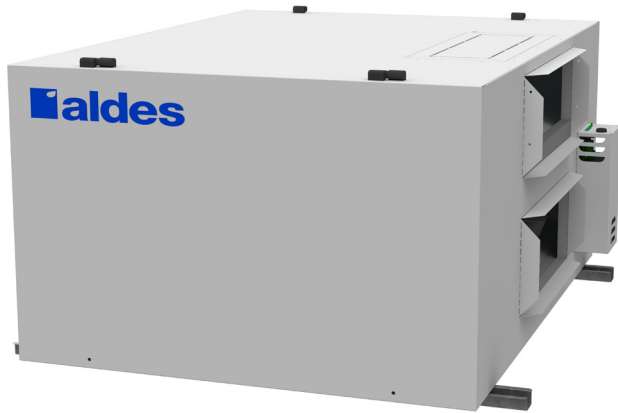




LIGHT COMMERCIAL  
**H1100-Fi & H1100-Ri**  
Heat Recovery Ventilator  
200-1425 CFM Range

PRODUCT  
SPECIFICATIONS  
& TECHNICAL  
DATA



#### H1100-Fi & H1100-Ri

The H1100 heat recovery ventilator provides high-efficiency heat recovery. The unit uses a robust, water-washable polypropylene core that can withstand a wide range of environmental conditions. The H1100 produces approximately **1340 CFM** at 0.20 in.w.g (ESP). It is powerful enough for restaurants, offices, and other small businesses.

The H1100 is ideal for cold-weather applications. The H1100-Fi shuts down the fan for the outdoor air supply during defrost cycles, while the H1100-Ri uses a fifth port with a motorized damper to defrost the core with recirculated warm air from inside the building.

#### FEATURES

- Plate-type polypropylene cores
- Quiet operation
- Multiple filter options
- Efficient and economical operation
- Indoor application

#### CASING

Material: Painted galvanized steel  
Insulation: 1" R4 rated  
Drain Connection: Ø 1/2" (Ø 13 mm)  
Duct Connections: 20" x 8" (508 mm x 203 mm)  
Width: 36-1/4" (921 mm)  
Height: 23-7/8" (606 mm)  
Depth: 47-1/4" (1200 mm)  
Unit Weight: 206 lbs (93 kg); 216 lbs (98 kg) with recirculation  
Shipping Weight: 261 lbs (118 kg)  
271 lbs (193 kg) with recirculation

#### PLATE EXCHANGER

Standard: Polypropylene (sensible heat transfer)  
Quantity: 3  
Pitch: 0.16" (4 mm)  
Dimensions: 12" x 12" x 15" (305 mm x 305 mm x 381 mm)



#### MOUNTING

Supplied with base rails. Support rod by others.

#### BLOWERS

Quantity: 4  
Type: Backward-inclined motorized impeller, direct-drive PSC, variable speed, external rotor

#### FILTERS

Number: 6  
Type: Aluminum (P/N: 683951)  
Optional: MERV 8 (P/N: 683952), Carbon (P/N: 683953), or High Efficiency/MERV13 Equivalent (P/N: 683954)

Additional Air Pressure Drop with Optional Filters				
Filter Type	Airflow CFM (m³/h)			
	500 (850)	800 (1360)	1100 (1870)	1400 (2380)
MERV 8	0.04	0.08	0.15	0.22
Carbon	0.04	0.08	0.15	0.22
High Efficiency	0.22	0.35	0.48	0.63

#### ELECTRICAL REQUIREMENTS

120 VAC, 60 Hz, 10.5 A

#### FROST CONTROL

Cycles controlled by a temperature sensor when outdoor temperatures fall below 23°F (-5°C).

