

TRV

TOTAL RECOVERY VENTILATOR

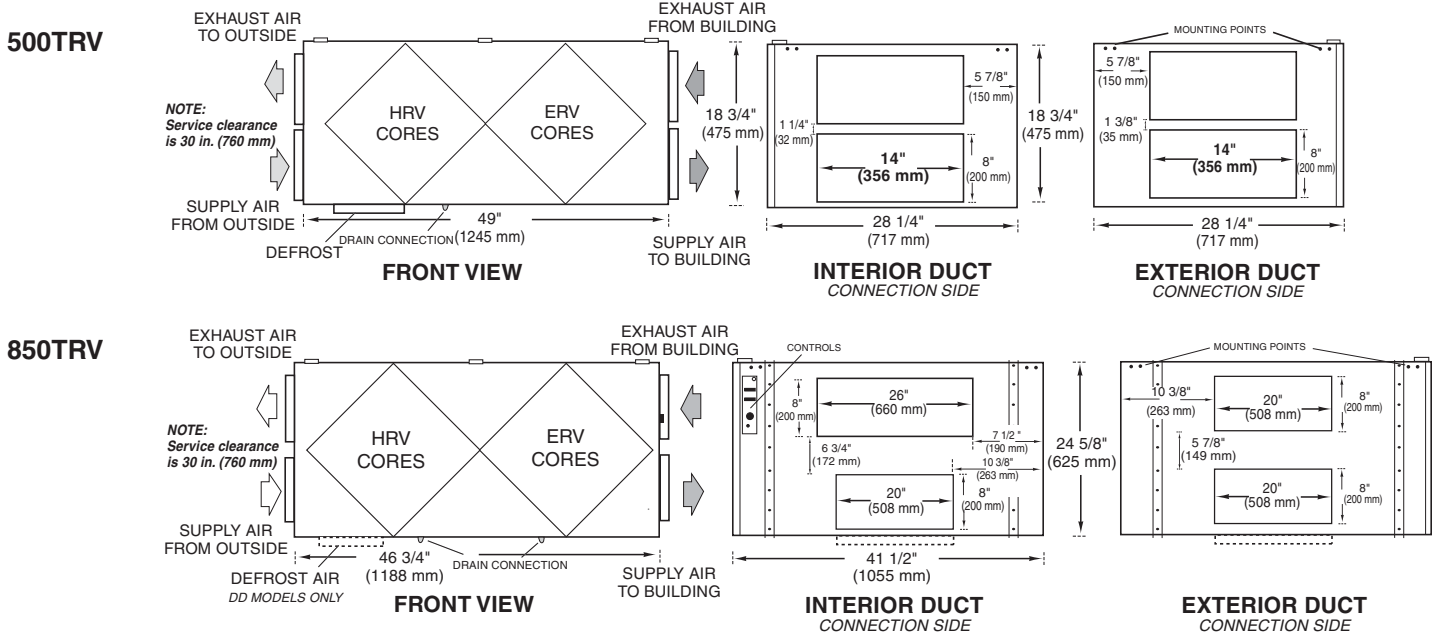
"First Manufacturer with practical Dual Core Technology"

The dual core technology of a Total Recovery Ventilator (TRV) combines the benefits of an HRV and ERV in one single unit. This application is ideal for climates such as the Mid-Atlantic and the East Coast US, where winters are cold and summers are humid (typically 75°F and 65% R.H.).

The two core unit provides the compounded benefits of heat recovery and moisture transfer year round. Enjoy the ultimate indoor air quality, energy efficiency and comfort with your Lifebreath TRV.

Features and Benefits

- *ASHRAE 62.1 and 62.2 Ventilation Standards*
- *Sensible and Latent transfer for all 12 months*
- *Automatic damper defrost*
- *Intermittent operation*
- *Commercial Application: offices buildings, restaurants, apartments, schools*





500TRV

CORES

Modular (2 section) patented aluminum heat recovery cores arranged for high efficiency crossflow ventilation with 2 ERV cores for latent transfer.

MOTORS

Two PSC, 5 speed double shafted, 120 VAC, 3.15 Amps each (6.3 total on high speed). HP - 1/10, 1625 RPM. Watts - total on High Speed - 610

FILTERS

Washable air filters in exhaust and supply air streams.

