

# 650 FD/650 DD

## HEAT RECOVERY VENTILATOR



### ENGINEERING DATA:

#### CORES

Modular (6 section) patented aluminum heat recovery cores arranged for high efficiency counter-flow ventilation.

#### MOTORS

Two PSC, 3 speed double shafted, 120 VAC, 3.8 Amps each (7.6 total on high speed). HP - 1/4, 1625 RPM. Watts - total on High Speed - 912. MCA: 9.5 MOP: 15

#### FILTERS

Washable air filters in exhaust and supply air streams.

#### BLOWERS

Centrifugal type rated at 950 CFM (448 L/s) free air delivery. Each air stream has one double shafted motor driving two centrifugal blowers. Slide easily in and out.

#### CONNECTION DUCT SIZES

Three - 20 in. x 8 in. (508 mm x 200 mm). Stale air intake - 26 in. x 8 in. (660 mm x 200 mm). Model 650DD - additional 20 in. X 8 in. defrost port.

#### MOUNTING

Unit to be set on support brackets hung by threaded rod-type apparatus (brackets and rods not included).

#### CASE

20 gauge prepainted galvanized steel (G60) for superior corrosion resistance. Insulated with foil faced insulation where required to prevent exterior condensation. Drain connections are two - 1/2 in. (12 mm) O.D. Front and back access doors.

#### ELECTRONICS

Integrated microprocessor circuit board. Built-in interlock contacts.

#### DEFROST CONTROLS

650 FD - Interrupts supply air while exhaust air defrosts core.

650 DD - Supply bypass routes indoor air to defrost core.

#### CONTROL OPTIONS

##### 99-BCO2 LIFEBREATH VENTILATION CONTROL

- 2 speed fan setting (Low/High)
- Humidity control through adjustable Dehumidistat
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection; 20 gauge wire (minimum)

##### 99-500 3 SPEED CONTROL

- 3 Speed Fan setting (Low/Medium/High)
- 4 wire connection; 20 gauge wire (minimum)

##### 99-DHO1 LIFEBREATH DEHUMIDISTAT

- Humidity control through adjustable Dehumidistat
- 3 wire connection; 20 gauge wire (minimum)

#### TIMERS

##### 99-DETO1 LIFEBREATH 20/40/60 MINUTE TIMER

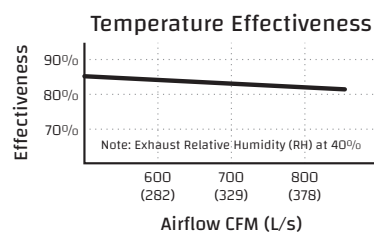
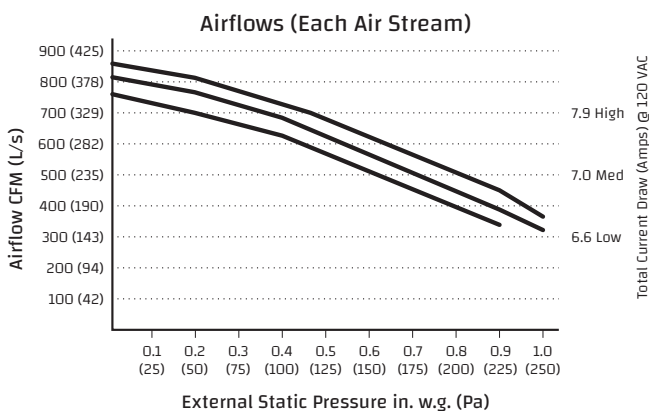
- Initiates high speed Ventilation for 20, 40 or 60 minutes
- 3 wire connection; 20 gauge wire (minimum)

##### 99-DETO2 LIFEBREATH WIRELESS 20/40/60 MINUTE TIMER

- Initiates High speed Ventilation for 20, 40 or 60 minutes. Wirelessly connects to main control for ease of installation. 40' approximate range.

##### 99-RX02 LIFEBREATH WIRELESS REPEATER

- Used to extend range of 99-DETO2 Wireless Timers when timers are out of range
- Plugs into 120V power outlet and wirelessly connects to main control and 99-DETO2



**WEIGHT:**  
270 LBS (120 KG)

**SHIPPING WEIGHT:**  
350 LBS (156 KG)

Note: Service clearance is 30 in. (760 mm) from front access doors. All specifications are subject to change without notice.

AHRI 1060 Certified Core:  
Contains six 68-222



**WARRANTY**

Units carry a 15 year warranty on HRV core and 2 year replacement parts warranty.