- Standard: Exhaust Defrost (H1100-Fi)
- Optional: Recirculation Defrost (H1100-Ri)

#### CONTROLS

24 VAC, 10 VA output for supply and exhaust dampers  
Low-voltage dry contact (24 VAC, 20 VA) for:

- Occupancy Control (start/stop)
- Fan Interlock (NO and NC)
- Speed Selection
- Exhaust/Recirculation (with H1100-Ri)

Compatible With:

- Digital Multifunction Control (P/N: 611242FC)
- Mode Control (exchange or recirculation) (P/N: 611230)
- Humidity Control (P/N: 611224)
- Speed Control (Low/Intermittent/High) (P/N: 611229)
- 20/40/60 Minute Timer (P/N: 611228)

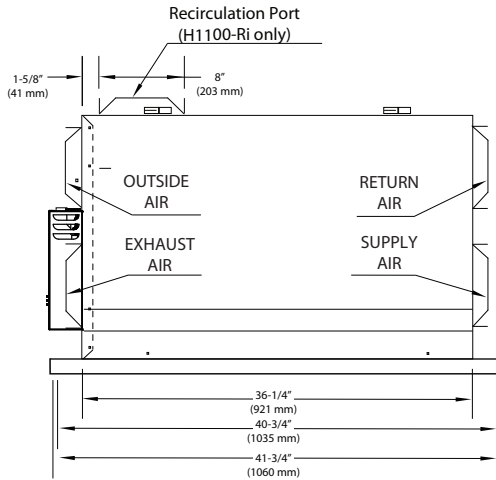
#### APPROVALS

Meets Standards:  
• UL 1812 and C22.2 no113

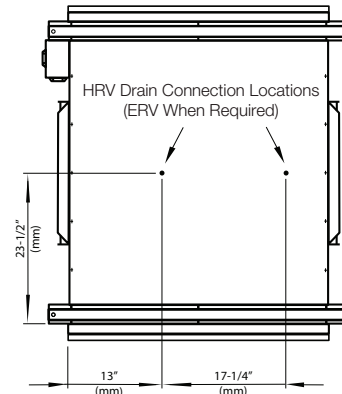
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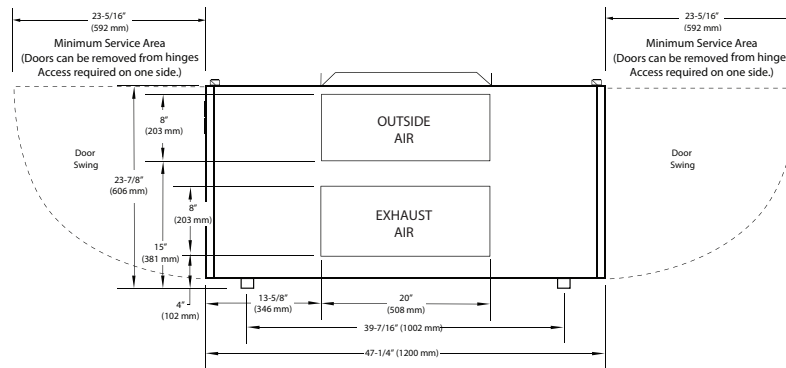
# Dimensions



FRONT VIEW

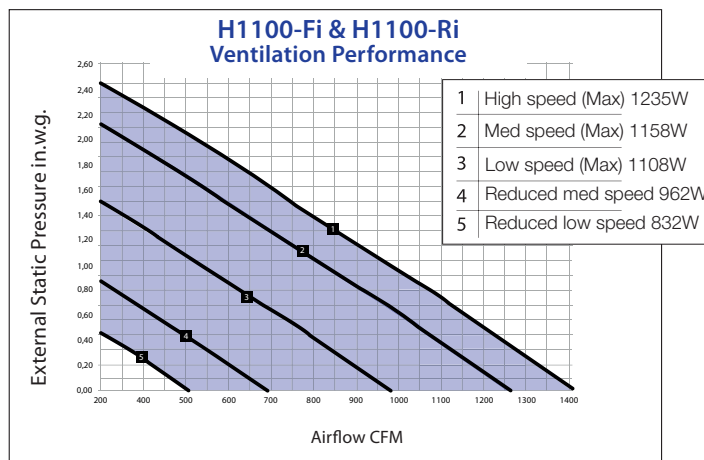


BOTTOM VIEW



SIDE VIEW

# Performance



	Sensible Recovery %
100 % Air Flow Cooling	46%
75 % Air Flow Cooling	48%
100 % Air Flow Heating	45%
75 % Air Flow Heating	48%
AHRI Core Reference Number	8284038

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