

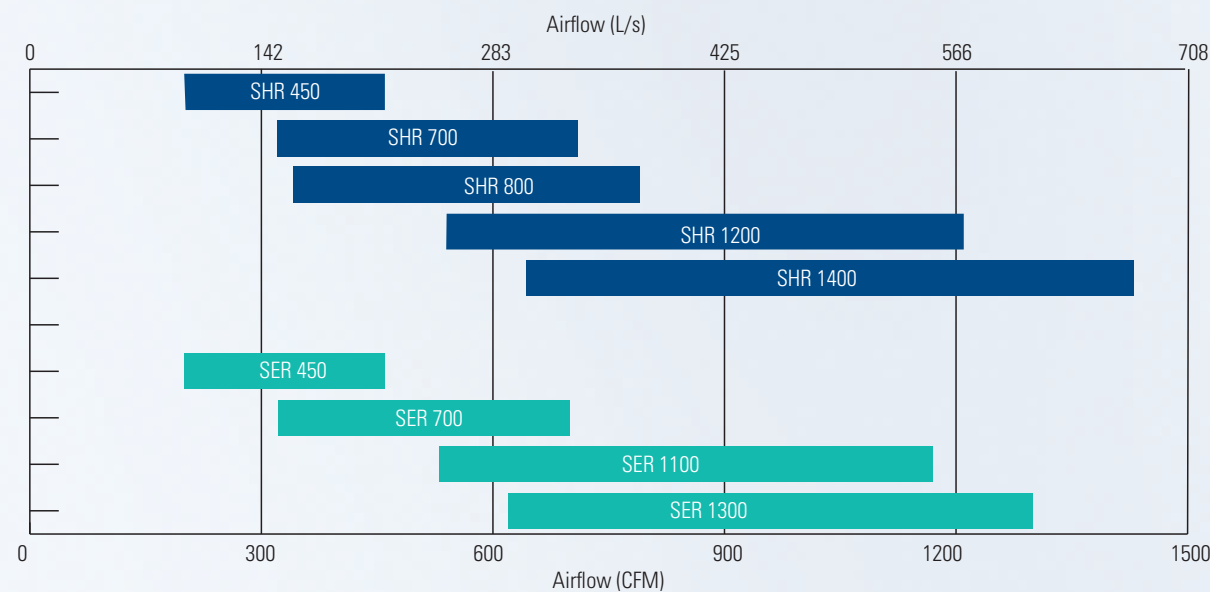
Light Commercial Ventilation Solutions

Heat / Energy Recovery Ventilators

Specification Data

| Models | | SHR 450 | SHR 700 | SHR 800 | SHR 1200 | SHR 1400 | SER 450 | SER 700 | SER 1100 | SER 1300 |
|------------------------|-----|---------|---------|---------|----------|----------|---------|---------|----------|----------|
| Airflow @ 0.4" | cfm | 462 | 717 | 785 | 1209 | 1430 | 465 | 700 | 1168 | 1300 |
| Voltage | V | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| Phase | ~ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Current | A | 3.92 | 5.92 | 5.3 | 11.67 | 10.6 | 4.17 | 5.92 | 11.67 | 10.8 |
| Power rated, per motor | W | 470 | 710 | 636 | 1400 | 1272 | 500 | 710 | 1400 | 1300 |
| Weight | kg | 66 | 84 | 90 | 109 | 107 | 60 | 77 | 95 | 94 |
| | lbs | 146 | 185 | 198 | 240 | 236 | 132 | 169 | 210 | 208 |

CFM Distribution



Distributed Locally by:



Customer Support:

