

INDUSTRIAL CEILING FAN CONTROLS

MC CEILING FAN SPEED CONTROLS

- Infinite speed adjustment.
- Minimum speed adjustment screw.
- All controls are designed to fit a standard electrical box.
- Mount in a dry location such as the control room.
- CQ004 - Preferred control for areas where quiet operation is required (ie. churches).



PART #	MODEL	MAX # OF FANS PER CONTROL	VARIABLE SPEED OPERATION	POWER SUPPLY	AMPERAGE RATING	SHIPPING WEIGHT
MC CEILING FAN SPEED CONTROLS						
CN5041	MC-3	2	MANUAL	120V/1/60HZ	2.5	0.25 lbs
CN5061	MC-5	4	MANUAL	120V/1/60HZ	5	0.25 lbs
CN5101	MC-10	8	MANUAL	120V/1/60HZ	10	0.77 lbs
CN5151	MC-15	12	MANUAL	120V/1/60HZ	12	0.77 lbs
FRMC5 CEILING FAN CONTROLS						
CNFRMC5	FRMC5	4	MANUAL C/W FORWARD/REVERSE SWITCH	120V/1/60HZ	5	0.35 lbs
CQ004 - QUIET SPEED CONTROL						
CQ004	CQ004	1	OFF / HIGH / MEDIUM / LOW	120V/1/60HZ	1.25	0.25 lbs



HVF - HIGH VELOCITY FLOOR / TABLE / WALL CIRCULATING FANS

Effectively cools large areas in Factories, Stores, Offices, Restaurants and more

Canarm/LFI's high velocity commercial fans economically provide relief from summer heat by creating a gentle air movement.

FEATURES

- Painted silver finish.
- 3 speed dial control.
- Sturdy aluminum blades.
- 14", 18" and 20" sizes available.
- Complete with 6' 120V grounded cord set.
- Convenient carrying handle/cord wrap.
- Ergonomic tilt adjustment knobs.
- Complete with wall mount bracket.
- OSHA guard.
- Easy assembly - no tools required.



WALL MOUNT BRACKET ASSEMBLY

PERFORMANCE SPECIFICATIONS

MODEL	BLADE DIAMETER	DESCRIPTION	DIMENSIONS	H.P.	WEIGHT (LBS)
HVF14F	14"	3 Speed Floor/Table Fan	17 3/4" W x 7" D x 17" H	1/10	11
HVF18F	18"	3 Speed Floor/Table Fan	23 3/4" W x 8 1/2" D x 21 1/2" H	1/5	18
HVF20G	20"	3 Speed Floor/Table Fan	23 3/4" W x 10 1/4" D x 23" H	1/4	24

MODEL	HIGH SPEED						MEDIUM SPEED						LOW SPEED					
	CFM	AMPS	WATTS	RPM	DB (A)	VELOCITY @ 5ft (FT/MIN)	CFM	AMPS	WATTS	RPM	DB (A)	VELOCITY @ 5ft (FT/MIN)	CFM	AMPS	WATTS	RPM	DB (A)	VELOCITY @ 5ft (FT/MIN)
HVF14F	2,000	1.02	81	1490	50	411	1,600	0.71	58	1302	50	369	1,100	0.55	46	986	45	227
HVF18F	3,800	1.90	146	1115	55	642	3,000	2.10	164	1279	60	549	2,100	2.86	223	1468	64	318
HVF20G	5,000	2.98	232	1437	62	866	4,000	2.21	164	1204	57	782	2,800	1.96	146	1050	53	675



HVRA - HIGH VELOCITY ECONOMY FAN

FEATURES

- 3 speed dial control and sturdy aluminum blades.
- Complete with 6' 120V, 2 prong (with fuse) cord.
- Convenient carrying handle.

PERFORMANCE SPECIFICATIONS

MODEL	BLADE DIAMETER	DESCRIPTION	DIMENSIONS	H.P.	WEIGHT (LBS)
HVRA12	12"	3 Speed Floor/Table Fan	15 3/4" W x 7 1/2" D x 15" H	1/10	11

MODEL	HIGH SPEED						MEDIUM SPEED						LOW SPEED					
	CFM	AMPS	WATTS	RPM	DB (A)	VELOCITY @ 5ft (FT/MIN)	CFM	AMPS	WATTS	RPM	DB (A)	VELOCITY @ 5ft (FT/MIN)	CFM	AMPS	WATTS	RPM	DB (A)	VELOCITY @ 5ft (FT/MIN)
HVRA12	1,500	0.88	71	1466	48	284	1,200	0.52	42	1275	42	254	800	0.37	30	966	40	191



LF - HIGH VELOCITY CEILING OR WALL FAN

Suitable for wet locations.

FEATURES

- Ceiling or wall mount high velocity fan.
- 18" blade diameter.
- Commercial duty 3 speed motor with pull chain control.
- All metal construction.
- 1/8 hp motor.
- Epoxy coated OSHA guard.
- 9' heavy duty 120V cord with cord wrap.
- Steel wall (ceiling) mount assembly.

PERFORMANCE SPECIFICATIONS

MODEL	SIZE	H.P.	VOLTS	AMPS	Phs	RPM	SPEED	CFM	WEIGHT (LBS)
LF18HVV	18"	1/8	120	1.45/1.35/1.27	1	1290/960/760	3	5700/4100/3200	26

HAF - HORIZONTAL AIR FLOW FANS

Suitable for wet locations.



The HAF18 features a 1/15 HP totally enclosed, 115V, 0.9 amps motor. The variable speed motor can be adjusted accordingly to meet your requirements. It features open guard spacing for better air distribution and a hanging bracket. When suspended, fan can pivot up and down and swivel 360° for optimal control of air stream.

FEATURES

- 18" horizontal air flow fan
- Totally enclosed motor
- Powder coated guard has wide spacing to eliminate the build up of debris.
- Suitable for wet locations
- 115V, 8 foot grounded cord & plug

PERFORMANCE SPECIFICATIONS

MODEL	BLADE DIAMETER	MOTOR SIZE (HP)	PHS	VOLTS	AMPS	MOTOR RPM	SPEED	CFM	SHIPPING WEIGHT (LBS.)
HAF18	18"	1/15	1	115	0.9	1,400	Variable	4,000	22

CA - INDUSTRIAL GRADE CIRCULATING FANS

NOTE: CA FAN HEADS REPLACE CFH FAN HEADS

Canarm LFI's CA circulating fans economically provide relief from summer heat by creating a gentle air movement. They effectively cool large areas in factories, stores, restaurants and other public places. These fans have a low RPM motor which allows them to operate quietly.

The Floor Pedestal type fans come with a sturdy base and are supported by an adjustable tubular steel post which provides maximum stability. The Wall Mount fans are anchored with a sturdy wall bracket. There is also an optional ceiling mount.

On all fan models, the fan assembly can be tilted on a swivel bracket to direct air stream upwards or downwards. Available with oscillating motor on the pedestal and wall models.

FEATURES

- Rugged, high performance model.
- Available in 24" & 30" sizes.
- 1/4 HP, 3 speed, totally enclosed ball bearing motor with thermal overload protection.
- Fan motor RPM - 1100/950/850.
- Available with oscillating motor on the pedestal and wall models.
- Heavy gauge aluminum, well balanced fan blades.
- Air stream adjustable in all directions.
- Complete with 10', 120V grounded cord set.
- Attractive powder coated front and rear guards, meet OSHA standards.



PERFORMANCE SPECIFICATIONS

MODEL NUMBER	FAN SIZE	DESCRIPTION	CFM	VOLT	AMPS	SHIPPING WEIGHT (LBS)
HEADS ONLY						
CA24-C	24"	3 SPEED	7100/6300/5300	115	2.7	40
CA24OSC-C		3 SPEED OSCILLATING	7100/6300/5300	115	2.7	40
CA30-C	30"	3 SPEED	8300/7300/6300	115	2.7	50
CA30OSC-C		3 SPEED OSCILLATING	8300/7300/6300	115	2.7	50

QUICK REFERENCE

Use this table to make sure you order the correct fan replacement parts.

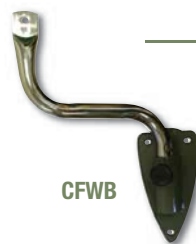
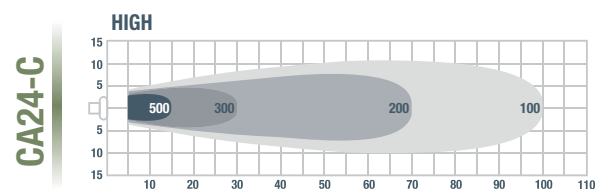
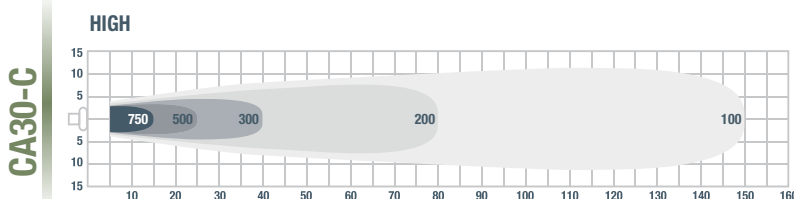
FAN HEAD MOUNTING ACCESSORIES SHOWN BELOW.

OLD MODEL	REPLACED WITH
PEDESTAL FANS - OSCILLATING	
CA24POSC-C	CA24OSC-C + CFKPB
CA30POSC-C	CA30OSC-C + CFKPB
PEDESTAL FANS - NON OSCILLATING	
CA24P-C	CA24-C + CFKPB
CA30P-C	CA30-C + CFKPB

OLD MODEL	REPLACED WITH
WALL FANS - OSCILLATING	
CA24WOSC-C	CA24OSC-C + CFWB
CA30WOSC-C	CA30OSC-C + CFWB
WALL FANS - NON OSCILLATING	
CA24W-C	CA24-C + CFWB
CA30W-C	CA30-C + CFWB

VELOCITY MAPPING CHARTS

These charts indicate the air distribution patterns of the CA fans. They are a graphic illustration of air velocity in feet per minute.



MOUNTING ACCESSORIES

MODEL	DESCRIPTION	WEIGHT (LBS)
CFKPB	KNOCK DOWN PEDESTAL BASE	36
CFWB	WALL BRACKET	6
CFCM	CEILING MOUNT (NON OSCILLATING FANS ONLY)	9

PBKD / WMKD - COMMERCIAL CIRCULATING FANS



Canarm/LFI's high velocity commercial fans economically provide relief from summer heat by creating a gentle air movement. Pedestal type fans come with a sturdy base and adjustable pole. All fans have a 3 speed motor with industrial grade aluminum blades.

FEATURES

- Commercial duty circulating fans (Knock Down).
- Painted aluminum blades.
- Standard OSHA guard.
- Motors are thermally protected.
- Available in 24" and 30" stationary and oscillating models.
- Packaged in one box, complete with mounting accessories.
- Complete with 10', 120V grounded plug.

