

Heat Recovery Ventilator VH30120R

CLEAN COMFORT™
INDOOR AIR ESSENTIALS

Features

- Four operating modes (Intermittent, Continuous, Recirculation and High)
- 100% variable speed
- ISF™ (Insert, Slide and Fix) 6" (127 mm) oval collar system
- Advanced proportional supply fan shut-down defrost sequence
- Single-person mounting system via wall bracket
- 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
- Wall-mount bracket included
- Quiet operation

Heat Recovery Core

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

Optional Accessories

- Matrix 2-in-1 high-performance concentric ventilation hood

Warranty

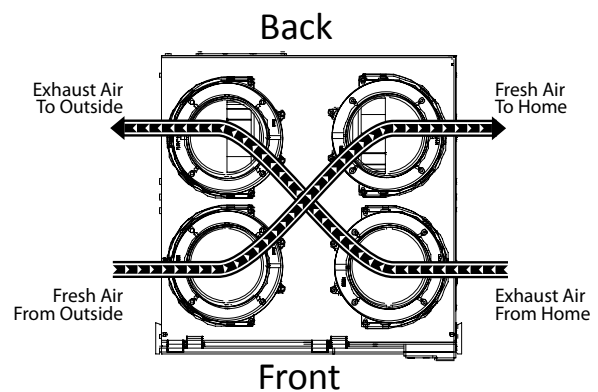
- 5-year limited warranty* on motors
- 5-year limited warranty* on parts
- Lifetime limited warranty* on Heat Recovery Core

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 (Top View)



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* Complete warranty details available from your local dealer or at www.cleancomfort.com.

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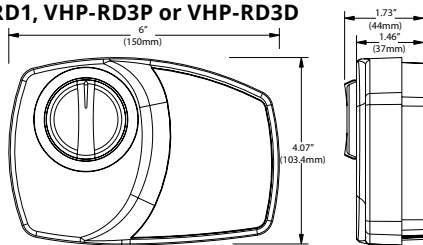


Specifications VH30120R

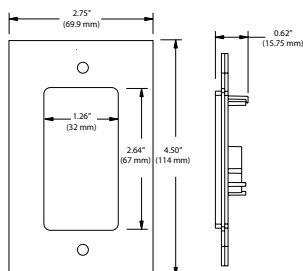
Cabinet	
Dimensions	26-1/32" x 16-1/32" x 21" (675.6 mm x 421.6 mm x 533.4 mm)
Construction	20-gauge galvanized pre-painted steel corrosion-resistant liner; molded expanded Polystyrene (EPS) Rated UL94 HF-1
Duct Connections	Four, 6" (152.5 mm) dia. ISF double collar system
Airflow Rates	30 CFM (14 L/s) to 120 CFM (57 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 ft ² (7.9 m ²)
Dimensions	10" L x 10 7/8" W x 10" D (254 mm x 275 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
Drain Connection	1/2" (12.7 mm)
Actual Weight	47 lbs (21.3 Kg)
Shipping Weight	56 lbs (25.4 Kg)
Optional Wall Controls	
Mechanical	VHP-RD1, VHP-RD3P or VHP-RD3D
Timers	VHP-T3 (20, 40, 60 minutes)

Wall Control Dimensions

VHP-RD1, VHP-RD3P or VHP-RD3D

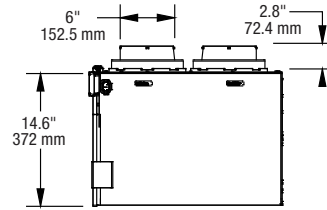


VHP-T3 Timer

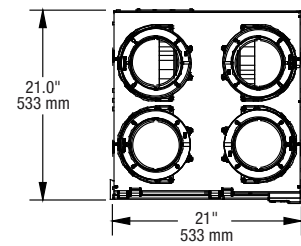


Dimensional Data

Front View

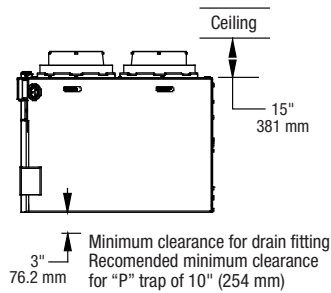


Top View

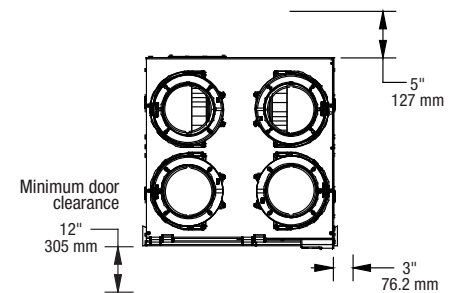


Minimum Clearance Data

Front View

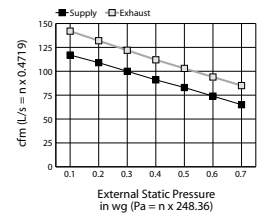


Top View



Ventilation Performance

External Static Pressure	Net Supply Airflow		Gross Airflow Supply		Gross Airflow Exhaust	
	Pa	in. wg	L/s	CFM	L/s	CFM
25	0.1	55	116	55	117	67
50	0.2	50	107	51	109	62
75	0.3	46	98	47	100	57
100	0.4	42	90	43	91	53
125	0.5	38	81	39	83	49
150	0.6	34	73	35	74	44
175	0.7	30	64	31	65	40



Energy Performance

	Supply Temperature		Net Airflow		Power Consumed (Watts)	Sensible Recovery Efficiency	Apparent Sensible Effectiveness
	°C	°F	L/s	CFM			
Heating	0	32	24	50	70	64	77
	0	32	31	65	84	62	73
	0	32	41	86	106	59	71
	-25	-13	31	66	94	55	72

Our continuing commitment to quality products may mean a change in specifications without notice.

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