Canada 800.565.3548
CANADAsupport@fantech.net

USA 800.747.1762
USsupport@fantech.net

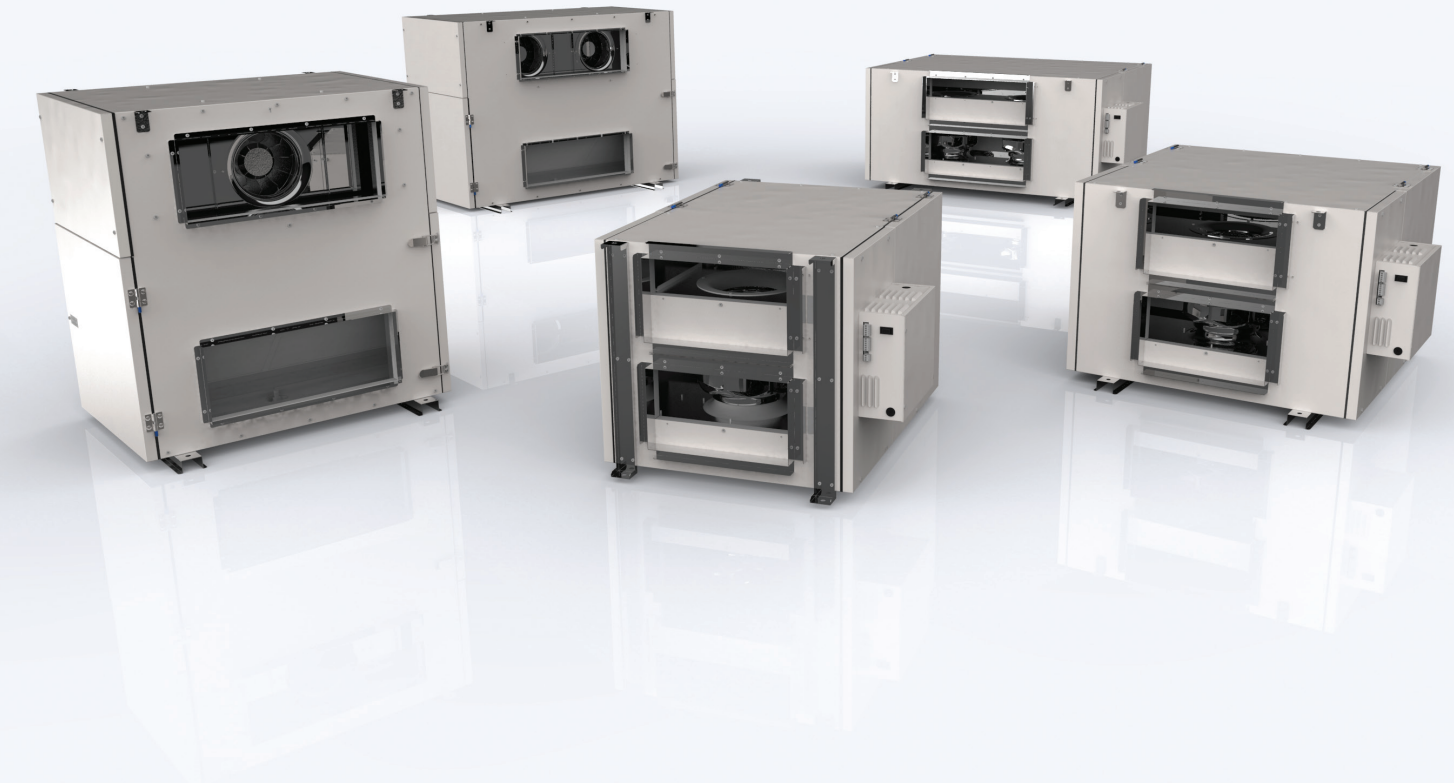


Send Orders:

Canada 877.747.8116
CANADAorders@fantech.net

USA 800.487.9915
USorders@fantech.net

Fantech reserves the right to modify, at any time and without notice, any or all of its products' features, designs, components and specifications to maintain their technological leadership position. The application rendering presented in this brochure is for visual presentation purposes only. Please, contact a building professional for technical guidance.



Light Commercial Ventilation Series

Fantech's Light Commercial Ventilator's system and components have been developed for quick and flexible installation, high energy savings and low maintenance in mind.

Our units come with proven durability and have undergone extensive testing, both in the laboratory and in the field for a long service life, which leads to the least amount of environmental impact over time.

The units can be used in various applications from swimming pools and small offices to larger commercial applications.

All of our units feature control systems that are enabled for plug-and-play for simple, stress-free installation and start-up.