PERFORMANCE SPECIFICATIONS

FAN SIZE	MODEL NUMBER & WEIGHT (LBS)				DESCRIPTION	H.P.	SUPPLY CFM
	PEDESTAL FAN	WEIGHT (LBS)	WALL MOUNT FAN	WEIGHT (LBS)			
24"	PBKD24-3SP	74	WMKD24-3SP	38	3 Speed	1/4	6600/5900/4900
24"	PBKD24-OSC	78	WMKD24-OSC	42	3 Speed Oscillating	1/4	6600/5900/4900
30"	PBKD30-3SP	80	WMKD30-3SP	46	3 Speed	1/4	8300/7300/6300
30"	PBKD30-OSC	84	WMKD30-OSC	49	3 Speed Oscillating	1/4	8300/7300/6300

CCU - COMMERCIAL CIRCULATING FANS

Canarm/LFI's high velocity commercial fans economically provide relief from summer heat by creating a gentle air movement. Pedestal type fans come with a sturdy base and adjustable pole. All fans have a 3 speed motor with industrial grade aluminum blades.

FEATURES

- Commercial duty circulating fans (Knock Down).
- 20" stationary models.
- Adjustable pedestal (54"-64").
- 3 speeds.
- Painted aluminum blades.
- Standard OSHA guard.
- Motors are thermally protected.
- Complete with 10', 120V grounded plug.
- 20" pedestal complete with wheel kit.

PERFORMANCE SPECIFICATIONS

MODEL	FAN SIZE	DESCRIPTION	H.P.	SUPPLY CFM	WEIGHT (LBS)
CCUP20	20"	3 Speed Pedestal Fan	1/4	6200/5200/4200	47



CD - OSCILLATING FANS

Attractive 3 speed fans that can be used for your home, office or light commercial use.



STAND FANS

- 16" model.
- Overall height is adjustable from 44" to 54".

FEATURES

- Available in desk or stand oscillating fan models.
- All models are 120 volts and come complete with cord & plug.
- Easy assembly.

PERFORMANCE SPECIFICATIONS

MODEL	FAN SIZE	DESCRIPTION	WEIGHT (LBS)
CD12OSP	12"	3 speed oscillating desk fan	8
CD16OSP	16"	3 speed oscillating desk fan	9
CD16OSPS	16"	3 speed oscillating stand fan	11



DESK FANS

- Available in 12" and 16" sizes.

HVR - DRUM FANS

For Heavy Duty Industrial/Commercial applications.
Canarm/LFI's "HVR" High Velocity Round Portable Fans circulate large volumes of air.

HVR24



FEATURES

- Heavy 18 gauge, powder coated steel housing.
- Factory balanced blade.
- Permanently lubricated, totally enclosed motors.
- 2 speed dial switch on 24" & 36" models.
- Fan drum easily pivots up for directional control with strong locking mechanism.
- Complete with 10', 120V grounded cord.
- Powder coated front and rear guards meet OSHA standards.
- Heavy duty wheel kit makes this fan easy to move.
- 5" (HVR24) and 8" (HVR36) rubber wheels with steel hubs.
- Complete with conversion kit for ceiling mount.



PERFORMANCE SPECIFICATIONS

MODEL	FAN SIZE	SPEED	H.P.	RPM	CFM	VOLTS	AMPS	WEIGHT (LBS.)
HVR24	24"	2	1/3	1100	7,000	120	1.8	43
HVR36	36"	2	1/2	825	12,000	120	4.9	103

HVR36



**COMES WITH
CEILING MOUNT
CONVERSION
KIT**





MCS & MCSA - HIGH STAND INDUSTRIAL MANCOOLERS

Designed to provide cooling effects to large, open areas.



FEATURES

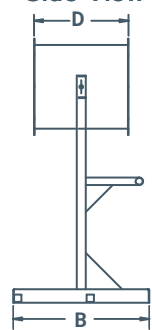
- Drums and motor supports are constructed of heavy gauge steel.
- TEFC continuous duty, ball bearing motors are standard.
- All models are direct drive and available with steel blades or cast aluminum blades.
- Heavy duty, concentric circle, OSHA wire guards are standard on all sizes.
- Consult factory for availability of explosion-proof motors.
- Casters and lift handle are standard, allowing easy maneuverability.
- Fan flow direction on the tube section can easily be rotated 180°.

Note Non-stock, made-to-order products are non-returnable and cannot be cancelled.

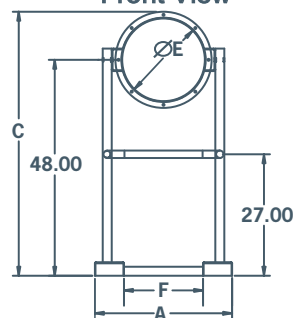
DIMENSIONS

FAN SIZE	A	B	C	D	E (Tube I.D.)	F
18"	30 1/2"	30 1/4"	58 2/3"	21"	18 3/8"	17 4/7"
24"	36 1/2"	30 1/4"	61 2/3"	21"	24 3/8"	23 4/7"
30"	42 1/2"	30 1/4"	64 2/3"	21"	30 3/8"	29 4/7"
36"	--	--	67 2/3"	27"	36 3/8"	--
42"	--	--	70 2/3"	32"	42 3/8"	--
48"	--	--	73 2/3"	32"	48 3/8"	--

Side View



Front View



PERFORMANCE SPECIFICATIONS

MCS STEEL FAN BLADE						
FAN SIZE	MODEL #		RPM	H.P.	MCS CFM	dBA @ 5 Ft
	SINGLE PHASE	THREE PHASE				
	18"	MCS18T10033C	MCS18T30033C*	1140	1/3	2654
MCS18T10050B		MCS18T30050B*	1750	1/2	4016	74
24"	MCS24T10075C	MCS24T30075C*	1140	3/4	6549	73
	MCS24T10100B	MCS24T30100B*	1750	1	6761	81
30"	MCS24T10300B	MCS24T30300B*	1750	3	9909	84
	--	MCS30T30150C*	1140	1.5	11600	79
36"	MCS30T10500B	MCS30T30500B*	1750	5	17552	90
	--	MCS36T30200D*	860	2	16364	80
42"	--	MCS36T30500C*	1140	5	21692	88
	--	MCS42T30500D*	860	5	24499	85
48"	--	MCS42T30500C*	1140	5	23209	88
	--	MCS48T30750D*	860	7.5	35654	89
	--	MCS48T30750C*	1140	7.5	32563	92

MCSA CAST ALUMINUM BLADE						
FAN SIZE	MODEL #		RPM	H.P.	MCSA CFM	dBA @ 5 Ft
	SINGLE PHASE	THREE PHASE				
	18"	MCSA18T10033C	MCSA18T30033C*	1140	1/3	2990
MCSA18T10075B		MCSA18T30075B*	1750	3/4	4590	71
24"	MCSA24T10100C	MCSA24T30100C*	1140	1	6520	69
	MCSA24T10150B	MCSA24T30150B*	1750	1.5	7660	72
30"	MCSA24T10300B	MCSA24T30300B*	1750	3	11500	79
	MCSA30T10100C	MCSA30T30100C*	1140	1	8680	69
36"	--	MCSA30T30150C*	1140	1.5	11800	73
	MCSA30T10300B	MCSA30T30300B*	1750	3	13300	78
42"	MCSA30T10500B	MCSA30T30500B*	1750	5	18200	82
	--	MCSA36T30200C*	1140	2	14000	76
48"	--	MCSA36T30300C*	1140	3	19400	77
	MCSA36T10500B	MCSA36T30500B*	1750	5	16200	78
48"	MCSA36T10750B	MCSA36T30750B*	1750	7.5	21500	85
	--	MCSA42T30200D*	860	2	19200	73
48"	--	MCSA42T30300D*	860	3	23210	75
	--	MCSA42T30500C*	1140	5	25500	79
48"	--	MCSA42T30750C*	1140	7.5	30690	81
	--	MCSA42T31000B*	1750	10	26700	86
48"	--	MCSA48T30500D*	860	5	29820	78
	--	MCSA48T30750D*	860	7.5	35700	80
48"	--	MCSA48T31000C*	1140	10	39500	84
	--	MCSA48T31500C*	1140	15	47300	86

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only.

OPTIONS

- Junction box installed on the outside of the fan body.



MCU & MCUA - LOW STAND INDUSTRIAL MANCOOLERS

Designed to provide cooling effects to large, open areas.

PERFORMANCE SPECIFICATIONS

FEATURES

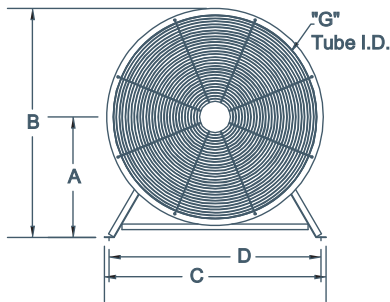
- Drums and motor supports are constructed of heavy gauge steel.
- TEFC continuous duty, ball bearing motors are standard.
- All models are direct drive and available with steel blades or cast aluminum blades.
- Heavy duty, concentric circle, OSHA wire guards are standard on all sizes.
- Consult factory for availability of explosion-proof motors.

Note Non-stock, made-to-order products are non-returnable and cannot be cancelled.

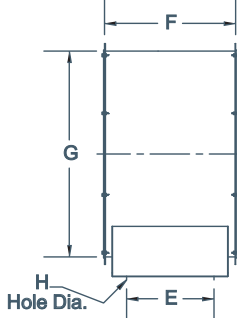
DIMENSIONS

FAN SIZE	A	B	C	D	E	F	G	H (Hole Diameter)
12"	10 1/4"	18"	16"	14"	10"	17"	12"	7/16"
18"	13 1/4"	24"	23"	21"	11"	18"	18 3/8"	7/16"
24"	16 1/4"	30"	28 1/2"	26 1/2"	13"	21"	24 3/8"	1/2"
30"	19 1/4"	36"	34 1/2"	32 1/2"	13"	21"	30 3/8"	1/2"
36"	22 7/8"	42 5/8"	40 1/2"	38 1/2"	19"	27"	36 3/8"	1/2"
42"	25 3/8"	48 1/8"	46 1/2"	44 1/2"	21"	27"	42 3/8"	5/8"
48"	28 9/16"	55"	53 1/4"	51 1/4"	23"	31"	48 3/8"	5/8"

Front View



Side View



FAN SIZE	MCU STEEL FAN BLADE					
	MODEL #		RPM	H.P.	MCU CFM	dBA @ 5 Ft
	SINGLE PHASE	THREE PHASE				
12"	MCU12T10033C	MCU12T30033C*	1140	1/3	940	53
	MCU12T10033B	MCU12T30033B*	1750	1/3	1422	65
18"	MCU18T10025C	MCU18T30025C*	1140	1/3	2654	64
	MCU18T10050B	MCU18T30050B*	1750	1/2	4016	74
24"	MCU24T10075C	MCU24T30075C*	1140	3/4	6549	73
	MCU24T10100B	MCU24T30100B*	1750	1	6761	81
	MCU24T10300B	MCU24T30300B*	1750	3	9909	84
30"	--	MCU30T30150C*	1140	1.5	11600	79
	MCU30T10500B	MCU30T30500B*	1750	5	17552	90
36"	--	MCU36T30200D*	860	2	16364	80
	--	MCU36T30500C*	1140	5	21692	88
42"	--	MCU42T30500D*	860	5	24499	85
	--	MCU42T30500C*	1140	5	23209	88
48"	--	MCU48T30750D*	860	7.5	35654	89
	--	MCU48T30750C*	1140	7.5	32563	92