BLOWERS

Centrifugal type rated at 530 cfm (250 L/s) free air delivery. Each air stream has two centrifugal blowers driven by two PSC motors.

CONNECTION DUCT SIZES

Four - 14" x 8" (356 mm x 200 mm).

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 duct liner where required to prevent exterior condensation. Drain connection, One - 1/2" (12 mm) O.D.

CONTROLS

ControlAir-15 - Standby/ON mode, 20 ON/ 40 OFF mode, Recirculation mode, (each mode has 5 speeds). Control pad can be removed from HRV and remotely mounted.

DEFROST

Supply bypass damper routes indoor air to defrost cores.

WEIGHT 178 lbs. (81 kg) **SHIPPING WEIGHT** 203 lbs. (92 kg)

850TRV

CORES

Modular (3 section) patented aluminum heat recovery cores arranged for high efficiency crossflow ventilation with 3 ERV cores for latent transfer.

MOTORS

Two PSC, 3 speed double shafted, 120 VAC, 3.95 Amps each (7.9 total on high speed). HP - 1/4, 1625 RPM. Watts - total on High Speed - 848.

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.

CONNECTION DUCT SIZES

Three - 20" x 8" (508 mm x 200 mm). Stale air intake - 26" x 8" (660 mm x 200 mm). Model 850DD - additional 20" X 8" defrost port

MOUNTING

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

CASE

20 gauge prepainted galvanized steel (G60) for superior corrosion resistance. Insulated with foil faced insulation where required to prevent exterior condensation. Drain connections, Two - 1/2" (12 mm) O.D.

CONTROLS & FUNCTION

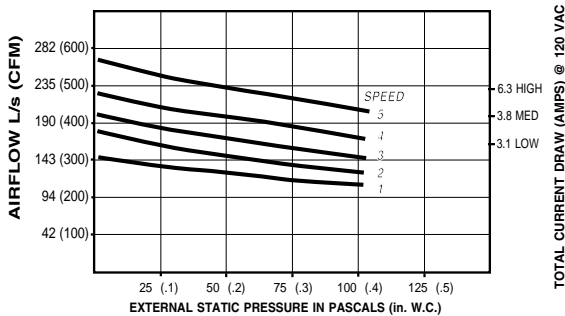
Integrated microprocessor circuit board. Built-in interlock contacts. Automatic Self Test. Optional remote speed control.

DEFROST

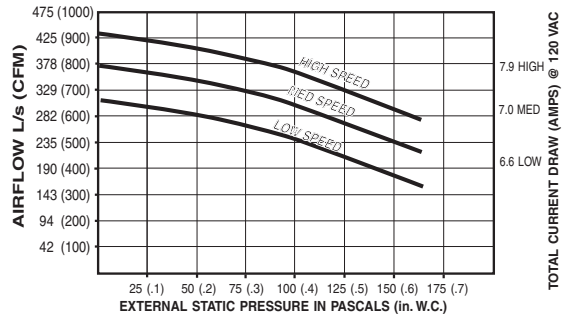
Supply bypass routes indoor air to defrost core.

WEIGHT 255 lbs. (116 kg) **SHIPPING WEIGHT** 280 lbs. (127 kg)

AIRFLOWS (Each Air Stream)



AIRFLOWS (Each Air Stream)



OPTIONS

- 99-104 **Digital Electronic Timer** - 20/40/60 min. (3 wire)
- 99-109 **Air Sentry™** Air Quality Monitor designed to accept remotely mounted Control Pad
- 99-250 **Ventilation Dehumidistat** - Dehumidistat designed to accept remotely mounted Control Pad.
- 99-350 **Lifestyles Ventilation Control**

Date: _____
 Tag: _____ Qty: _____
 Project: _____
 Engineer: _____

OPTIONS

- 99-104 **Digital Electronic Timer** - 20/40/60 min. (3 wire)
- 99-116 **Dehumidistat Ventilation Control (DVC)**
- 99-130 **Remote Wall Mount Dehumidistat Control** - 24 VAC only
- 99-500 **3 Speed Control**

WARRANTY

Units carry a LIFETIME warranty on the heat recovery cores, a five year warranty on the ERV core and a 5 year replacement parts warranty. All units conform to CSA and UL standards.



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