Easy installation + Easy performance + Easy serviceability

=

The Easy Choice in Light Commercial Ventilation

SHR Series Heat Recovery Ventilator

High performance heat recovery ventilators with side connection and an aluminum heat exchanger core that transfers sensible energy between supply and exhaust air streams.

| | | | |
|---------|----------------|----------|-----------------|
| SHR 450 | 200 to 460 CFM | SHR 1200 | 540 to 1210 CFM |
| SHR 700 | 320 to 710 CFM | SHR 1400 | 640 to 1430 CFM |
| SHR 800 | 340 to 790 CFM | | |

SER Series Energy Recovery Ventilator

Extremely efficient energy recovery ventilators with side connection and an energy exchanger core that transfers the heat and moisture from the supply air to the exhaust air.

| | | | |
|---------|----------------|----------|-----------------|
| SER 450 | 200 to 460 CFM | SER 1100 | 530 to 1170 CFM |
| SER 700 | 320 to 700 CFM | SER 1300 | 620 to 1300 CFM |

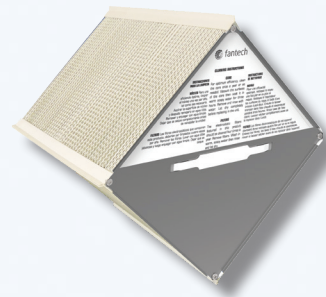
Heat Recovery Core

The aluminum fixed-plate, cross flow heat recovery exchanger is capable of transferring heat between airstream. The heat recovery cores are manufactured in our facility to assure the highest level of quality.



Energy Recovery Core

The washable polymer membrane uses selective transfer technology to allow heat and water vapor to permeate through, while blocking contaminant compounds. The transfer is driven by temperature and humidity differentials between the airstreams.



Key Product Features

1

HIGH PERFORMANCE MOTORS

Our high airflow with low power consumption motors provide one of the best CFM/Watt ratio available in the AC motor category.

2

EFFICIENT FANS

Backward inclined motorized impellers give more airflow and better efficiency.

3

ELECTRONIC CONTROL BOARD

Superior microprocessor technology efficiently controls operation of unit and is ready to connect to building automated systems.