FAN SIZE	MCUA CAST ALUMINUM BLADE					
	MODEL #		RPM	H.P.	MCUA CFM	dBA @ 5 Ft
	SINGLE PHASE	THREE PHASE				
12"	MCUA12T10033C	MCUA12T30033C*	1140	1/3	1450	58
	MCUA18T10033C	MCUA18T30033C*	1140	1/3	2990	60
18"	MCUA18T10075B	MCUA18T30075B*	1750	3/4	4590	71
	MCUA24T10100C	MCUA24T30100C*	1140	1	6520	69
	MCUA24T10150B	MCUA24T30150B*	1750	1.5	7660	72
24"	MCUA24T10300B	MCUA24T30300B*	1750	3	11500	79
	MCUA30T10100C	MCUA30T30100C*	1140	1	8680	69
	--	MCUA30T30150C*	1140	1.5	11800	73
30"	MCUA30T10300B	MCUA30T30300B*	1750	3	13300	78
	MCUA30T10500B	MCUA30T30500B*	1750	5	18200	82
	--	MCUA36T30200C*	1140	2	14000	76
36"	--	MCUA36T30300C*	1140	3	19400	77
	MCUA36T10500B	MCUA36T30500B*	1750	5	16200	78
	MCUA36T10750B	MCUA36T30750B*	1750	7.5	21500	85
42"	--	MCUA42T30200D*	860	2	19200	73
	--	MCUA42T30300D*	860	3	23210	75
	--	MCUA42T30500C*	1140	5	25500	79
	--	MCUA42T30750C*	1140	7.5	30690	81
	--	MCUA42T31000B*	1750	10	26700	86
48"	--	MCUA48T30500D*	860	5	29820	78
	--	MCUA48T30750D*	860	7.5	35700	80
	--	MCUA48T31000C*	1140	10	39500	84
--	MCUA48T31500C*	1140	15	47300	86	

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
dBA ratings shown are measured at 0" static pressure and should be used as a guideline only.

OPTIONS

- Junction box installed on the outside of the fan body.



MCY & MCYA - YOKE MOUNT INDUSTRIAL MANCOOLERS

Designed for superior cooling effects for large, open areas.



FEATURES

- Drums and motor supports are constructed of heavy gauge steel.
- TEFC continuous duty, ball bearing motors are standard.
- All models are direct drive and available with steel blades or cast aluminum blades.
- Heavy-duty, concentric circle, OSHA wire guards are standard on all sizes.
- Fan section can pivot on both the horizontal and vertical axis.
- Consult factory for availability of explosion-proof motors.

PERFORMANCE SPECIFICATIONS

MCY STEEL FAN BLADE						
FAN SIZE	MODEL #		RPM	H.P.	MCY CFM	dBA @ 5 Ft
	SINGLE PHASE	THREE PHASE				
	18"	MCY18T10033C	MCY18T30033C*	1140	1/3	2654
MCY18T10050B		MCY18T30050B*	1750	1/2	4016	74
24"	MCY24T10075C	MCY24T30075C*	1140	3/4	6549	73
	MCY24T10100B	MCY24T30100B*	1750	1	6761	81
	MCY24T10300B	MCY24T30300B*	1750	3	9909	84
30"	--	MCY30T30150C*	1140	1.5	11600	79
	MCY30T10500B	MCY30T30500B*	1750	5	17552	90
36"	--	MCY36T30200D*	860	2	16364	80
	--	MCY36T30500C*	1140	5	21692	88

MCYA CAST ALUMINUM BLADE						
FAN SIZE	MODEL #		RPM	H.P.	MCYA CFM	dBA @ 5 Ft
	SINGLE PHASE	THREE PHASE				
	18"	MCYA18T10033C	MCYA18T30033C*	1140	1/3	2990
MCYA18T10075B		MCYA18T30075B*	1750	3/4	4590	71
24"	MCYA24T10100C	MCYA24T30100C*	1140	1	6520	69
	MCYA24T10150B	MCYA24T30150B*	1750	1.5	7660	72
	MCYA24T10300B	MCYA24T30300B*	1750	3	11500	79
30"	MCYA30T10100C	MCYA30T30100C*	1140	1	8680	69
	--	MCYA30T30150C*	1140	1.5	11800	73
	MCYA30T10300B	MCYA30T30300B*	1750	3	13300	78
	MCYA30T10500B	MCYA30T30500B*	1750	5	18200	82
36"	--	MCYA36T30200C*	1140	2	14000	76
	--	MCYA36T30300C*	1140	3	19400	77
	MCYA36T10500B	MCYA36T30500B*	1750	5	16200	78
	MCYA36T10750B	MCYA36T30750B*	1750	7.5	21500	85

For three phase motors, substitute "*" with "M" for 230/460 volt (If 208V required please specify) or "P" for 575 volt
 dBA ratings shown are measured at 0" static pressure and should be used as a guideline only.

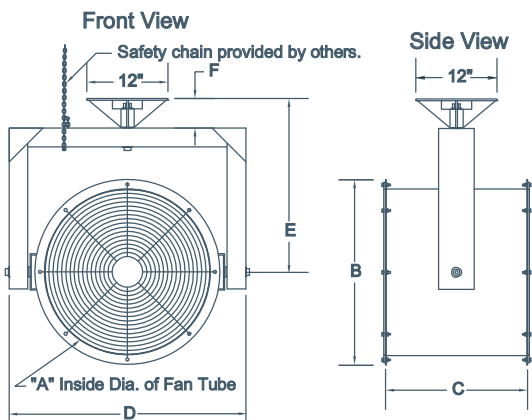
OPTIONS

- Junction box installed on the outside of the fan body.

Non-stock, made-to-order products are non-returnable and cannot be cancelled.

DIMENSIONS

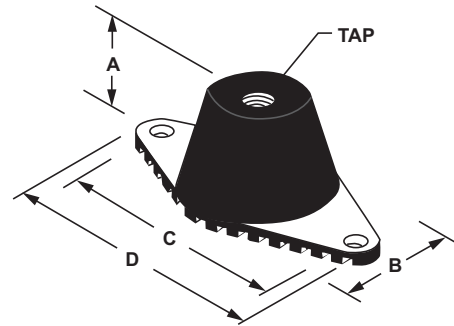
FAN SIZE	A	B	C	D	E	F
18"	18 3/8"	20 7/8"	18"	29"	24"	4 1/2"
24"	24 3/8"	27 3/8"	21"	35"	25 5/8"	4 1/2"
30"	30 3/8"	33 3/8"	21"	41 1/4"	30 1/4"	4 1/2"
36"	36 3/8"	39 3/8"	27"	47 5/16"	33 1/4"	4 1/2"



ACCESSORIES & MOTORS	VIBRATION ISOLATORS RUBBER	J1
	VIBRATION ISOLATORS SPRING	J1
	VIBRATION ISOLATORS HANGING	J2
	VIBRATION ISOLATORS OUTDOOR SPRING	J2
	HOODS	J3
	GH GALVANIZED HOODS	J3
	GH KNOCK DOWN HOODS	J3
	WHA HOODS	J3
	WHP HOODS	J3
	INTAKE & EXHAUST HOODS	J3
	PLASTIC HOODS	J3
	TEFC SERIES	J4
	Canarm Branded AC TEFC Motors	
	ROOF CURBS	J5
	TRC and RC Roof Curbs	
	MOTOR PLATFORMS	J6
	For 900 Series Blowers	

VIBRATION ISOLATORS RUBBER

- Rubber-in-shear isolators.
- Reduces vibration transmission to floors or roof surfaces.
- Suitable for indoor and outdoor use.

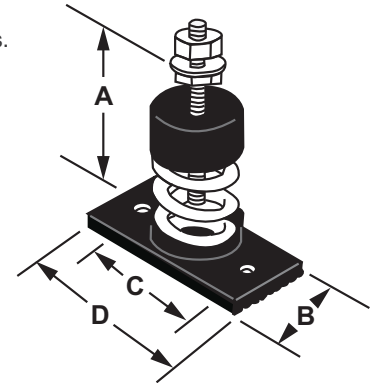


BLOWER MODEL	QUANTITY REQUIRED	RUBBER VI-RS	RATED LOAD	COLOUR	RATED DEFLECTION	DIMENSION				TAP SIZE
						A	B	C	D	
207, 209, 210, 212, IDB7-12, 207-2, 9209, 9210, DSQ-B-10,12,13,15,16, 407, 409, 410, 412, 415, 610, 612, 809, 810, 812, 815, 907, 909, 910, 912, 915, 918, BI-10, DPL-12,13,15,16,18,	4	R-B-8860041	40 lbs	Red	0.35"	1-1/4"	1-3/4"	2-3/8"	3-1/8"	11/32"
615, BI-12, BI-13, BI-15, DPL-12,13,15,16,18, DPL Units WITH MOTOR BASE & PLATFORM	6	R-B-8860041	40 lbs	Red	0.35"	1-1/4"	1-3/4"	2-3/8"	3-1/8"	11/32"
215, IDB15, 209-2, 210-2, 212-2, 9212, 9215, 9209-2, 9210-2, DSQ-B-18,20,22, 418, 818, DPL-20,22,24,27,30	4	R-B-8860042	115 lbs	Black	0.35"	1-1/4"	1-3/4"	2-3/8"	3-1/8"	11/32"
618, BI-16, BI-18, DPL-20,22,24,27,30 DPL Units WITH MOTOR BASE & PLATFORM	6	R-B-8860042	115 lbs	Black	0.35"	1-1/4"	1-3/4"	2-3/8"	3-1/8"	11/32"
215-2, 9212-2, 9215-2, DSQ-B-24,27, 420, 422, 425,420, DPL-33,36	4	R-B-8860043	165 lbs	Red	0.40"	1-3/4"	2-3/8"	3"	3-7/8"	11/32"
BI-20, BI-22, BI-24, BI-27, BI-30, DPL-33,36 DPL Units WITH MOTOR BASE & PLATFORM	6	R-B-8860043	165 lbs	Red	0.40"	1-3/4"	2-3/8"	3"	3-7/8"	11/32"
9218, 218, 9220, 920, 922, 925	4	R-B-8860044	300 lbs	Red	0.50"	1-3/4"	2-3/8"	3"	4"	1/2"
620, 622, 625, BI-33, BI-36,	6	R-B-8860044	300 lbs	Red	0.50"	2"	2-3/8"	3-1/8"	4"	1/2"
9220-2	4	R-B-8860045	400 lbs	Green	0.50"	2"	2-3/8"	3-1/8"	4"	1/2"



VIBRATION ISOLATORS SPRING

- Spring vibration isolators.
- Reduces vibration transmission to floors or roof surfaces.
- Suitable for indoor use only.



