

Heat Recovery Ventilator VH30140RNC

CLEAN COMFORT™
INDOOR AIR ESSENTIALS

Features

- Three operating modes (Intermittent, Continuous and High)
- 100% variable speed
- ISF™ (Insert, Slide and Fix) 5" (127 mm) oval collar system
- Advanced proportional recirculation damper defrost sequence
- Mounting feature via chains & isolators
- Dual permanently lubricated PSC motors
- Integrated auxiliary furnace interlock relay
- Connection terminals for optional wall controls
- Integrated door pressure balancing taps
- Quiet operation

Heat Recovery Core

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

Optional Accessories

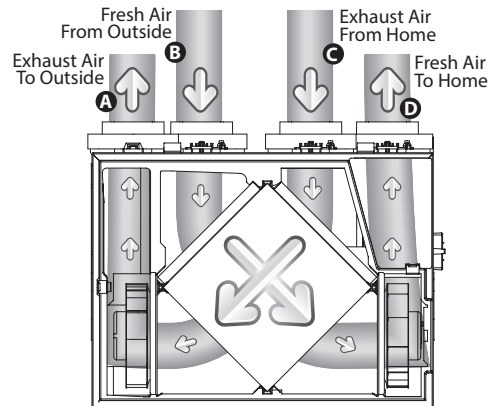
- Matrix 2-in-1 high-performance concentric ventilation hood

Certifications and Standards

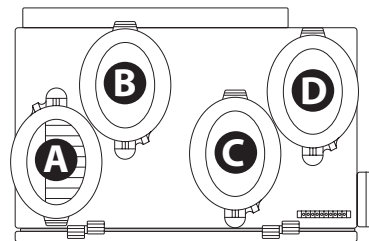
- HVI Certified
- CSA C439 Standard (Packaged Heat/Energy Recovery Ventilators (HRV/ERV))
- CSA Standard CSA 22.2 NO.113-10 (Fans and ventilators)
- UL Standard 1812 2nd Ed. Ducted Heat/Energy Recovery Ventilators (HRV/ERV)



AIRFLOW Front View



Top View



Specifications VH30140RNC

Cabinet

Dimensions 24.2" x 19.5" x 15.8"
(615.5mm x 495 mm x 401mm)

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

Duct Connections Four, 5" (127 mm) dia. ISF double collar system

Airflow Rates 30 CFM (14 L/s) to 140 CFM (66 L/s)

Motors Two PSC variable-speed backward curved
Maximum RPM 2630; 3/32 HP, class F, thermally protected

Voltage 120 VAC @ 60 Hz / 1 Phase

Amperage 1.0 A / 100 W

Electronic Components Circuit output voltage: 5VDC nominal compliant
RoHS compliant

Heat Exchanger Exchange surface Polypropylene HRV Core
85 ft² (7.8m²)
Dimensions 10" L x 10" W x 12.5" D
(254 mm x 254 mm x 317.5 mm)
Construction Corrugated cross-flow polypropylene layers
Recognized UL94 HB and HF-1

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

Filters Two (2) Fiberbond washable 9" x 12.5" x 5/8"
(229mm x 317.5mm x 16 mm)

Drain Connection ½" (12.7 mm)

Actual Weight 45.5 Lbs (20.6 Kg)

Shipping Weight 50 Lbs (22.7 Kg)

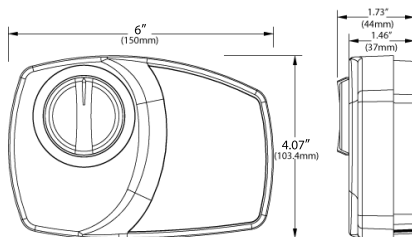
Optional Wall Controls

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

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

Wall Control Dimensions

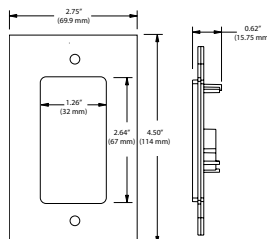
VHP-RD1



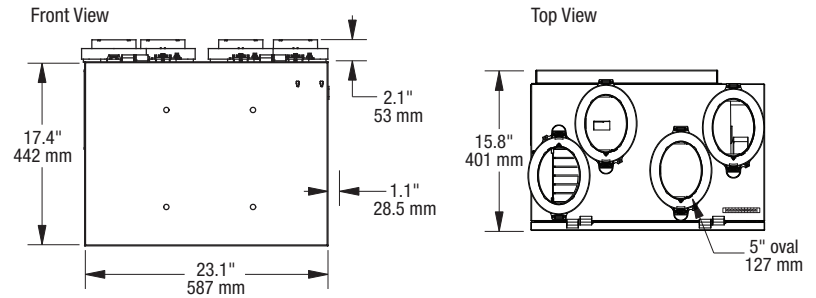
VHP-T3 Timer

and

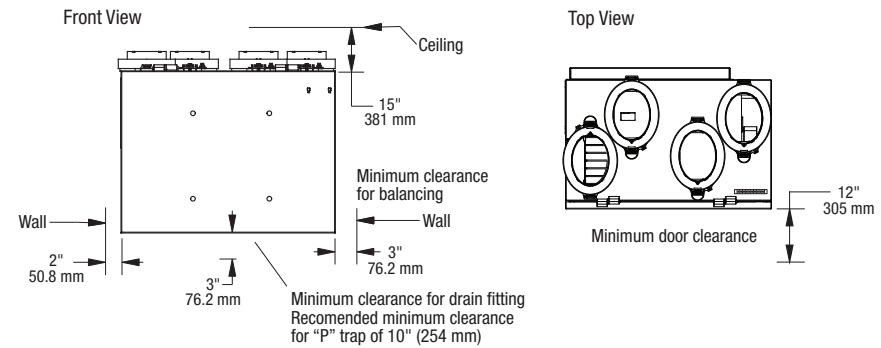
VHP-TC10 / VHP-DC15 Wall Controls



Dimensional Data

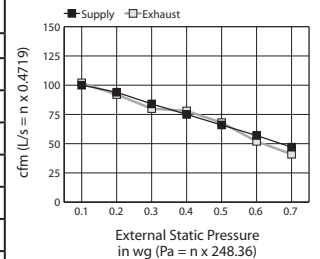


Minimum Clearance Data



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	70	148	71	150	161
50	0.2	66	140	67	142	153
75	0.3	62	131	62	131	142
100	0.4	57	121	58	123	131
125	0.5	53	112	54	114	123
150	0.6	49	104	49	104	110
175	0.7	44	93	44	93	100



Energy Performance

	Supply Temperature		Net Airflow		Power Consumed (Watts)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency
	°C	°F	L/S	CFM			
Heating	0	32	24	51	48	75	82
	0	32	30	64	54	72	78
	0	32	40	85	66	69	74
	-25	-13	25	53	54	65	68
	-25	-13	30	64	60	64	67
	-25	-13	40	85	66	69	74



This product earned the ENERGY STAR® by meeting strict energy efficiency guidelines set by Natural Resources Canada and the US EPA. It meets ENERGY STAR® requirements only when used in Canada.

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