

Heat Recovery Ventilator VH30160

CLEAN COMFORT™
INDOOR AIR ESSENTIALS

Features

- Three operating modes (Intermittent, Continuous and High)
- 100% variable speed
- Integrated door pressure balancing taps
- ISF™ (Insert, Slide and Fix) 6" (153 mm) dia. collar system
- Advanced proportional supply fan shut-down defrost sequence
- Factory-installed, adjustable hanging strap system
- Dual permanently lubricated PSC motors
- Integrated auxiliary furnace interlock relay
- Ventilator can be balanced by adjusting each motor independently; no balancing dampers required
- Connection terminals for optional wall controls
- Quiet operation

Heat Recovery Core

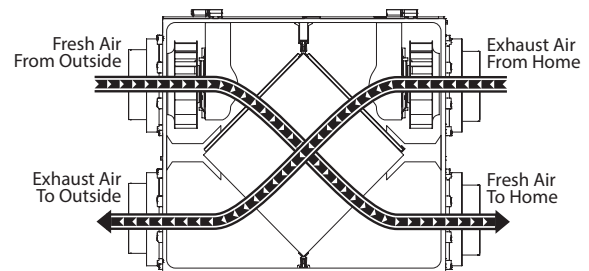
- Transfers sensible heat
- Effective in warm and cold climates
- Water washable

Certifications and Standards

- HVI Certified
- CSA C439 Standard (Packaged Heat/Energy Recovery Ventilators (HRV/ERV))
- CSA Standard CSA 22.2 NO.113-10 (Fans and ventilators)
- UL Standard 1812 2nd Ed. Ducted Heat/Energy Recovery Ventilators (HRV/ERV)



Airflow (Front View)



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Specifications VH30160

Cabinet

Dimensions 29¹/₂" x 22¹/₂" x 11¹/₈"
(749.3 mm x 571.5 mm x 289 mm)

Construction 20-gauge galvanized pre-painted steel corrosion-resistant liner: molded expanded Polystyrene (EPS) Rated UL94 HF-1

Duct Connections Four, 6" (152.5 mm) dia. ISF double collar system

Airflow Rates 30 CFM (14 L/s) to 160 CFM (76 L/s)

Motors Two PSC variable-speed backward curved
Maximum RPM 2695; 3/32 HP, class F, thermally protected

Voltage 120 VAC @ 60 Hz / 1 Phase

Amperage 1.5 A / 142 W

Electronic Components Circuit output voltage: 5VDC nominal
RoHS compliant

Heat Exchanger Exchange surface Polypropylene HRV Core
85 ft² (7.9 m²)
Dimensions 12" L x 12" W x 10" D
(304.8 mm x 304.8 mm x 254 mm)
Construction Corrugated cross-flow polypropylene layers
Recognized UL94 HB and HF-1

Defrost type Evacuation; activated automatically at 23°F (-5°C)

Filters Two Fiberbond washable 11-11/16"x9-3/4"x5/8"
(297 mm x 248 mm x 16 mm)

Drain Connection 1/2" (12.7 mm)

Actual Weight 43 lbs (19.5 Kg)

Shipping Weight 48 1/2 lbs (22 Kg)

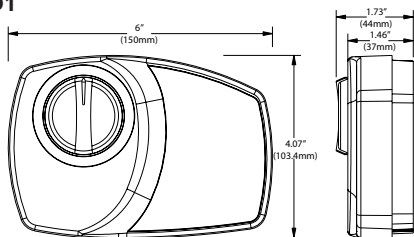
Optional Wall Controls

Mechanical VHP-RD1, VHP-TC10 or VHP-DC15

Timers VHP-T3 (20, 40, 60 minutes)

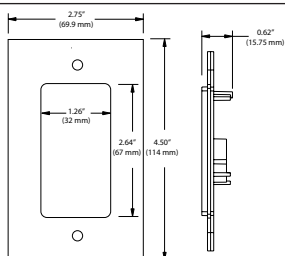
Wall Control Dimensions

VHP-RD1



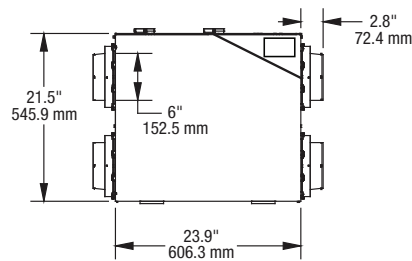
VHP-T3 Timer and

VHP-TC10 / VHP-DC-15 Wall Controls

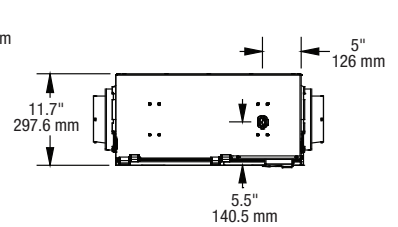


Dimensional Data

Front View

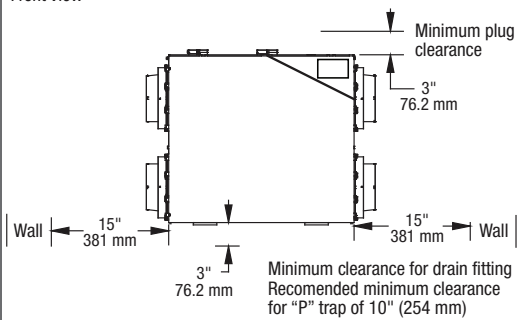


Top View

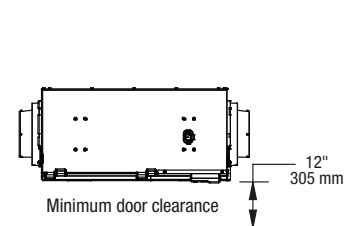


Minimum Clearance Data

Front View

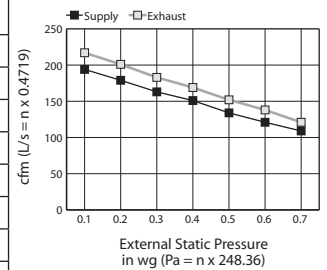


Top View



Ventilation Performance

External Static Pressure	Net Supply Airflow		Gross Airflow Supply		Gross Airflow Exhaust		
	Pa	In. wg	L/s	CFM	L/s	CFM	L/s
25	0.1	91	193	91	194	103	217
50	0.2	84	178	85	179	95	201
75	0.3	77	163	77	163	86	183
100	0.4	71	150	71	151	80	169
125	0.5	63	133	63	134	71	152
150	0.6	57	120	57	121	66	138
175	0.7	51	109	51	109	57	121



Energy Performance

	Supply Temperature		Net Airflow		Power Consumed (Watts)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency
	°C	°F	L/s	CFM			
Heating	0	32	31	65	72	66	73
	0	32	39	83	80	63	69
	0	32	50	107	94	60	66
	-25	-13	35	74	72	56	59

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