

# GREEN SERIES 200DD-EC & 9200DD-EC

## Forward Curved Inline Series Duct 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 grey baked on powder coat finish.
- EC Motor offers true variable speed operation and up to 70% energy savings over PSC motors.

## PERFORMANCE SPECIFICATIONS

| MODEL      | MOTOR |                |         | TYPICAL MAXIMUM CFM @ SP |             |              |              |              |             |              |              |              |             |              |              |              |             |              |              |              |             |              |              |              |
|------------|-------|----------------|---------|--------------------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|
|            | HP    | Variable Speed | Max RPM | Speed                    | 1/4"        |              |              |              | 1/2"        |              |              |              | 3/4"        |              |              |              | 1"          |              |              |              | 1 1/4"      |              |              |              |
|            |       |                |         |                          | CFM         | BHP          | FEI          | FEPact (KW)  | CFM         | BHP          | FEI          | FEPact (KW)  | CFM         | BHP          | FEI          | FEPact (KW)  | CFM         | BHP          | FEI          | FEPact (KW)  | CFM         | BHP          | FEI          | FEPact (KW)  |
| 209DD050EC | 1/2   | Y*             | 1200    | High<br>Low              | 1800<br>700 | -<br>-       | -<br>-       | -<br>-       | 1550<br>600 | -<br>-       | -<br>-       | -<br>-       | 1200<br>600 | -<br>-       | -<br>-       | -<br>-       | 950<br>600  | -<br>-       | -<br>-       | -<br>-       | -<br>-      | -<br>-       | -<br>-       | -<br>-       |
| 209DD100EC | 1     | Y*             | 1200    | High<br>Low              | 2300<br>700 | 0.98<br>0.10 | 0.79<br>1.60 | 0.87<br>0.13 | 2100<br>600 | 0.92<br>0.13 | 0.89<br>1.53 | 0.82<br>0.15 | 1900<br>600 | 0.95<br>0.19 | 0.89<br>1.38 | 0.85<br>0.21 | 1500<br>600 | 0.80<br>0.26 | 0.94<br>1.25 | 0.72<br>0.27 | -<br>-      | -<br>-       | -<br>-       | -<br>-       |
| 210DD050EC | 1/2   | Y*             | 1100    | High<br>Low              | 2000<br>800 | -<br>-       | -<br>-       | -<br>-       | 1850<br>600 | -<br>-       | -<br>-       | -<br>-       | 1650<br>600 | -<br>-       | -<br>-       | -<br>-       | 1500<br>600 | -<br>-       | -<br>-       | -<br>-       | 950<br>600  | -<br>-       | -<br>-       | -<br>-       |
| 210DD100EC | 1     | Y*             | 1100    | High<br>Low              | 2639<br>800 | 1.00<br>0.08 | 0.82<br>1.99 | 0.89<br>0.11 | 2500<br>600 | 0.99<br>0.10 | 0.93<br>1.83 | 0.88<br>0.13 | 2325<br>600 | 0.93<br>0.16 | 1.07<br>1.56 | 0.83<br>0.18 | 1800<br>600 | 0.65<br>0.21 | 1.30<br>1.48 | 0.60<br>0.22 | 825<br>600  | 0.34<br>0.28 | 1.53<br>1.33 | 0.34<br>0.28 |
| 212DD050EC | 1/2   | Y*             | 1000    | High<br>Low              | 2600<br>900 | -<br>-       | -<br>-       | -<br>-       | 2100<br>600 | -<br>-       | -<br>-       | -<br>-       | 1800<br>600 | -<br>-       | -<br>-       | -<br>-       | 1550<br>600 | -<br>-       | -<br>-       | -<br>-       | 1200<br>600 | -<br>-       | -<br>-       | -<br>-       |
| 212DD100EC | 1     | Y*             | 1000    | High<br>Low              | 3400<br>900 | 0.98<br>0.08 | 0.98<br>2.10 | 0.87<br>0.11 | 3100<br>600 | 0.95<br>0.10 | 1.09<br>1.81 | 0.85<br>0.13 | 2750<br>600 | 0.89<br>0.16 | 1.20<br>1.55 | 0.80<br>0.18 | 2450<br>600 | 0.88<br>0.21 | 1.25<br>1.47 | 0.79<br>0.22 | 1200<br>600 | 0.45<br>0.28 | 1.41<br>1.32 | 0.43<br>0.28 |

