



Venmar AVS Constructo 1.5V

Part no. 43130

67 to 157 CFM (0.4 in. w.g.)



VB0123

THE NEWEST ADDITION TO OUR POPULAR CONSTRUCTO FAMILY

The contractor's priority is to offer affordable improved indoor air quality to the customer. At Venmar, we also share this vision: provide a reliable product that will ensure the homeowner a healthier environment. The Constructo 1.5V offers all the basic features for the new construction market, such as integrated balancing dampers and a defrosting system without negative pressure. Moreover, all aspects of its design were thought to ease balancing of air flow and simplify installation; it also offers easy access to electronic components.

Designed with 2 PSC motors, the Constructo 1.5V improves indoor air quality and reduces excess humidity, ensuring a continuous supply of fresh air from outside into the house.

- Faster and easier installation of insulated flexible ducts with practical straps
- Integrated balancing dampers
- Easy to access electronic module
- Homeshield™ defrosting system (no negative pressure)
- Heat recovery core offers greater comfort
- Designed with 2 PSC high pressure blowers
- Integrated draining system with antimicrobial coating
- ENERGY STAR® qualified

REPAIRS AND MAINTENANCE

The Constructo 1.5V low power consumption PSC motors are permanently lubricated. The electronic circuit board eliminates electromechanical parts, reducing repair time to a minimum.

WARRANTY

The Constructo 1.5V unit is protected by a complete 2-year warranty on all parts. The heat recovery core is covered by a limited lifetime warranty, with the original proof of purchase.

Available at :



HEAT RECOVERY VENTILATOR

Controls

- This unit is very simple to operate. Once it is installed, press on its push button, located under the unit, to activate it. Press once for low speed, once again for high speed, and once more to stop it.
- The following main controls are also available:
 - Digital control Deco-Touch* no. 40395
 - Lite-Touch Constructo no. 40370
 - Constructo no. 40350
- * **Recirculation mode not available.**
- Also, 1 to 5 of the following optional controls can be added:
 - 20-min. Lighted push button no. 12030
 - 60-min. Mechanical timer no. 00910

For more details about controls, refer to their specification sheet on venmar.ca.

Options

- Complete line of registers and diffusers
- Electric duct heater

Homeshield™ Defrosting System

The Constructo 1.5V uses a unique defrosting method. No negative pressure is created by air exhausted to the outside, as the air is recirculated into the house, helping to prevent any backdraft.

| OUTSIDE TEMPERATURE | | DEFROST CYCLE DEFROSTING MIN./ OPERATING MIN. |
|---------------------|----------------|---|
| °C | °F | |
| WARMER THAN -5 | WARMER THAN 23 | NO DEFROST |
| -5 TO -27 | 23 TO -17 | 7 / 25 |
| AND LESS | -17 AND LESS | 10 / 22 |

Heat Recovery Core

Dimensions: 10" x 10" x 14.25" (25.4 cm x 25.4 cm x 36.2 cm)

Exchange surface: 100 ft²

Weight: 7.26 lb (3.3 kg)

