

RA1000 Heat Exchanger

Application

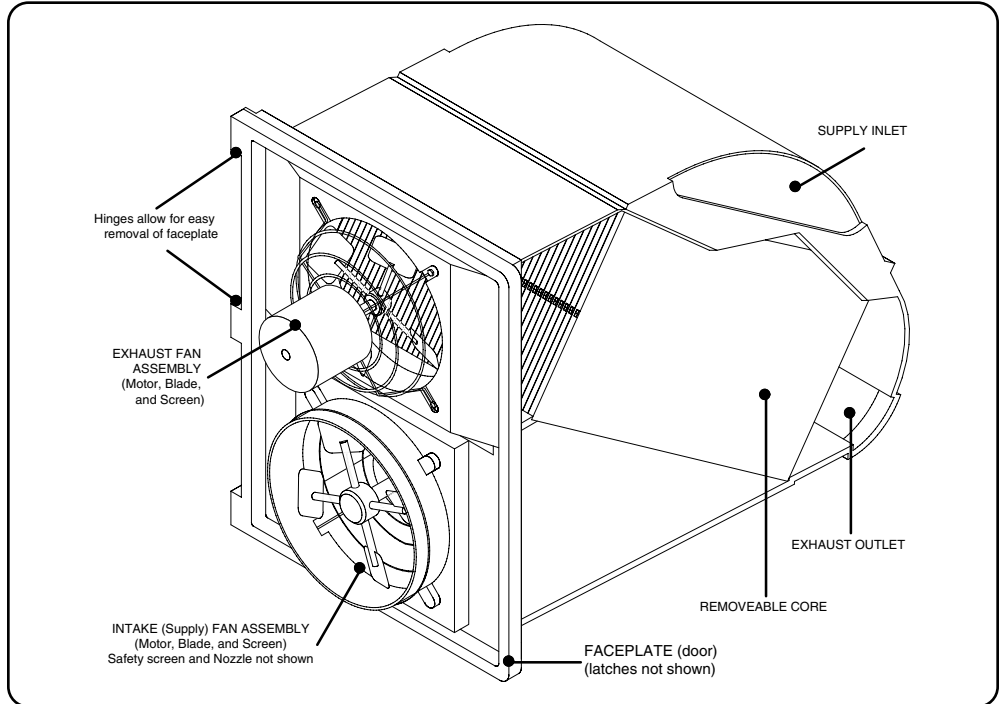
Heat recovery is used as a source of both heat and ventilation. It is especially applicable to the low winter ventilation requirements of livestock houses. Because heat is recovered and returned to the animal space, little or no additional supplemental heat is required, and moisture control is greatly improved.

Specific sizing depends on detailed engineering calculations, such as those prepared with Del-Air's free ventilation planning service. Contact your

Operation

The unit fits quickly into a wall opening. Simply plug the 120VAC cord into a live wall outlet. An automatic defrost control will cycle hourly to control frost buildup. Moisture is condensed and drains outside. Periodic removal of this ice pile may be necessary.

An automatic wash nozzle is supplied to ensure top performance at all times. Flush the core daily. An optional timer/solenoid (#750300 & 2409) will simplify this task.



Motor Data

Make FASCO

Voltage 120

Freq. 60 Hz

Model 7124-0431

Amps 1.8

Capacitor 20 MFD

Type PSC

RPM 1650

Insulation Class B

Fan Performance Data @ -0.05 in. wg.

Passage	CFM	Watts
Supply	645	225
Exhaust	950	175

Blade Description 12" diameter, 4 blades

Heat Exchanger Performance Data Based on 70 °F Indoor Temp.

Outdoor Temp. (°F)	Heat Recovered (Btu/hr)	Efficiency % (HRR)
-30	36000	34
-15	30000	34
Maximums	40000	36

Rough Opening

Width 22 in

Height 29.5 in

Shipping Info

Package of 1

Length 68.5 in

Width 22.25 in

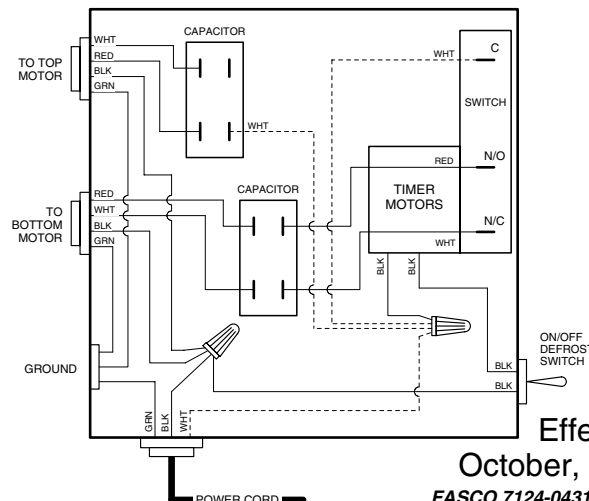
Height 33.5 in

Volume 29.5 ft³

Shipping Weight (152.5 lb
69.3) kg

- Box Pallet
 Shrink Wrap Other...

Wiring Diagram



Effective
October, 1998
FASCO 7124-0431 motors
20 MFD Capacitors

Special Instructions

Air flows are balanced to ensure against positive Barn Static Pressure. Most barns in winter will operate between -0.05 and -0.08 in wg. The airflow imbalance of this unit will be supplemented through leaks and other ventilation devices.