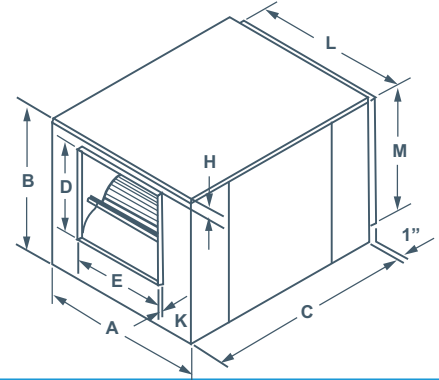
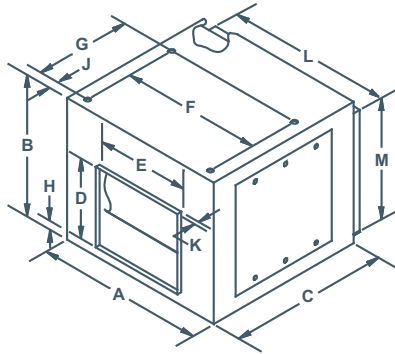
| MODEL       | MOTOR |                |         | TYPICAL MAXIMUM CFM @ SP |             |              |              |              |             |              |              |              |             |              |              |              |             |              |              |              |             |              |              |              |
|-------------|-------|----------------|---------|--------------------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|
|             | HP    | Variable Speed | Max RPM | Speed                    | 1/4"        |              |              |              | 1/2"        |              |              |              | 3/4"        |              |              |              | 1"          |              |              |              | 1 1/4"      |              |              |              |
|             |       |                |         |                          | CFM         | BHP          | FEI          | FEPact (KW)  | CFM         | BHP          | FEI          | FEPact (KW)  | CFM         | BHP          | FEI          | FEPact (KW)  | CFM         | BHP          | FEI          | FEPact (KW)  | CFM         | BHP          | FEI          | FEPact (KW)  |
| 9209DD050EC | 1/2   | Y*             | 1200    | High<br>Low              | 1800<br>700 | -<br>-       | -<br>-       | -<br>-       | 1550<br>600 | -<br>-       | -<br>-       | -<br>-       | 1200<br>600 | -<br>-       | -<br>-       | -<br>-       | 950<br>600  | -<br>-       | -<br>-       | -<br>-       | -<br>-      | -<br>-       | -<br>-       | -<br>-       |
| 9209DD100EC | 1     | Y*             | 1200    | High<br>Low              | 2300<br>700 | 0.98<br>0.10 | 0.79<br>1.60 | 0.87<br>0.13 | 2100<br>600 | 0.92<br>0.13 | 0.89<br>1.53 | 0.82<br>0.15 | 1900<br>600 | 0.95<br>0.19 | 0.89<br>1.38 | 0.85<br>0.21 | 1500<br>600 | 0.80<br>0.26 | 0.94<br>1.25 | 0.72<br>0.27 | -<br>-      | -<br>-       | -<br>-       | -<br>-       |
| 9210DD050EC | 1/2   | Y*             | 1100    | High<br>Low              | 2000<br>800 | -<br>-       | -<br>-       | -<br>-       | 1850<br>600 | -<br>-       | -<br>-       | -<br>-       | 1650<br>600 | -<br>-       | -<br>-       | -<br>-       | 1500<br>600 | -<br>-       | -<br>-       | -<br>-       | 950<br>600  | -<br>-       | -<br>-       | -<br>-       |
| 9210DD100EC | 1     | Y*             | 1100    | High<br>Low              | 2639<br>800 | 1.00<br>0.08 | 0.82<br>1.99 | 0.89<br>0.11 | 2500<br>600 | 0.99<br>0.10 | 0.93<br>1.83 | 0.88<br>0.13 | 2325<br>600 | 0.93<br>0.16 | 1.07<br>1.56 | 0.83<br>0.18 | 1800<br>600 | 0.65<br>0.21 | 1.30<br>1.48 | 0.60<br>0.22 | 825<br>600  | 0.34<br>0.28 | 1.53<br>1.33 | 0.34<br>0.28 |
| 9212DD050EC | 1/2   | Y*             | 1000    | High<br>Low              | 2600<br>900 | -<br>-       | -<br>-       | -<br>-       | 2100<br>600 | -<br>-       | -<br>-       | -<br>-       | 1800<br>600 | -<br>-       | -<br>-       | -<br>-       | 1550<br>600 | -<br>-       | -<br>-       | -<br>-       | 1200<br>600 | -<br>-       | -<br>-       | -<br>-       |
| 9212DD100EC | 1     | Y*             | 1000    | High<br>Low              | 3400<br>900 | 0.98<br>0.08 | 0.98<br>2.10 | 0.87<br>0.11 | 3100<br>600 | 0.95<br>0.10 | 1.09<br>1.81 | 0.85<br>0.13 | 2750<br>600 | 0.89<br>0.16 | 1.20<br>1.55 | 0.80<br>0.18 | 2450<br>600 | 0.88<br>0.21 | 1.25<br>1.47 | 0.79<br>0.22 | 1200<br>600 | 0.45<br>0.28 | 1.41<br>1.32 | 0.43<br>0.28 |

\* 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.

REVIEW FAN CURVES BEFORE ADJUSTING RPM TO ENSURE LOAD DOES NOT EXCEED MOTOR HP.

# GREEN SERIES 200DD-EC & 9200DD-EC



## DIMENSIONS

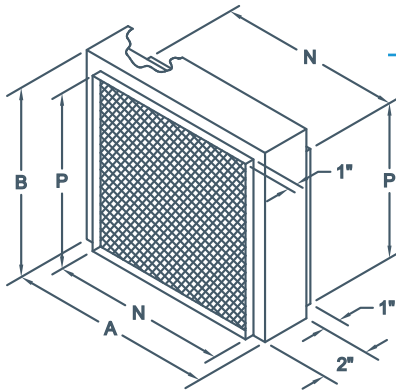
| MODEL  | A       | B       | C       | OUTLET   |           | F       | G       | H      | J      | K      | INLET   |         | SHAFT DIAMETER | WEIGHT (lbs) without motor |
|--------|---------|---------|---------|----------|-----------|---------|---------|--------|--------|--------|---------|---------|----------------|----------------------------|
|        |         |         |         | D        | E         |         |         |        |        |        | 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 1/4" | 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

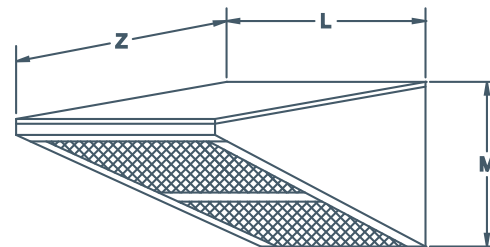
# FILTER SECTIONS & INTAKE HOODS

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" | 2        | 27                |