

## 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.).

### CONTROL

99-


99-

99-

99-

99-

99-

120V power outlet. Wirelessly connects to main control and 99-DET02. Install at 

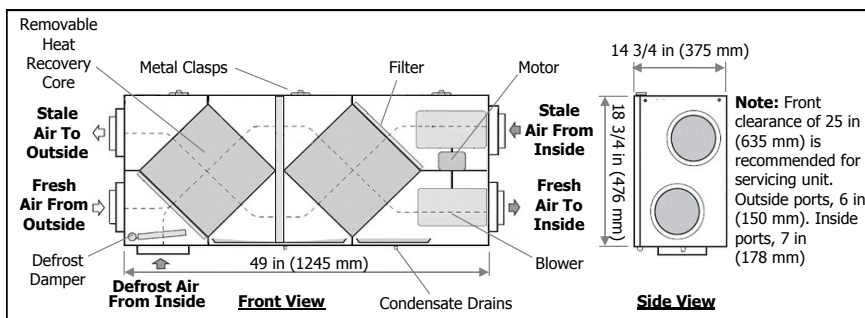
**w t**

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

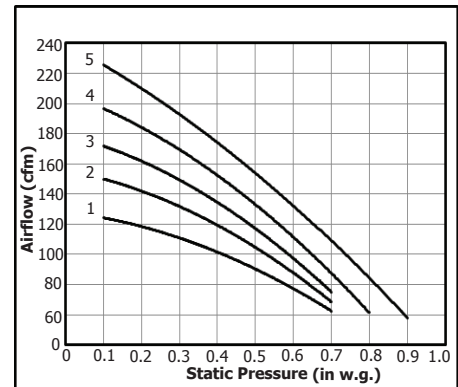


Performance (HVI certified)	
Net supply air flow in cfm (L/s) against external static pressure	
External Static Pressure	Airflow
@ 0.1 in (25 Pa)	232 cfm (110)
@ 0.2 in (50 Pa)	212 cfm (100)
@ 0.3 in (75 Pa)	202 cfm (95)
@ 0.4 in (100 Pa)	183 cfm (86)
@ 0.5 in (125 Pa)	163 cfm (77)
@ 0.6 in (150 Pa)	144 cfm (68)
@ 0.7 in (175 Pa)	123 cfm (58)
@ 0.8 in (200 Pa)	92 cfm (43)
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

**Effectiveness:** Based on temperature differential between the 2 airstreams

**Efficiency:** Takes into account all power inputs



### WARRANTY

Units carry a lifetime warranty on the HRV core and a 5 year replacement parts warranty.

NOTE: All specifications are subject to change without notice.

All units conform to CSA and UL standards



Date: \_\_\_\_\_

Tag: \_\_\_\_\_ Qty: \_\_\_\_\_

Project: \_\_\_\_\_

Engineer: \_\_\_\_\_

Contractor: \_\_\_\_\_

Supplier: \_\_\_\_\_

Quote #: \_\_\_\_\_

Submitted By: \_\_\_\_\_