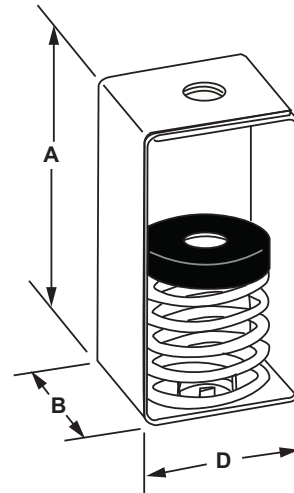
BLOWER MODEL	QUANTITY REQUIRED	SPRING VI-SG	RATED LOAD	COLOUR	RATED DEFLECTION	DIMENSION				STUD DIAMETER
						A	B	C	D	
207, 209, 210, 212, IDB7-12, 207-2, 9209, 9210, DSQ-B-10,12,13,15,16, 407, 409, 410, 412, 415, 610, 612, 809, 810, 812, 815, 907, 909, 910, 912, 915, BI-10, DPL-12,13,15,16,18	4	R-B-8860046	40 lbs	Yellow	1"	4-3/4"	2-1/8"	3"	4"	1/2"
		R-B-8860111	60 lbs	Silver/Blue	1.3"	4-1/2"	4"	5"	6"	1/2"
BI-12, BI-13, BI-15, DPL-12,13,15,16,18 DPL Units WITH MOTOR BASE & PLATFORM	6	R-B-8860046	40 lbs	Yellow	1"	4-3/4"	2-1/8"	3"	4"	1/2"
		R-B-8860111	60 lbs	Silver/Blue	1.3"	4-1/2"	4"	5"	6"	1/2"
215, IDB15, 209-2, 210-2, 212-2, 9212, 9215, 9209-2, 9210-2, DSQ-B-18,20,22, 418, 818, 918, DPL-20,22,24,27,30	4	R-B-8860047	100 lbs	Red	1"	4-3/4"	2-1/8"	3"	4"	1/2"
		R-B-8860112	100 lbs	Silver/Orange	1.3"	4-1/2"	4"	5"	6"	1/2"
615, BI-16, BI-18, DPL-20,22,24,27,30 DPL Units WITH MOTOR BASE & PLATFORM	6	R-B-8860047	100 lbs	Red	1"	4-3/4"	2-1/8"	3"	4"	1/2"
		R-B-8860112	100 lbs	Silver/Orange	1.3"	4-1/2"	4"	5"	6"	1/2"
215-2, 9218, 218, 9220, 9212-2, DSQ-B-24,27, 420, 422, 425, BI-27, BI-30, DPL-33,36	4	R-B-8860048	150 lbs	White	1"	4-3/4"	2-1/8"	3"	4"	1/2"
		R-B-8860113	165 lbs	Silver/Brown	1.2"	4-1/2"	4"	5"	6"	1/2"
618, 620, 622, 625, BI-20, BI-22, BI-24, DPL-33,36 DPL Units WITH MOTOR BASE & PLATFORM	6	R-B-8860048	150 lbs	White	1"	4-3/4"	2-1/8"	3"	4"	1/2"
		R-B-8860113	165 lbs	Silver/Brown	1.2"	4-1/2"	4"	5"	6"	1/2"
9215-2, 920, 922, 925	4	R-B-8860049	210 lbs	Green	1"	4-3/4"	2-1/8"	3"	4"	1/2"
		R-B-8860114	260 lbs	Silver/Black	1.0"	4-1/2"	4"	5"	6"	1/2"
BI-33, BI-36	6	R-B-8860049	210 lbs	Green	1"	4-3/4"	2-1/8"	3"	4"	1/2"
		R-B-8860114	260 lbs	Silver/Black	1.0"	4-1/2"	4"	5"	6"	1/2"
9218-2	4	R-B-8860050	300 lbs	Blue	1"	4-3/4"	2-1/8"	3"	4"	1/2"
		R-B-8860115	370 lbs	Silver/Yellow	0.8"	4-1/2"	4"	5"	6"	1/2"
9220-2	4	R-B-8860051	400 lbs	Orange	1"	4-3/4"	2-1/8"	3"	4"	1/2"
		R-B-8860116	450 lbs	Silver/Red	0.5"	4-1/2"	4"	5"	6"	1/2"

ACCESSORIES



VIBRATION ISOLATORS HANGING

- Hanging rubber-in-shear isolators.
- Reduces vibration transmission to floors or roof surfaces.
- Suitable for indoor and outdoor use.

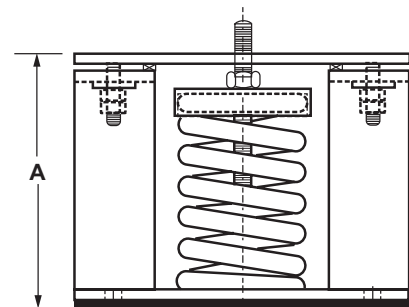
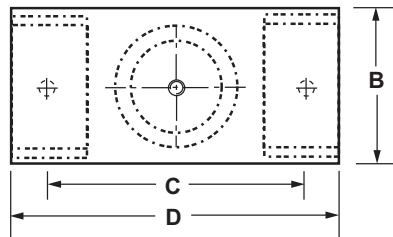


BLOWER MODEL	QUANTITY REQUIRED	HANGER VI-SH	WEIGHT CAPACITY	COLOUR	RATED DEFLECTION	DIMENSION			HANGER VI-SH
						A	B	D	
207, 209, 210, 212, IDB7-12, 9209, 9210, DSQ-B-10,12,13,15,16, DSQ-B-18,20,22, 407, 409, 410, 412, 415, 809, 810, 812, 907, 909, 910, 912,	4	R-B-8860058	60 Lbs	Silver/Blue	1.3"	4-1/2"	2-1/4"	3"	Up to 1/2" Rod
215, IDB15, 207-2, 209-2, 210-2, 212-2, 9212, 9215, 9209-2, 9210-2, 418, 815, 818, 915, 918	4	R-B-8860059	100 lbs	Silver/Orange	1.3"	4-1/2"	2-1/4"	3"	Up to 1/2" Rod
215-2, 9218, 218, 9212-2, DSQ-B-24,27, 420, 422, 425,	4	R-B-8860060	165 lbs	Silver/Brown	1.2"	4-1/2"	2-1/4"	3"	Up to 1/2" Rod
9220, 9215-2, 920, 922, 925	4	R-B-8860061	260 lbs	Silver/Black	1.0"	4-1/2"	2-1/4"	3"	Up to 1/2" Rod
9218-2,	4	R-B-8860062	370 lbs	Silver/Yellow	0.8"	4-1/2"	2-1/4"	3"	Up to 1/2" Rod
9220-2	4	R-B-8860063	450 lbs	Silver/Red	0.5"	4-1/2"	2-1/4"	3"	Up to 1/2" Rod



VIBRATION ISOLATORS OUTDOOR SPRING

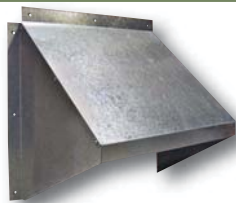
- Spring vibration isolators.
- Reduces vibration transmission to floors or roof surfaces.
- Designed for outdoor use. Housed to resist lateral motion from winds.



BLOWER MODEL	QUANTITY REQUIRED	OUTDOOR ISOLATORS	WEIGHT	COLOUR	RATED DEFLECTION	DIMENSION				STUD DIAMETER
						A	B	C	D	
9209, 9210, BI-10,	4	R-B-8860052	60 lbs	Silver/Blue	1.3"	5-5/8"	3"	4-1/2"	6"	1/2"
BI-12, BI-13, BI-15	6	R-B-8860052	60 lbs	Silver/Blue	1.3"	5-5/8"	3"	4-1/2"	6"	1/2"
9212, 9215	4	R-B-8860053	100 lbs	Silver/Orange	1.3"	5-5/8"	3"	4-1/2"	6"	1/2"
615, BI-16, BI-18	6	R-B-8860053	100 lbs	Silver/Orange	1.3"	5-5/8"	3"	4-1/2"	6"	1/2"
9218, 218	4	R-B-8860054	165 lbs	Silver/Brown	1.2"	5-5/8"	3"	4-1/2"	6"	1/2"
618, BI-20, BI-22, BI-24, BI-27, BI-30	6	R-B-8860054	165 lbs	Silver/Brown	1.2"	5-5/8"	3"	4-1/2"	6"	1/2"
9220	4	R-B-8860055	260 lbs	Silver/Black	1.0"	5-5/8"	3"	4-1/2"	6"	1/2"
620, 622, 625, BI-33, BI-36	6	R-B-8860055	260 lbs	Silver/Black	1.0"	5-5/8"	3"	4-1/2"	6"	1/2"
9209-2, 9210-2	4	R-B-8860053	100 lbs	Silver/Orange	1.3"	5-5/8"	3"	4-1/2"	6"	1/2"
9212-2	4	R-B-8860054	165 lbs	Silver/Brown	1.2"	5-5/8"	3"	4-1/2"	6"	1/2"
9215-2	4	R-B-8860055	260 lbs	Silver/Black	1.0"	5-5/8"	3"	4-1/2"	6"	1/2"
9218-2	4	R-B-8860056	370 lbs	Silver/Yellow	0.8"	5-5/8"	3"	4-1/2"	6"	1/2"
9220-2	4	R-B-8860057	450 lbs	Silver/Red	0.5"	5-5/8"	3"	4-1/2"	6"	1/2"

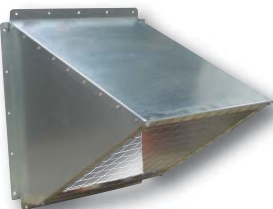
HOODS

GH GALVANIZED HOODS



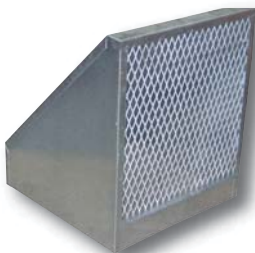
- Economical shipping.
- Easy to assemble, galvanized hood.
- No screens.

GH KNOCK DOWN HOODS



- Easy to assemble, galvanized hood.
- Includes bird screen.

WHA HOODS



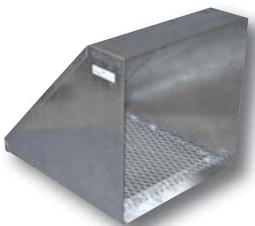
- For AX fans.
- Shipped fully assembled.
- 18 gauge galvanized weather hoods complete with bird screen.

WHP HOODS



- Optional insect screen available. Consult factory.
- For Panel fans.

INTAKE & EXHAUST HOODS



- Shipped fully assembled.
- 18 gauge galvanized weather hoods complete with bird screen.

PLASTIC HOODS



- Rugged, grey plastic hood.
- No screens.

