



LIGHT COMMERCIAL
H1800-Fi-P
Heat Recovery Ventilator
400-1700 CFM Range

PRODUCT
SPECIFICATIONS
& TECHNICAL
DATA



H1800-Fi-P

The H1800-Fi-P heat recovery ventilator provides high-efficiency heat recovery for indoor pool applications. The unit uses a robust, water-washable polypropylene core that can withstand the air-quality challenges of a pool environment. Producing approximately **1675 CFM** at 0.20 in.w.g (ESP), the H1800-Fi-P powerfully removes excess humidity and keeps pool users comfortable. The stainless steel interior resists corrosion.

Defrost modes are automatically included with the H1800-Fi-P, making it ideal for cold-weather applications. The unit shuts down the fan for the outdoor air supply during defrost cycles.

FEATURES

- Plate-type polypropylene cores
- Quiet operation
- Stainless steel interior and totally enclosed motors
- Efficient and economical operation
- Indoor pool application

CASING

Material: Painted galvanized steel
Stainless steel interior

Insulation: 1"(25 mm)

Drain Connection: Ø 1/2" (Ø 13 mm)

Duct Connections: 24" x 8" (610 mm x 203 mm)

Width: 45-5/8" (1158 mm)

Height: 29-5/8" (753 mm)

Depth: 48-7/8" (1242 mm)

Unit Weight: 245 lbs (111 kg)

Shipping Weight: 313 lbs (143 kg)

PLATE EXCHANGER

Standard: Polypropylene (sensible heat transfer)

Quantity: 3

Pitch: 0.12" (3 mm)

Dimensions: 16.03" x 16.03" x 15.67"
(407 mm x 407 mm x 398 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: 612414)

ELECTRICAL REQUIREMENTS

120 VAC, 60 Hz, 14.2 A, 1589 W

20A breaker required

FROST CONTROL

- Cycles controlled by a temperature sensor when outdoor temperatures falls below 23°F (-5°C).
- By exhaust defrost

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

Compatible With:

- Digital Multifunction Control (P/N: 611242FC)
- Mode Control (exhaust defrost) (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

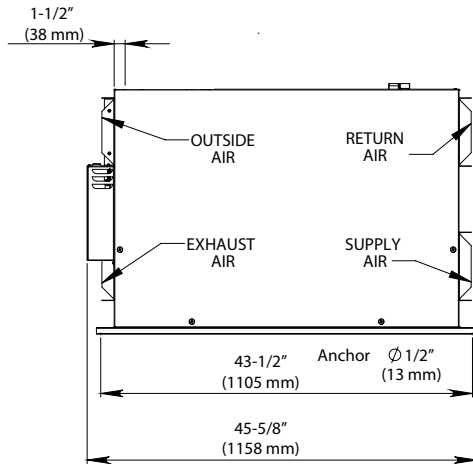
Meets Standards:

- UL 1812 and C22.2 no113

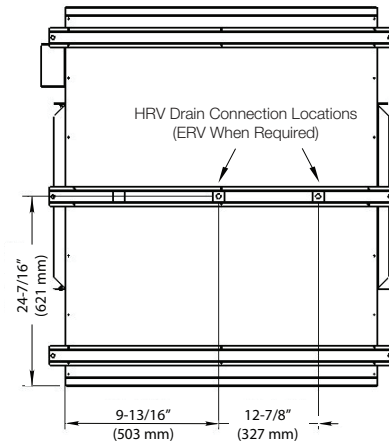
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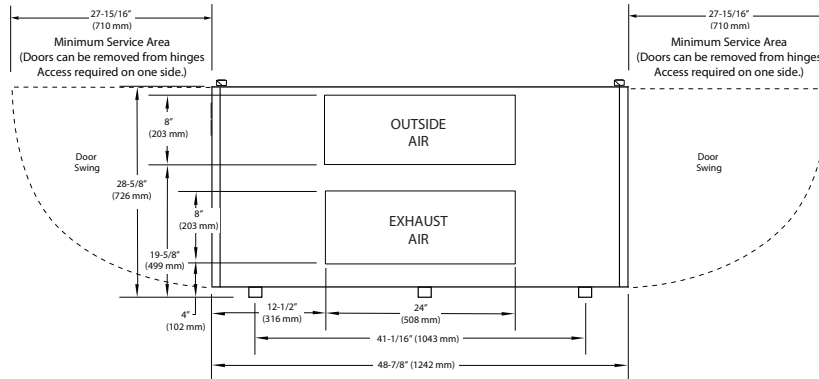
Dimensions



FRONT VIEW



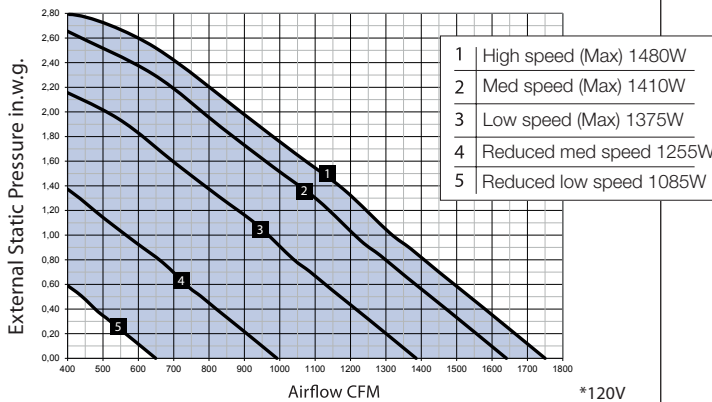
BOTTOM VIEW



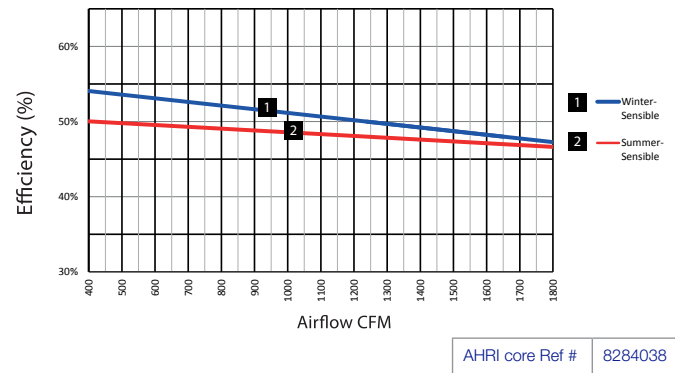
SIDE VIEW

Performance

H1800-Fi-P
Ventilation Performance



H1800-Fi-P
Core Efficiency



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