ENGINEERING DATA

THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE
The cross-flow heat recovery core transfers heat between the two airstreams. The two cores are arranged for highly efficient counter current airflow.

MOTORS AND BLOWERS
Each airstream has one centrifugal blower driven by a common PSC motor, with multiple fanspeed operations.

FILTERS
Washable air filters in exhaust and supply airstreams.

MOUNTING THE HRV
Threaded inserts at corners of the cabinet designed to accept the “S” hooks and hanging straps supplied with the unit.

DEFROST
Damper defrost system.

CASE
20 gauge prepainted galvanized steel for superior corrosion resistance, insulated to prevent exterior condensation. Drain connections: Two 1/2 in (12 mm) OD.

ELECTRONICS
Control included with the unit can be wall mounted in a central location of the home. 3 wire 20 gauge (min.) 100 ft length (max.).

CONTROLS
99-DXPL01 Lifestyle MAX Digital Control
- 5 speed operation on each mode
- 4 user selectable operational modes: Continuous Ventilation, 20 ON/40 OFF, 20 ON/40 Recirculation, Continuous Recirculation
- Humidity control through dehumidistat
- Adjustable dehumidistat function built into main wall control
- Built in relay for interfacing to furnace

OPTIONAL CONTROLS
99-LS01 Lifestyle MAX Programmable Control - Contains all the features of the Lifestyle MAX Digital Control with 24/7 programmable ventilation, 3 wire connection.

OPTIONAL TIMERS
99-DET01 Lifestyle 20/40/60 Minute Timer - Initiates high speed ventilation for 20, 40, or 60 minutes, 3 wire connection.
99-20M01 Lifestyle 20 Minute Timer - Initiates high speed ventilation for 20 minutes, 3 wire connection.
99-101 Mechanical Timer - Initiates high speed ventilation for up to 60 minutes, 2 wire connection.

OPTIONAL ACCESSORIES
99-DH01 Lifestyle Dehumidistat - Initiates high speed ventilation when the indoor humidity level is above the set point. 3 wire connection.
99-163 Duct Heater w/Electronic SCR Thermostat - 1 kW, 6 in (152 mm)
99-186 Weatherhoods - Two 6 in (152 mm)

WEIGHT
88 lbs (40 kg) SHIPPING WEIGHT 92 lbs (41.8 kg)

DIMENSIONS 300DCS

Performance (HVI certified)
Net supply air flow in cfm (L / s) against external static pressure

<table>
<thead>
<tr>
<th>External Static Pressure</th>
<th>Airflow</th>
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<tbody>
<tr>
<td>@ 0.1 in (25 Pa)</td>
<td>232 cfm (110)</td>
</tr>
<tr>
<td>@ 0.2 in (50 Pa)</td>
<td>212 cfm (100)</td>
</tr>
<tr>
<td>@ 0.3 in (75 Pa)</td>
<td>202 cfm (95)</td>
</tr>
<tr>
<td>@ 0.4 in (100 Pa)</td>
<td>183 cfm (86)</td>
</tr>
<tr>
<td>@ 0.5 in (125 Pa)</td>
<td>163 cfm (77)</td>
</tr>
<tr>
<td>@ 0.6 in (150 Pa)</td>
<td>144 cfm (68)</td>
</tr>
<tr>
<td>@ 0.7 in (175 Pa)</td>
<td>123 cfm (58)</td>
</tr>
<tr>
<td>@ 0.8 in (200 Pa)</td>
<td>92 cfm (43)</td>
</tr>
</tbody>
</table>

Max. Temperature Recovery 90%
Sensible Effectiveness @ 117 cfm (55 L / s) 32°F (0°C) 90%
Sensible Efficiency @ 117 cfm (55 L / s) 32°F (0°C) 79%
Sensible Efficiency @ 132 cfm (62 L / s) -13°F (-25°C) 70%

VAC @ 60Hz 120
Watts / Low speed 150
Watts / High speed 333
Amp rating 2.9

Sensible Efficiency: Thermal Efficiency: Based on temperature differential between the 2 airstreams
Effective: Takes into account all power inputs

DATE: Tag: Qty: Project: Contractor: Supplier: Quote #: Submitted By:

NOTE: All specifications are subject to change without notice.

All units conform to CSA and UL standards