HOOD MODEL	DIMENSIONS		APPROX. WEIGHT (LBS)	FANS THAT WILL FIT
	INSIDE DIMENSIONS	OUTSIDE DIMENSIONS		
GH GALVANIZED HOODS				
GH-XF12-M	14.75"W X 14.0"H	18"W X 15.75"H	4	XF12 / XB12 / SD8 / SD10 / AX8 / AX10 / AX12
GH-XF16-M	18.75"W X 17.75"H	22"W X 19.75"H	7	XF16 / XB12 / HV12 / HVA12 / ADD12 / DDP12 / DDS12 / SD12-14 / AX14-16
GH-XF20-M	22.75"W X 22"H	26"W X 23.75"H	9	XF20 / XB14 / XB16 / HV14-16 / HVA14-16 / ADD14-16 / DDP14-16 / DDS14-16 / SD16-18 / AX18-20
GH-XF24-M	26.75"W X 26"H	29"W X 27.25"H	12	XFS24
GH KNOCK DOWN HOODS				
GH-KD24	31.65"W X 31.85"H	34.65"W X 34.83"H	31	XB24 / HV24 / HVA24 / ADD24 / DDP24 / DDS24 / SD24 / AX24
GH-KD36	43.62"W X 43.93"H	46.62"W X 46.82"H	75	XB30-36 / HV30-36 / HVA30-36 / ADD30-36 / DDS30-36 / SD30-36 / AX30-36 / SD42 / AX42
GH-KD48	55.62"W X 55.25"H	58.62"W X 58.82"H	TBA	XB42-48 / HV42-48 / HVA42-48 / ADD42-48 / DDS42-48
GH-KD60	69.76"W X 69.92"H	72.76"W X 72.95"H	TBA	XB54-60 / HV54-60 / HVA54-60 / ADD54-60
WHA HOODS				
WHA8-10	12.11"W X 12.11"H		13	AX08-10, SD8
WHA12	14.05"W X 14.05"H		16	AX12, SD10
WHA14	16.11"W X 16.11"H		22	AX14, SD12
WHA16	18.11"W X 18.11"H		26	AX16, SD14
WHA18	20.11"W X 20.11"H		29	AX18, SD16
WHA20	22.05"W X 22.05"H		31	AX20, SD18
WHA24	26.05"W X 26.05"H		47	AX24
WHA30	33.05"W X 33.05"H		59	AX30
WHA36	39.11"W X 39.11"H		76	AX36
WHP HOODS				
WH8-10P	14.45"W X 14.45"H		20	P08 / P10
WH12P	17.40"W X 17.40"H		16	P12
WH14P	19.20"W X 19.20"H		24	P14
WH16P	21.20"W X 21.20"H		26	P16
WH18P	23.20"W X 23.20"H		29	P18
WH20P	25.20"W X 25.20"H		44	P20
WH24P	29.15"W X 29.15"H		44	P24
WH30P	35.65"W X 35.65"H		60	P30
WH36P	41.65"W X 41.65"H		77	P36
EXHAUST / INTAKE / WEATHER HOODS				
EH12	16.55"W X 16.55"H		9	XF12 / SD8-12 / AX8-14 / XB12 / HV12 / HVA12 / ADD12 / DDP12 / DDS12
EH14	18.60"W X 18.60"H		15	XB14 / HV14 / HVA14 / ADD14 / DDP14 / DDS14 / SD14 / XF16 / AX16
EH16	20.60"W X 20.60"H		20	AX18 / SD16 / XB16 / HV16 / HVA16 / ADD16 / DDP16 / DDS16
EH18	22.55"W X 22.55"H		31	SD18 / XB18 / HV18 / HVA18 / ADD18 / DDP18 / DDS18 / XF20 / AX20
EH20	24.55"W X 24.55"H		44	SD20 / XB20 / XF24 / HV20 / HVA20 / ADD20 / DDP20 / DDS20
EH24	30.05"W X 30.05"H		60	SD24 / AX24 / XB24 / ADD24 / HV24 / HVA24 / DDP24 / DDS24
EH30	36.35"W X 36.35"H		72	SD30 / AX30 / XB30 / HV30 / HVA30 / ADD30 / DDS30 / JFHVA24
EH36	42.30"W X 42.30"H		104	SD36 / AX36 / XB36 / HV36 / HVA36 / ADD36 / DDS36 / JFHVA30
EH42	48.63"W X 48.63"H		163	XB42 / HV42 / HVA42 / ADD42 / DDS42 / JFHVA36 / SD42 / AX42
EH48	54.64"W X 54.64"H		TBA	XB48 / HV48 / HVA48 / ADD48 / DDS48 / JFHVA42
EH54	61.20"W X 61.20"H		TBA	XB54 / HV54 / HVA54 / ADD54 / JFHVA48
EH60	69.39"W X 69.39"H		TBA	XB60 / HV60 / HVA60 / ADD60
PLASTIC HOODS				
HFP-18G	21.50"W X 21.75"H		9	S8 / S10 / S12 / S14 / S16 / S18 AX08 / AX10 / AX12 / AX14 / AX16 / AX18
HFP-24G	27.50"W X 27.75"H		13	S20 / S24 AX20 / AX24

All 3 phase motors now VFD compatible!

NEW



CANARM BRANDED AC TEFC MOTORS

From a Trusted name in Ventilation...

You Know Canarm as Canada's leading manufacturer of Ventilation equipment. Canarm also imports a number of competitively priced Electric motors that are ideal for use on axial fans and blowers.

Canarm electric motors are available in a variety of horsepower ranges and frame sizes to fit your application.

All motors are CSA approved for use in Canada and the United States.



FEATURES

- Totally enclosed fan cooled (TEFC) or open drip proof (DDP)
- Ball bearing
- Thermally protected (where indicated below)
- F Class insulation.
- 40°C ambient temperature rated
- Available in single or three phase
- Single speed only
- All 3 phase units now VFD compatible

PERFORMANCE SPECIFICATIONS

Canarm Model #	HP	PH	RPM	VOLTS	Frame	ENCL	SF	HZ	Capacitor (Run or Start or CSCR)	Thermal Protection	Mount	Premium Efficiency	CSA/CSAus
SINGLE PHASE TEFC													
1M111-C	1/3	1	1800	115/230V	56C	TEFC	1.15	60	CSCR	MANUAL	Rigid Base + C-Face	NO	CSA/CUS
1M112-C	1/2	1	1800	115/230V	56C	TEFC	1.15	60	CSCR	MANUAL	Rigid Base + C-Face	NO	CSA/CUS
1M113-C	3/4	1	1800	115/230V	56C	TEFC	1.15	60	CSCR	MANUAL	Rigid Base + C-Face	NO	CSA/CUS
1M114-C	1	1	1800	115/230V	56C	TEFC	1.15	60	CSCR	MANUAL	Rigid Base + C-Face	NO	CSA/CUS
1M115-C	1.5	1	1800	115/230V	56C	TEFC	1.15	60	CSCR	MANUAL	Rigid Base + C-Face	NO	CSA/CUS
1M116-C	2	1	1800	115/230V	56HC	TEFC	1.15	60	CSCR	MANUAL	Rigid Base	NO	CSA/CUS
1M117-C	3	1	1800	208-230V	182T	TEFC	1.15	60	CSCR	MANUAL	Rigid Base	NO	CSA/CUS
1M118W-C	5	1	1800	208-230V	184T	TEFC	1.15	60	CSCR	NO	Rigid Base	NO	CSA/CUS
1M119-C	7.5	1	1800	208-230V	213T	TEFC	1.15	60	CSCR	NO	Rigid Base	NO	CSA/CUS
1M120-C	10	1	1800	208-230V	215T	TEFC	1.15	60	CSCR	NO	Rigid Base	NO	CSA/CUS
DDP MOTORS 60 HZ													
1MD008-C	1/8	1	1800	115/230	48	ODP	1	60	RUN	AUTO	T Bolt and Rigid Base	NO	CSA/CUS
1MD110-C	1/4	1	1800	115/230	48	ODP	1	60	RUN	AUTO	T Bolt and Rigid Base	NO	CSA/CUS
1MD111-C	1/3	1	1800	115/230	48	ODP	1	60	RUN	AUTO	T Bolt and Rigid Base	NO	CSA/CUS
1MD112-48	1/2	1	1800	115/230	48	ODP	1	60	RUN	AUTO	T Bolt and Rigid Base	NO	CSA/CUS
1MD113-48	3/4	1	1800	115/230	48	ODP	1	60	RUN	AUTO	T Bolt and Rigid Base	NO	CSA/CUS
1MD114-C	1	1	1800	115/208-230	56	ODP	1.15	60	CSCR	MANUAL	C-Face and Rigid Base	NO	CSA/CUS
1MD115-C	1.5	1	1800	115/208-230	56	ODP	1.15	60	CSCR	MANUAL	C-Face and Rigid Base	NO	CSA/CUS
1MD116-C	2	1	1800	115/208-230	56	ODP	1.15	60	CSCR	MANUAL	C-Face and Rigid Base	NO	CSA/CUS
VFD COMPATIBLE 3 PHASE MOTORS													
3M211-V	1/3	3	1800	230/460V	56C	TEFC	1.15	60	NO	NO	Rigid Base + C-Face	NO	CSA/CUS
3M212-V	1/2	3	1800	230/460V	56C	TEFC	1.15	60	NO	NO	Rigid Base + C-Face	NO	CSA/CUS
3M213-V	3/4	3	1800	230/460V	56C	TEFC	1.15	60	NO	NO	Rigid Base + C-Face	NO	CSA/CUS
3M214-V	1	3	1800	230/460V	56HC	TEFC	1.15	60	NO	NO	Rigid Base + C-Face	NO	CSA/CUS
3M215-V	1.5	3	1800	208-230/460V	56	TEFC	1.15	60	NO	NO	Rigid Base	YES	CSA/CUS/CC
3M216-V	2	3	1800	208-230/460V	56	TEFC	1.15	60	NO	NO	Rigid Base	YES	CSA/CUS/CC
3M217-V	3	3	1800	208-230/460V	182T	TEFC	1.15	60	NO	NO	Rigid Base	YES	CSA/CUS/CC
3M218-V	5	3	1800	208-230/460V	184T	TEFC	1.15	60	NO	NO	Rigid Base	YES	CSA/CUS/CC
3M219-V	7.5	3	1800	208-230/460V	213T	TEFC	1.15	60	NO	NO	Rigid Base	YES	CSA/CUS/CC
3M220-V	10	3	1800	208-230/460V	215T	TEFC	1.15	60	NO	NO	Rigid Base	YES	CSA/CUS/CC

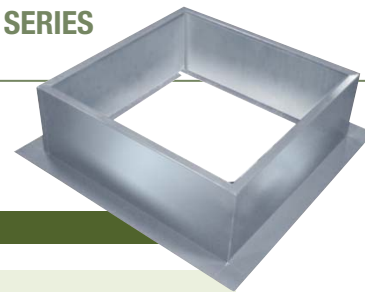
WARRANTY

- 1 year warranty

ROOF CURBS

GALVANIZED ROOF CURBS - NON-VENTED - FOR 300, 700, SIS, ALX, SB-SBRM & SD-SDUB SERIES (Non-vented) 18" High (RCG) or 12" High (RCGL)

- RCG are 18" high
- RCGL are 12" high
- 18 gauge galvanized steel construction
- 1 3/4" flanges
- Insulated curbs available (RCGI or RCGLI)
- Shipped fully assembled