Material: Polypropylene

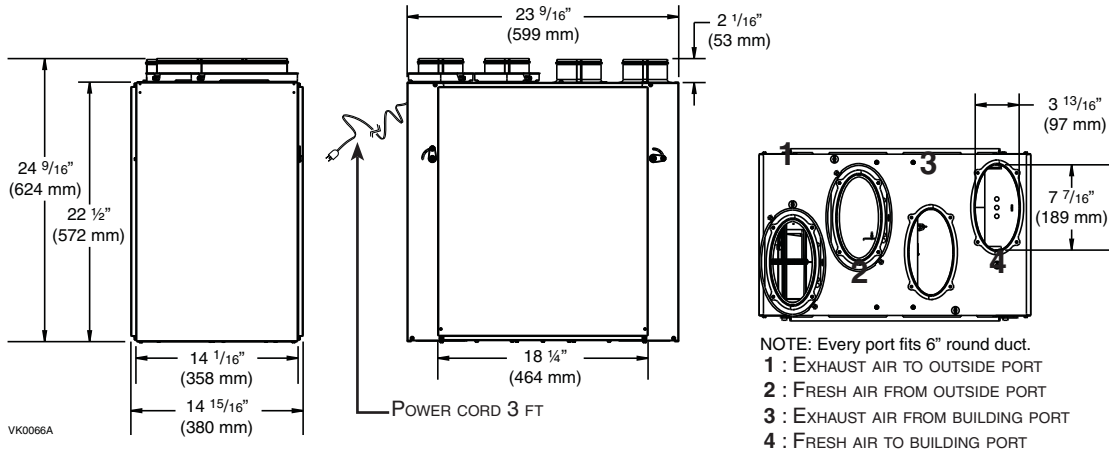
Type: Cross flow

Warranty: Limited lifetime

Requirements and standards

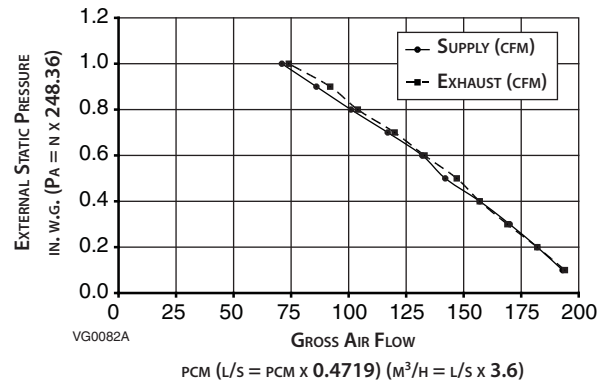
- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with CSA C444 requirements regulating the installation of Heat Recovery Ventilators
- Technical data was obtained from published results of tests relating to CSA C439 Standards
- HVI certified and ENERGY STAR® qualified

DIMENSIONS AND SERVICE CLEARANCE: VENMAR AVS CONSTRUCTO 1.5V



VENTILATION PERFORMANCE

| EXT. STATIC PRESSURE | | NET SUPPLY AIR FLOW | | | GROSS AIR FLOW | | | | | |
|----------------------|----------|---------------------|-----|-------------------|----------------|-----|-------------------|---------|-----|-------------------|
| Pa | in. w.g. | l/s | cfm | m ³ /h | SUPPLY | | | EXHAUST | | |
| | | | | | l/s | cfm | m ³ /h | l/s | cfm | m ³ /h |
| 25 | 0.1 | 91 | 193 | 328 | 92 | 195 | 331 | 91 | 194 | 328 |
| 50 | 0.2 | 86 | 182 | 310 | 86 | 183 | 310 | 86 | 182 | 310 |
| 75 | 0.3 | 80 | 170 | 288 | 81 | 171 | 292 | 80 | 169 | 288 |
| 100 | 0.4 | 74 | 157 | 266 | 74 | 158 | 266 | 74 | 157 | 266 |
| 125 | 0.5 | 67 | 142 | 241 | 67 | 143 | 241 | 69 | 147 | 248 |
| 150 | 0.6 | 62 | 132 | 223 | 62 | 133 | 223 | 63 | 133 | 227 |
| 175 | 0.7 | 55 | 117 | 198 | 56 | 118 | 202 | 57 | 120 | 205 |
| 200 | 0.8 | 47 | 101 | 169 | 48 | 101 | 173 | 49 | 104 | 176 |
| 225 | 0.9 | 40 | 86 | 144 | 41 | 87 | 148 | 43 | 92 | 155 |
| 250 | 1.0 | 33 | 71 | 119 | 34 | 71 | 122 | 35 | 74 | 126 |



ENERGY PERFORMANCE

| SUPPLY TEMPERATURE | | NET AIR FLOW | | POWER CONSUMED | SENSIBLE RECOVERY | APPARENT SENSIBLE | LATENTE/RECOVERY |
|--------------------|-----|--------------|-----|----------------|-------------------|-------------------|-------------------|
| °C | °F | L/S | CFM | WATTS | EFFICIENCY | EFFECTIVENESS | MOISTURE TRANSFER |
| HEATING | | | | | | | |
| 0 | 32 | 32 | 67 | 56 | 70 | 78 | 0.00 |
| 0 | 32 | 40 | 86 | 64 | 68 | 75 | 0.01 |
| 0 | 32 | 56 | 120 | 86 | 64 | 70 | 0.01 |
| -25 | -13 | 30 | 63 | 79 | 61 | 83 | 0.01 |

NOTE: All specifications are subject to change without notice.

SPECIFICATIONS

- Model: Venmar AVS Constructo 1.5V
- Part number: 43130
- Total assembled weight (including polypropylene core): 52.0 lb. (23.6 kg)
- Oval shaped ports: fit 6" round ducts
- Drains: 1/2" (1.2 cm) fittings with 10 ft (3 m) PVC drain hose
- Core filters: 2 washable MERV 7 9.2" x 14.25" x 3.8" (23.4 cm x 36.2 cm x 9.6 cm)
- Insulation: Expanded polystyrene
- Mounting: Suspension by chains and springs
- 2 PSC motors (supply and exhaust blower motors)
 - Protection type: thermally protected
 - Insulation class: F
- Speed control on unit:
 - Low and High speed
 - Other modes available with Lite-Touch or Deco-Touch main control
- Housing: pre-painted steel
- Heat recovery core:
 - Heat exchange surface area: 100 ft² (9.3 m²)
 - Type: Cross flow
 - Material: Polypropylene
- Unit electrical characteristics:

| | | | |
|-------|-----------|--------|-------|
| Volts | Frequency | Ampere | Watts |
| 120 | 60 Hz | 1.0 | 125 |

| | |
|---------------------------------|---------|
| Project: | REMARKS |
| Location: | |
| Part no.: 43130 | |
| Qty.: | |
| Submitted by: _____ Date: _____ | |



Residential Products Group, 550 Lemire Blvd., Drummondville, Qc, Canada J2C 7W9 - Tel.: 1-800-567-3855 Fax: 1-800-567-1715



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