4

REVERSIBLE DOOR PANELS

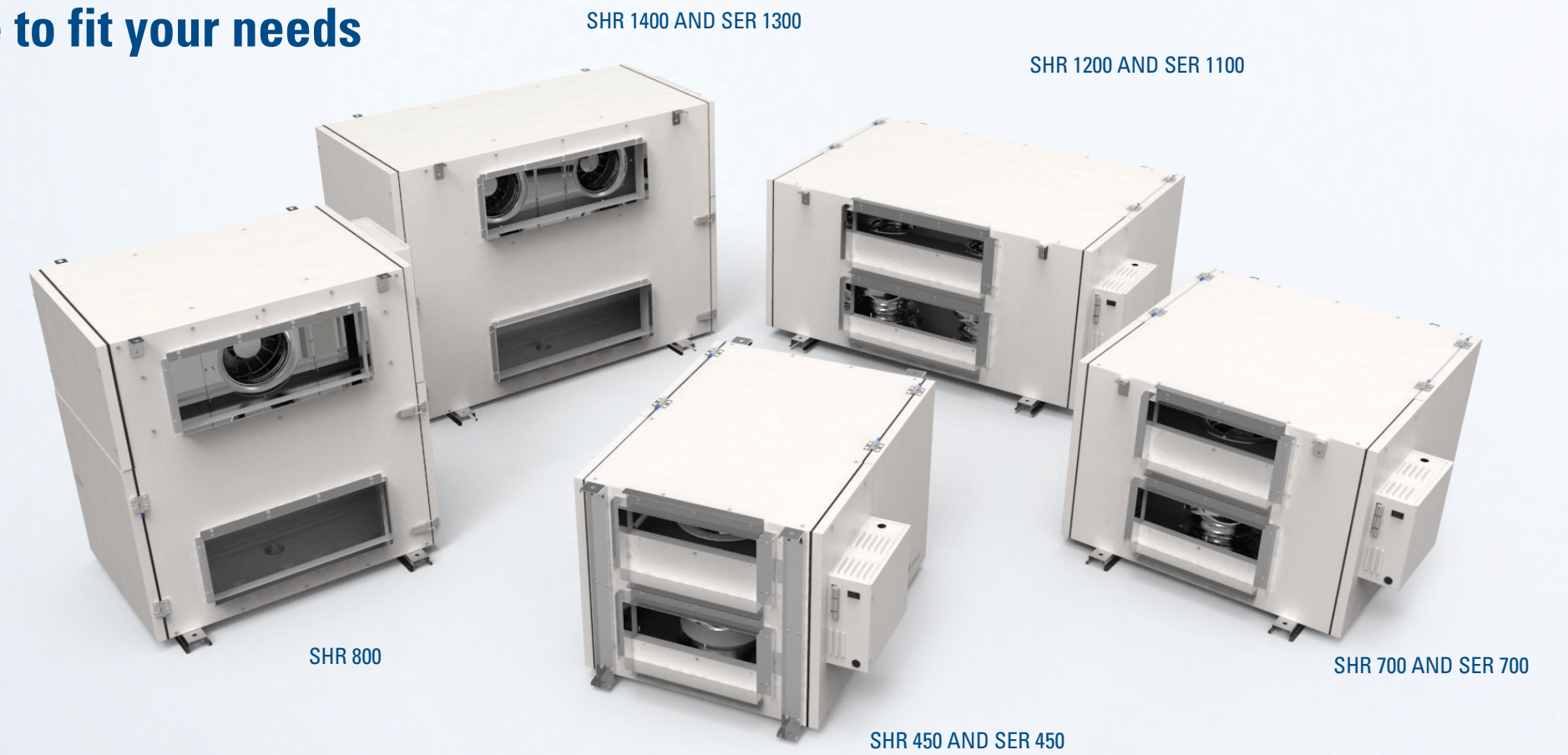
The in-the-field reversible door panels come standard. The access doors can be reversed to fit most configuration requirements.

5

EASE OF MAINTENANCE

The motors and cores are mounted on removable sliding bases for quick and easy serviceability.

Full line to fit your needs



Defrost Mechanisms

Our defrost mechanisms are designed to prevent the core from freezing and optimise the unit performance even in the coldest of climates. Two defrost mechanisms are available on the Fantech light commercial HRV's.

- Supply fan shut down defrost typically used in moderate climates: The supply fan's speed is intermittently turned off while the exhaust fan is set to run on high speed to prevent the core from freezing. This is a simple and robust frost prevention system.
- Recirculation defrost mostly used in colder climates or pool applications: With the optional Bypass Module installed, a mechanical damper closes the outdoor air inlet and opens a fifth duct connection to take warm air from the building and pull it through the core to prevent it from freezing. This is the most energy-efficient and aggressive frost prevention and is ideal for higher humidity indoor conditions or colder outdoor climates.

Pool Applications

Using a Fantech Heat Recovery Ventilator provides an economical, energy-saving solution for pool ventilation and dehumidification applications in climates where the air is dryer outside than inside. The Fantech unit is designed to reduce the occurrence of condensation in the indoor environment by first operating in the recirculation mode, moving air around the space, keeping windows dry and eliminating troublesome cold spots, then switching to air exchange mode as needed. Heat from the exhaust air is transferred to the incoming cold air raising the temperature and lowering the load on the HVAC system. (SHR 800 & SHR 1400 with BPM units only)

Accessories



Eco-Touch™
Wall Control



EDF 7
Electronic Dehumidistat



EDF 1/EDF1R
Electronic Control



MDEH
Dehumidistat



RTS 5
Electronic Timer



RTS 2
Electronic Timer



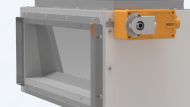
MGE
Exhaust Grille



MGS
Supply Grille



IR
Iris Damper



BPM
Bypass Module



EFD
Shut off Damper



CO2RT-R
CO₂ Sensor

Accessories (sold separately)