RCG ROOF CURB

Part # (Non-Insulated)	Part # (Insulated)	Curb OD Dimension sq	Curb fits Models
RCG17.5 / RCGL17.5	RCGI17.5 / RCGLI17.5	17.5"	ALX105, ALX120, SD-SDUB-10, SD-SDUB-12
RCG18.5 / RCGL18.5	RCGI18.5 / RCGLI18.5	18.5"	307
RCG19.5 / RCGL19.5	RCGI19.5 / RCGLI19.5	19.5"	ALX135, ALX150, SB-SBRM-13, SD-SDUB-30, SD-SDUB-33, SD-SDUB-50, ALX105-C2, ALX120-C2
RCG22.5 / RCGL22.5	RCGI22.5 / RCGLI22.5	22.5"	309,709,SIS-09
RCG23.25 / RCGL23.25	RCGI23.25 / RCGLI23.25	23.25"	ALX165, SB-SBRM-15, SD-SDUB-85, ALX135-C2, ALX150-C2, ALX-180-C2
RCG26.5 / RCGL26.5	RCGI26.5 / RCGLI26.5	26.5"	ALX180, SIS-10, SB-SBRM-18, ALX165-C2
RCG30.5 / RCGL30.5	RCGI30.5 / RCGLI30.5	30.5"	312,712,715, SIS-12, SIG-12, SIG-15
RCG31.5 / RCGL31.5	RCGI31.5 / RCGLI31.5	31.5"	ALX210, ALX245, SB-SBRM-24
RCG34.5 / RCGL34.5	RCGI34.5 / RCGLI34.5	34.5"	315,718,SIS-15,SIS-18
RCG38.5 / RCGL38.5	RCGI38.5 / RCGLI38.5	38.5"	318, SB-SBRM-30, ALX210-C2, ALX245-C2
RCG42.5 / RCGL42.5	RCGI42.5 / RCGLI42.5	42.5"	SIS-20

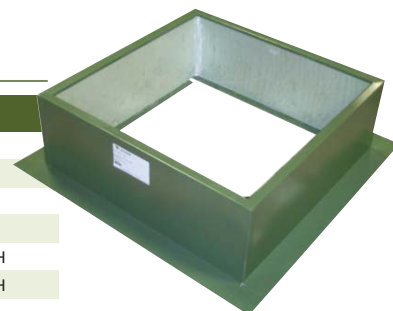
Please note Galvanized Curbs (RCG's) are for UL 705 only.
For UL762 the curb must be vented and be a minimum of 40" from roof to outlet - use RCGV curbs (below)

ROOF CURBS FOR RTA, RB OR RD

- 16 gauge galvanized or painted steel construction
- RC are insulated, painted, with 3" flanges and damper shelf
- RCG are non-insulated, galvanized, with 1 3/4" flanges
- RCGI are insulated, galvanized, with 1 3/4" flanges
- All are 10 1/4" high
- Non-vented
- Shipped fully assembled

ROOF CURBS FOR RTA, RB & RD SERIES (Non-vented) 10 1/4" High

Part # Painted	Part # Galv (Non-Insulated)	Part # Galv (Insulated)	Curb OD Dimension sq	Curb fits Models
RC18	RCG21.625	RCGI21.625	21.6"	RTA18
RC24	RCG29.125	RCGI29.125	29.1"	RTA-RB-RD24
RC30	RCG35.125	RCGI35.125	35.1"	RTA-RB-RD30
RC36	RCG41.125	RCGI41.125	41.1"	RTA-RB-RD36
RC42	RCG47.125	RCGI47.125	47.1"	RTA-RB-RD42-RTASH
RC48	RCG53.125	RCGI53.125	53.1"	RTA-RB-RD48-RTASH
RC54	RCG59.125	RCGI59.125	59.1"	RTA-RB54-RTASH
RC60	RCG67.125	RCGI67.125	67.1"	RTA-RB60



VENTED ROOF CURBS FOR ALX, SB-SBRM & SD-SDUB

- UL762 requires vents and minimum 40" from roof to outlet
- Curb height varies to meet UL762 (see table below)
- RCGV are 18" high
- RCGVL are 12" high
- RCGVH vary to meet UL762
- 18 gauge galvanized steel construction
- 1 3/4" flanges
- Non-insulated
- Shipped fully assembled



RCGV ROOF CURB

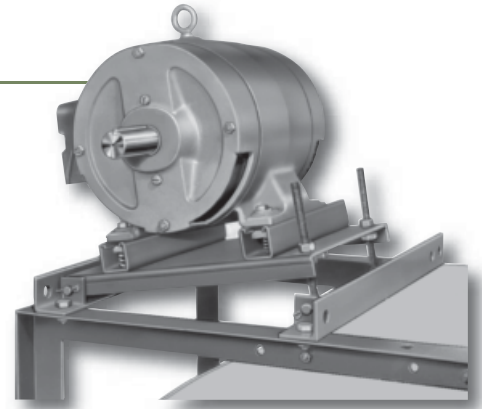
(Vented) RCGV ROOF CURBS FOR ALX, SB-SBRM & SD-SDUB SERIES

Part #	Part #	UL762 Curb Height	Curb OD Dimension sq	Curb fits Models
Vented 18" high (RCGV) Vented 12" high (RCGVL)	To meet UL762			
RCGV17.5 / RCGVL17.5	RCGVH17.5	27"	17.5"	ALX105, ALX120, SD-SDUB-10, SD-SDUB-12
RCGV19.5 / RCGVL19.5	RCGVH19.5	23"	19.5"	ALX135, ALX150, SB-SBRM-13, SD-SDUB-30, SD-SDUB-33, SD-SDUB-50, HRE-13, ALX105-C2, ALX105-C2
RCGV23.25 / RCGVL23.25	RCGV23.25	18"	23.25"	ALX165, SB-SBRM-15, SD-SDUB-85, HRE-16, ALX135-C2, ALX150-C2, ALX180-C2
RCGV26.5 / RCGVL26.5	RCGV26.5	18"	26.5"	ALX180, SB-SBRM-18, HRE-20, ALX165-C2
RCGV31.5 / RCGVL31.5	RCGV31.5	18"	31.5"	ALX210, ALX245, SB-SBRM-24, HRE-24
RCGV38.5 / RCGVL38.5	RCGV38.5	18"	38.5"	SB-SBRM-30, AXL210-C2, ALX245-C2

MOTOR PLATFORMS

MOTOR PLATFORMS - FOR 900 SERIES TRADITIONAL STYLE (powder coated partial assembly)

Part #	HP	Fits Models	Unit Weight (lbs)	Shipping Weight (lbs)
9200011	1 - 15	912,915,915-10, 918-13	28	31
9200002		918	30	32
9200003		920, 922, 920-18	35	38
9200004		925	37	40
9200017		927, 930	50	55
9200019		933, 936	55	60
9200018		20 - 50	918	72
9200008	920, 922, 920-18		72	88
9200009	925		72	88
9200020	927, 930		85	95
9200021	933, 936		85	95



MOTOR PLATFORMS - FOR 900 SERIES GALVANIZED (Knockdown)

Part #	HP	Fits Models
9200011-G	Up to 5 HP	912,915,915-10, 918-13
9200002-G	Up to 5 HP	918
9200003-G	Up to 5 HP	920, 922, 920-18
9200004-G	Up to 5 HP	925
9200017-G	Up to 5 HP	927, 930
9200019-G	Up to 5 HP	933, 936



MOTOR PLATFORMS - FOR 900 SERIES PAINTED (Knockdown)

Part #	HP	Fits Models
9200040	7.5 to 15 HP	912,915,915-10, 918-13
9200041	7.5 to 15 HP	918
9200042	7.5 to 15 HP	920, 922, 920-18
9200043	7.5 to 15 HP	925
9200044	7.5 to 15 HP	927, 930
9200045	7.5 to 15 HP	933, 936



CONTROLS & THERMOSTATS	CTS-M5160	K1
	Carbon Monoxide Detector	
	K-KONTROL SERIES	K1
	Thermostats	
	TF115 SUNNE SERIES	K1
	Thermostats	
	RANCO SERIES	K1
	Thermostats	
	TS15 SERIES	K2
	Two Speed Control	
	MC SERIES	K2
	Manual Variable Speed Controls	
	MSC-4 SERIES	K2
	Variable Speed Controls	
	MTC-4C SERIES	K2
	Modulating Temperature Control	
	MC SERIES	K3
Industrial Ceiling Fan Controls		
FRMC5 SERIES	K3	
Ceiling Fan Controls		
CQ004 SERIES	K3	
Quiet Speed Control		
VFD-B SERIES	K4	
Variable Speed AC Motor Drives		
VFD - LENZE SERIES	K4	
Variable Frequency Multi-Function Micro Drive		
DISCONNECT SWITCHES	K4	
CONTROLS & OPERATORS	K5	

CARBON MONOXIDE DETECTOR



CTS-M5160 CARBON MONOXIDE DETECTOR

CTS-M5160 is a microprocessor based transmitter that detects carbon monoxide and activates relays when the set concentration is met. The **CTS-M5160** can be set for rising or falling carbon monoxide levels.

- Attaches to a standard 2" x 4" electrical box
- Programmable delay (0 - 60 minutes in 5 minute increments)
- Input Power: 24V
- Sensor Type: Electromechanical
- Sensor Life: 2 - 3 years
- Relay: Two, SPDT, 1 amp dry contact

PRINCIPLES OF OPERATION

Electrochemical gas sensors are micro-fuel cells designed to be maintenance free and stable for long periods. Gas continuously enters the self-contained cell through a flow limiting diffusion barrier. The target gas reacts within the electrolyte creating a microamp current flow between the electrodes. No fluid replenishment is required as these cells are not self-consuming. The cell electrodes degrade with time resulting in a typical working life of 2 to 3 years.

The CTS-M5 transmitter is powered by a nominal 24 V external power supply in a two-wire connection. It transmits a 4-20 mA, 2-10 V, or an RS-485 signal over the calibrated range of the sensor selected. The transmitter is factory configured and calibrated for the sensor selected when ordered as a complete assembly. This universal transmitter accepts any of the listed sensors into a plug-in socket on the board. Calibration is achieved through a simple zero and span adjustment using the appropriate calibration gas concentration for the sensor installed.

THERMOSTATS

K-KONTROL THERMOSTATS

Great for use on XF and UF10-G fans!

- Single KJ16110, portable single KP16110 and two KT16110 stage models.
- Reliable Johnson thermostats, low cost.
- Moisture proof box.
- Convenient flip open cover, stainless steel coil and portable hanger.
- Use anywhere portable model - simply plug control into outlet and then the device into the control.
- Two stage model for two stages of heating and/or cooling or two speed fans.
- Single and two stage models: 16 Amp rating at 120V; 8 Amp rating at 240V.
- Portable model: 16 Amp rating at 120V.
- Ideal for 120V fans & heaters.

TF115 - SUNNE THERMOSTATS

- Single stage thermostat for heating or cooling.
- NEMA 4 enclosure, stainless steel coil, multi-position mounting.
- Large, easy to read, 40° - 100° F dial
- 16 Amp rating at 120V; 12 Amp rating at 240V.

RANCO THERMOSTATS

- Single T1NEMA4D1 and two stage T2NEMA4D1 models.
- NEMA 4 enclosure, easy to read LCD display, lockout switch.
- Programmable differential (1 to 30° F).
- Wide operating range (-30° to 220° F), user selectable F/C°.
- 8' temperature probe included (extendable to 400').
- Two stage model for two stages of heating and/or cooling or two speed fans.
- 10 Amp rating at 120V; 5 Amp rating at 240V.



KP16110
(Portable Model
with plug)

KJ161100



TWO SPEED CONTROL



TS15 CONTROL

- Manual control for 2 speed fans.
- High/low/off SPDT switch.
- For dry locations.
- 15 Amp rating at 115V; 10 Amp rating at 230V

MANUAL VARIABLE SPEED CONTROLS

MC CONTROLS

Great for use on AX, SD, DFRC and AXC fans!

- Minimum speed adjustment screw.
- Designed to fit a standard 3" x 5" electrical box.
- Mount in a dry location.
- Now available in 230V/1/60HZ.
- Ideal for use on variable speed SD Standard Exhaust fans, AX, DFRC and AXC fans (not for use with single speed motors).



MODEL	POWER SUPPLY	AMPERAGE RATING
MC-3		2.5
MC-5	120V/1/60HZ	5.0
MC-10		10.0
MC-15		12.0
MC5-230	230V/1/60HZ	5.0

MSC-4 VARIABLE SPEED CONTROL



- One variable speed output (12.5 FLA).
- Adjustable high/low settings.
- ON/OFF switch.
- May also be used as a light dimmer to power up to five, 250 Watt brooder lamps.
- 115 or 230V AC operation.
- Overload protection fuse (15 Amp 250V AC).
- Rugged enclosure (corrosion and water resistant and fire retardant).

AUTOMATIC VARIABLE SPEED CONTROL

MTC-4C MODULATING TEMPERATURE CONTROL



- The control will automatically vary the speed of the fan to hold the set temperature.
- One variable output (10 FLA).
- Two control knobs, one for set temperature, one for adjusting the minimum speed.
- Continues to run at minimum speed or change the internal shunt to have the fan turn off at minimum speed setting.
- 2°F off set-back for auto shut off.
- 6°F temperature differential.
- One foot temperature probe.
- 115 or 230V AC operation.
- Adjustable 40 - 90°F temperature set point.
- Overload protection fuse (15A, 250V AC).

INDUSTRIAL CEILING FAN CONTROLS



MC CEILING FAN SPEED CONTROLS

- MC controls are available in 4 models: MC-3 (3 amp), MC-5 (5 amp), MC-10 (10 amp) and MC-15 (12 amp).
- MC15 can operate up to 12 fans on a single control.
- Infinite speed adjustment.
- Minimum speed adjustment screw.
- All controls are designed to fit a standard electrical box.
- Mount in a dry location such as the control room.

PART #	MODEL	MAX # OF FANS PER CONTROL	VARIABLE SPEED OPERATION	POWER SUPPLY	AMPERAGE RATING	SHIPPING WEIGHT
CN5041	MC-3	2	MANUAL	120V/1/60HZ	2.5	0.25 lbs
CN5061	MC-5	4	MANUAL	120V/1/60HZ	5	0.25 lbs
CN5101	MC-10	8	MANUAL	120V/1/60HZ	10	0.77 lbs
CN5151	MC-15	12	MANUAL	120V/1/60HZ	12	0.77 lbs

FRMC5 CEILING FAN CONTROL



- 5 amp rating for use with the Forward/Reverse Industrial Ceiling Fan models.
- Up to 4 fans can operate on a single control.
- A forward and reverse slide switch is provided to change the direction of the fan from updraft to downdraft.
- Infinite speed adjustment.
- Minimum speed adjustment.
- All controls are designed to fit a standard electrical box.
- Mount in a dry location such as the control room.

PART #	MODEL	MAX # OF FANS/CONTROL	VARIABLE SPEED OPERATION	POWER SUPPLY	AMPERAGE RATING	SHIPPING WEIGHT
CNFRMC5	FRMC5	4	MANUAL C/W FORWARD/REVERSE SWITCH	120V/1/60HZ	5	0.35 lbs



CQ004 - QUIET SPEED CONTROL

- Preferred control for areas where quiet operation is required (ie. churches).
- Control can operate one fan.
- Speeds - Off/High/Medium/Low.
- Control is designed to fit a standard wall switch box.
- Mount in a dry location such as the control room.

PART #	MODEL	MAX # OF FANS/CONTROL	VARIABLE SPEED OPERATION	POWER SUPPLY	AMPERAGE RATING	SHIPPING WEIGHT
CQ004	CQ004	1	OFF / HIGH / MEDIUM / LOW	120V/1/60HZ	1.25	0.25 lbs

VFD - B SERIES

Variable Speed AC Motor Drives

Variable Frequency Drives (VFD's) can cut energy use dramatically when needs are less than full motor capacity.



REQUIRES A VFD
COMPATIBLE
AC MOTOR

FEATURES

- Volt/Hertz, Sensorless vector & Closed loop vector control
 - All VFD-B drives have/are:
 - Nema1 rated enclosures
 - Constant Torque rated
 - UL, cUL & CE approved
 - Programmable (0 ~ 2000Hz) for high speed applications.
 - The output current is adjustable up to 120% of the drive's nominal capacity.
 - All "240/1/60" models also accept three phase input.
 - Inputs: 11 digital (4 dedicated & 7 programmable) & 3 analog.
 - Outputs: 4 digital, 1 analog and 1 digital frequency output.
 - RS-485 communication port, standard protocol Modbus RTU & ASCII.
 - B series drives have built-in dynamic braking transistors up to 15HP.
 - 230 1 Phase (up to 3 HP); 240V 3 Phase (up to 50 HP); 480V 3 Phase (up to 100 HP); 575V 3 Phase (up to 100 HP).
- Please see accompanying price pages for more information.



REQUIRES A VFD
COMPATIBLE
AC MOTOR

VFD - LENZE SERIES

Variable Frequency Multi-Function Micro Drive

Flexible, simple, economical.

FEATURES

The SMVector is a highly competitive AC drive. Its performance, simplicity and flexibility make it an attractive solution for a broad range of applications including: Food processing machinery, Packaging machinery, Material handling/conveying systems and HVAC systems.

The SMVector is the right choice when you need it all – performance, power, packaging (NEMA Type 1 (IP31) Enclosure) and intuitive programming.

Superior Performance

- Modes of Operation:
 - V/Hz and Enhanced V/Hz(Constant and Variable)
 - Vector Speed or Torque Control
- Dynamic Torque Response
- Sophisticated Auto-tuning (Motor Calibration)
- Impressive Low Speed Operation
- Sequencer with 16 Programmable Segments

Flexible Power Ranges: 120/230V 1Ø (up to 1.5 Hp), 200/230V 1/3Ø (up to 3 Hp), 200/230V 3Ø (up to 20 Hp), 400/480 and 575V 3Ø (up to 60 Hp)

Simplicity - Intuitive User Interface - Electronic Memory Module (EPM)



EL1/3-25A



DS1/3-30A



KG1-2P1PH

DISCONNECT SWITCHES

FEATURES

- Can be used as Manual Motor Control
- Lockout Capable

MODEL	DESCRIPTION	AMP	POLES	HP RATING			
				120V AC	240V AC	480V AC	600V AC
EL1/3-25A	Single or three phase moisture resistant - IP65	25	3	3	7.5	15	20
DS1/3-30A	Single or Three PH Disconnect NEMA 3R (30303D)	30	3	3	7.5	15	20
KG1-2P1PH	Single phase only! Non-reversing, toggle operation Nema 1 (2510KG1)	30	2	2	2	--	--

Controls / Operators



MULTI PRODUCTS



BELIMO ACTUATORS

MANUFACTURER	MODEL	DESCRIPTION	MAX. DAMPER SQ. FT.		VOLTAGE
			WITH SEALS	NO SEALS	
CHAIN OPERATOR	CHAINOP	MANUAL OPEN/MANUAL CLOSE	N.A.	N.A.	N.A.
LOCKING QUADRANT	2V100	MANUAL OPEN / MANUAL CLOSE	N.A.	N.A.	N.A.
MULTI PRODUCTS	2W100-115/230	POWER OPEN SPRING RETURN	3.0	6	115/230V AC
	2W104	POWER OPEN SPRING RETURN	3.0	6	24V AC
BELIMO	LF24	POWER OPEN SPRING RETURN	4.0	8	24V AC/DC
	LF24-S	POWER OPEN SPRING RETURN C/W AUX. SWITCH	4.0	8	24V AC/DC
	LF24-SR	MODULATING POWER OPEN SPRING CLOSE	4.0	8	24V AC/DC
	LF120	POWER OPEN SPRING RETURN	4.0	8	120V AC
	LF120-S	POWER OPEN SPRING RETURN C/W AUX. SWITCH	4.0	8	120V AC
	LF230	POWER OPEN SPRING RETURN	4.0	8	230V AC
	LF230-S	POWER OPEN SPRING RETURN C/W AUX. SWITCH	4.0	8	230V AC
	NFB24-SR	MODULATING POWER OPEN SPRING CLOSE	7.5	15	24V AC/DC
	NFBUP	POWER OPEN SPRING RETURN	7.5	15	24/120/230V AC/DC
	NFBUP-S	POWER OPEN SPRING RETURN C/W AUX. SWITCH	7.5	15	24/120/230V AC/DC
	AF24-SR	MODULATING POWER OPEN SPRING CLOSE	17.5	35	24V AC/DC
	AFBUP	POWER OPEN SPRING RETURN	17.5	35	24/120/230V AC/DC
	AFBUP-S	POWER OPEN SPRING RETURN C/W AUX. SWITCH	17.5	35	24/120/230V AC/DC



EXPRESS
build program

Canarm recognizes that there are instances where an item has been overlooked by your customer. Others may be faced with emergency situations where the replacement of a product is required immediately. When your customers have situations like this, then look no further than Canarm and our Express Build Program for Delhi Blowers and LFI Axial Fans.

Canarm is pleased to announce that, effective immediately, we are initiating our new Express Build Program to accommodate this need.



How “Express Build” Works

Canarm stocks many Class A items for quick shipment. Class A items are not subject to Express Build premiums unless they are being altered or we are adding motor and drives.

For CLASS B and CLASS C we offer the following “Express Build” Program:

2-3 Day Shipment

We aim to ship in 2 days and you do not pay if more than 3 days 50% Premium over the regular price of the product. (Minimum charge of \$150)

5-7 Day Shipment

We aim to ship in 5 days and you do not pay if more than 7 days 25% premium over the regular price of the product. (Minimum charge of \$100)

For CLASS D we offer the following “Express Build” Program:

10-12 Day Shipment

We aim to ship in 10 days and you do not pay if more than 12 days 50% premium over the regular price of the product. (Minimum \$150.00)



Terms & Conditions for Express Build

- Our suppliers may not on every occasion be able to provide expedited service therefore the Express Build program is only available “with our approval”. Canarm production staff must confirm that we can meet your required shipping date before we accept and confirm the order.
- Orders will not be entered without a valid written purchase order and a notation that the Express Build surcharge is authorized by you.
- The Express Build charge is a percentage of the value of the entire order including accessories.
- The Express Build Charge will appear on your invoice as an “Order Misc Charge” and will be subject to applicable taxes.
- All Express Build orders are **“NON-CANCELLABLE”**.
- “Days” are “working days” and start the day after the acceptance and entry of the order.
- The order will ship by end of day on the 3rd, 7th or 12th day (or before) as indicated.
- If Canarm does not ship by the date agreed to then you do not pay the Express Build charge.
- Circumstances outside our control may cause an order to not ship on time, in these cases Canarm will NOT be responsible for premium (ie Air, Expedited) freight costs, prepayment of shipping charges, on-site equipment rental, installation of the product or any other charges or penalties should product not ship on the assigned date.
- The premium does not apply to in stock product unless the customer is looking for express installation of motors and drives or other accessories.
- The Express Build premium would be in addition to regular motor/drive install costs.

Program details and charges are subject to change without notice.

CLASS	LEAD TIME	PRODUCTS
A	Stock - 1 Week	G Series BD (excluding G15 x 1 3/16" - Class D)
		G Series DD
		200/9200 Series (excluding Twin units - Class D)
		300 Series
		400 Series (excluding 420, 422, 425 - Class C)
		D500 Series
		600 Series (excluding 620, 622, 625 - Class C)
		700/SIS Series
		BI Series (excluding AW/Aluminum Wheel - Class D)
		900 Series - Select models - Class A List
		Galvanized Motor Platforms
		HC/CW Coils
		Filters/Coils & Hoods
		ALX Series Spun Aluminum Exhausters
		XFS Series Exhaust Fans
		IDB Inline Duct Blowers
		BPT Series Bathroom Exhaust Fans
		SD Fans - 8" to 20"
		AX Fans - 8" to 20"
		SD Fans XPF
		AX Fans XPF
		SD Fans - 24" to 36"
		AX Fans - 24" to 36"
		P Fans - 24" to 36"
P Fans - 8" to 20"		
P Fans XPF		
U Fans (U16-1, U18-1, U16-4, U18-4)		
3000 Series Shutters		
DFRC Series Inline Duct Fans		
3000 Series Shutters		
B	1 - 2 Weeks	KE Direct Drive Pressure Blower
		PW Direct Drive Pressure Blower
		HRE Series
		IDB Series Inline Duct Blowers
		IDL Series Low Profile Inline Duct Blowers
		SIG Series Side Intake Filtered Fresh Air Supply Units
		Motors and Drives Mounted on Class A Products
		Motor Platforms - Painted
Non Stock "G" Series Delhi Blowers		
C	2 - 3 Weeks	900 Series - Select models - Non Class A
		XBL Series Axial Fans - 24" to 48"
		XB Axial Fans - 12" to 48"
		HV Axial Fans - 12" to 48"
		HVA Axial Fans - 12" to 48"
		ADD Axial Fans - 12" to 48"
		DDP Axial Fans - 12" to 48"
		DDS Axial Fans - 12" to 48"
		BTA Tube Axial Fans - 12" to 24"
		DDA Tube Axial Fans - 12" to 24"
		WTA Tube Axial Fans - 12" to 24"
		U Series HD Models
		Shutters/Dampers/Louvres
SBRM, SDUB, SB & SD - Spun Aluminum Series		
D	4 Weeks +	DSQ-D Series
		DSQ-B Series
		800 Series
		BI-AW Series
		BIDI Series
		DPL Series
		900 Series TWINS
		200 Series TWINS
		9200 Series TWINS
		9200VIB Series
		Axial Fans - 54" +
		Tube Axial Fans - 54" +
		Jet Fans
RTA Fans		
RB Fans		
RD Fans		

Blower lead times are for base units. Add 1 week for installation of motors & drives.
Contact Canarm for delivery information for other products not listed here.
Details to follow in future price lists.

Product Lead Times

Modified October 5, 2015

Lead Time classifications for all Delhi Blowers and LFI Axial Fans have now been added to our price lists.

This information, also shown in the the tables here, may be used as a general guideline.

NOTE:

Lead time dates are estimates and based on average turnaround times. Multiple unit orders may affect leads times. Please contact your factory rep. when placing large orders to confirm availability.

Accessories

Accessories - including hoods, roof curbs and hinges - are typically available within 1 week from date of order.



CLASS A LIST ITEMS

Modified October 5, 2015

G Series BD	
9005401	G7-5
9005405	G7
9005417	G9-7
9005421	G9
9005437	G10-8
9005441	G10
9005460	G12-9 x 1
9005464	G12 X 1
9005477	G15-10
9005478	G15
9005493	G18
9005494	G18 x 1-3/16
9005479	G15 x 1-3/16

G Series DD	
9002002	G9DD
9002003	G9-7DD
9002004	G10DD
9002005	G10-8DD

200 / 9200 Series	
9020101	207 STD
9020102	209 STD
9020103	210 STD
9020104	212 STD
9020105	215 STD
9020121	218 STD
9020106	207 INS
9020107	209 INS
9020108	210 INS
9020109	212 INS
9020110	215 INS
9020122	218 INS
9020033	9209
9020034	9210
9020035	9212
9020036	9215
9020037	9218
9020038	9220

IDB Series	
9020101-G	IDB07, 207 GALV. DUCT
9020102-G	IDB09, 209 GALV. DUCT
9020103-G	IDB10, 210 GALV. DUCT
9020104-G	IDB12, 212 GALV. DUCT
9020105-G	IDB15, 215 GALV. DUCT

300 Series	
9030101	307
9030102	309
9030103	310
9030104	312
9030105	315
9030106	318

400 Series	
9040101	407
9040102	409
9040103	410
9040104	412
9040105	415
9040106	418

D500 Series	
9050001	D503
9050002	D504
9050003	D530
9050004	D506
9050005	D507

600 Series	
9060301	610
9060302	612
9060303	615
9060304	618

700 / SIS Series	
9070101	709
9070102	710
9070103	712
9070104	715
9070105	718
9572001	SIS-9
9572002	SIS-10
9572003	SIS-12
9572004	SIS-15
9572005	SIS-18
9572006	SIS-20

BI Series	
9110501	BI-10
9110502	BI-12
9110503	BI-13
9110504	BI-15
9110505	BI-16
9110506	BI-18
9110507	BI-20
9110508	BI-22
9110509	BI-24
9110510	BI-27
9110511	BI-10RM
9110512	BI-12RM
9110513	BI-13RM
9110514	BI-15RM
9110515	BI-16RM
9110516	BI-18RM
9110517	BI-20RM
9110518	BI-22RM
9110519	BI-24RM
9110520	BI-27RM

900 Series	
9090020	907 X 3/4
9090030	909 X 3/4
9090025	909-7 x 3/4
9090040	910 X 1
9091119	910-8 X 1
9090050	912 X 1
9090045	912-9 X 1
9091121	915-10 X 1-3/16
9091093	915 x 1-3/16
9091114	918 X 1-7/16
9090066	920-18 X 1-7/16
9090003	920 X 1-7/16
9090005	922 X 1-7/16

900 Series Motor Platforms	
9200011-G	FITS 912 / 915 / 915-10 / 918-13
9200002-G	FITS 918
9200003-G	FITS 920 / 920-18 / 922
9200004-G	FITS 925
9200017-G	FITS 927 / 930
9200019-G	FITS 933 / 936

Filtered Intake Hoods	
9572106	H9220
9572104	H9215
9572102	H9210
9572101	H9209
9572105	H9218
9572103	H9212

HC / CW Coils	
9020010	HC-07
9020011	HC-09
9020012	HC-10
9020013	HC-12
9020014	HC-15
9020206	CW-07
9020207	CW-09
9020208	CW-10
9020209	CW-12
9020210	CW-15

Filters / Coils and Hoods	
9020001	F207 ALUM
9020002	F209 ALUM
9020003	F210 ALUM
9020004	F212 ALUM
9020005	F215 ALUM
9020006	F218 ALUM
9020052	F9220 INS

Platforms	
9200001	400/1-15HP
9200002	918/1-15HP
9200003	920,922 1-15HP
9200004	925/1-15HP
9200008	920,922 20-50HP
9200009	925/20-50HP
9200011	912/915 1-15HP

Spun Aluminum Series	
ALX105-UD013V	10.5" UPBLAST, DD, VAR SPD
ALX120-UD033V	12.25" UPBLAST, DD, VAR SPD
ALX135-UD075V	13.5" UPBLAST, DD, VAR SPD
ALX150-UD075S	15" UPBLAST, DD
ALX165-UD150S	16.5" UPBLAST, DD
ALX180-UD075S	18.25" UPBLAST, DD
ALX135-UB	13.5" UPBLAST, BELT DRIVE, LESS MTR/DRIVES
ALX150-UB	15" UPBLAST, BELT DRIVE, LESS MTR/DRIVES
ALX165-UB	16.5" UPBLAST, BELT DRIVE, LESS MTR/DRIVES
ALX180-UB	18.25" UPBLAST, BELT DRIVE, LESS MTR/DRIVES
ALX210-UB	21" UPBLAST, BELT DRIVE, LESS MTR/DRIVES
ALX245-UB	24.5" UPBLAST, BELT DRIVE, LESS MTR/DRIVES
ALX135-DB	13.5" DOWNBLAST, BELT DRIVE LESS MTR/DRIVES.
ALX150-DB	15" DOWNBLAST, BELT DRIVE LESS MTR/DRIVES.
ALX165-DB	16.5" DOWNBLAST, BELT DRIVE LESS MTR/DRIVES.
ALX180-DB	18.25" DOWNBLAST, BELT DRIVE LESS MTR/DRIVES.
ALX210-DB	21" DOWNBLAST, BELT DRIVE LESS MTR/DRIVES.
ALX245-DB	24.5" DOWNBLAST, BELT DRIVE LESS MTR/DRIVES.
ALX105-DD013V	10.5" DOWNBLAST, DD,VAR SPD.
ALX120-DD033V	12.25" DOWNBLAST, DD,VAR SPD.
ALX135-DD075V	13.5" DOWNBLAST, DD,VAR SPD.
ALX150-DD075S	15" DOWNBLAST, DD
ALX165-DD150S	16.5" DOWNBLAST, DD

KE / PW Radial Blowers	
KE-11	10-7/8 RADIAL BLADE BLOWER 56FR
KE-12	12-1/2 RADIAL BLADE BLOWER 56FR
KE-14	13-1/2 RADIAL BLADE BLOWER 145T
KE-8	7-3/4 RADIAL BLADE BLOWER 56FR
KE-9	9 RADIAL BLADE BLOWER 56FR
PW-11	10-5/8 RADIAL BLADE BLOWER 56FR
PW-12	12-1/2 RADIAL BLADE BLOWER (182
PW-14	13-1/2 RADIAL BLADE BLOWER 184T
PW-8	7-3/4 RADIAL BLADE BLOWER 56FR
PW-9	9 RADIAL BLADE BLOWER 56FR

Subject to change without notice.

