AIR-205-R
HEAT RECOVERY VENTILATOR



ENGINEERING DATA

THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE
The counter-flow heat recovery core transfers heat between two airstreams.
It is easily removed for cleaning or service.

MOTORS AND BLOWERS
Each airstream has an independent centrifugal blower with multiple fan speed operations.

FILTERS
Washable air filters in exhaust and supply airstreams.
Upgrade to MERV-13 option available.

MOUNTING
Four threaded inserts at corners of the cabinet designed to accept the "S" hooks and hanging straps supplied with the unit.

DEFROST
Recirculating damper defrost system.

CASE
20 gauge prepainted galvanized steel for superior corrosion resistance.
Insulated to prevent exterior condensation. Drain connections 2 - 1/2 in. (12 mm).
Balancing ports are located on door.

INSTALLER SELECTABLE HIGH SPEED SETTINGS
Adjustable DIP switches are located on the circuit board, Hi3 is the factory setting.
Refer to the Installation manual for the adjustment instructions.

ELECTRONICS
The optional control can be wall mounted in a central location of the home.
3 wire 20 gauge (min.) 100 ft length (max.).

OPTIONAL ACCESSORIES:

Dual Hood
99-190
99-194



Weather Hood
99-185
99-186
99-187



TechGrille
99-EAG4
99-EAG5
99-EAG6
99-EAG8



Terminator Fitting
99-TM4
99-TM5
99-TM6



AIRFLOW CONTROL OPTIONS

FEATURES	99-GDXPL03	99-GBC02	99-GBC03	99-GBC04
5 speed fan operation on each mode	✓			
2 speed fan operation (Low/High)		✓		✓
Continuous low speed fan operation	✓	✓	✓	✓
Humidity control through adjustable Dehumidistat	✓	✓	✓	
Large digital LCD screen	✓			
LED status indicator lights		✓	✓	✓
Continuous Ventilation	✓	✓	✓	✓
Continuous Recirculation	✓		✓	
20 ON/40 OFF	✓		✓	✓
10 ON/50 OFF	✓			
20 ON/40 Recirculation	✓		✓	✓
20/40/60 min. High speed override button	✓			
Compatible with 99-DET02 Wireless Timer	✓	✓	✓	✓
3 wire connection	✓	✓	✓	✓

TIMER OPTIONS

99-DET01 - Airflow 20/40/60 Minute Timer
Initiates high speed Ventilation for 20, 40 or 60 minutes. 3 wire connection.

99-DET02 - Wireless Airflow 20/40/60 Minute Timer
Initiates high speed Ventilation for 20, 40 or 60 minutes. Wirelessly connects to main control for ease of installation. 40' approximate range.

99-RX02 - Wireless Airflow Repeater
Extends range of 99-DET02 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.



99-GBC02 99-GBC03 99-GBC04 99-DET02 99-DET01

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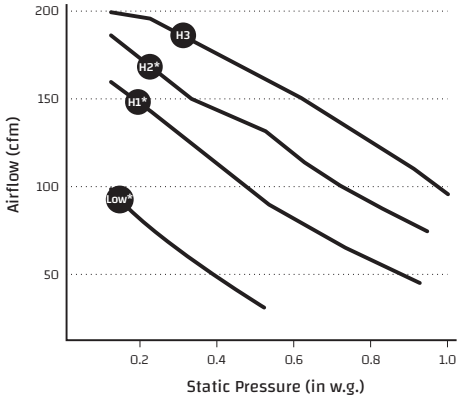
PERFORMANCE

IN. W.G. (PA)	0.1 (25) CFM (L/s)	0.2 (50) CFM (L/s)	0.3 (75) CFM (L/s)	0.4 (100) CFM (L/s)	0.5 (125) CFM (L/s)	0.6 (150) CFM (L/s)	0.7 (175) CFM (L/s)	0.8 (200) CFM (L/s)	0.9 (225) CFM (L/s)
Net Supply Airflow	199 (94)	191 (90)	180 (85)	170 (80)	159 (75)	148 (70)	138 (65)	127 (60)	114 (54)
Gross Supply Airflow	201 (95)	193 (91)	182 (86)	172 (81)	161 (76)	150 (71)	138 (65)	127 (60)	117 (55)
Gross Exhaust Airflow	191 (90)	182 (86)	172 (81)	163 (77)	153 (72)	142 (67)	131 (62)	119 (56)	108 (51)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
* Watts / Low Speed	66
* Watts / High Speed	86
* Amp Rating	1.4

Sensible Efficiency (ASE) @ 49 CFM (23 L/s)*	32°F (0°C)	97
Sensible Efficiency (SRE) @ 49 CFM (23 L/s)	32°F (0°C)	83
Sensible Efficiency (ASE) @ 64 CFM (30 L/s)*	32°F (0°C)	93
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	82
Sensible Efficiency (ASE) @ 95 CFM (45 L/s)*	32°F (0°C)	89
Sensible Efficiency (SRE) @ 95 CFM (45 L/s)	32°F (0°C)	79
Sensible Efficiency (SRE) @ 70 CFM (33 L/s)	-13°F (-25°C)	69

* Not an HVI certified data point



WEIGHT:
57 LBS (25.8 KG)

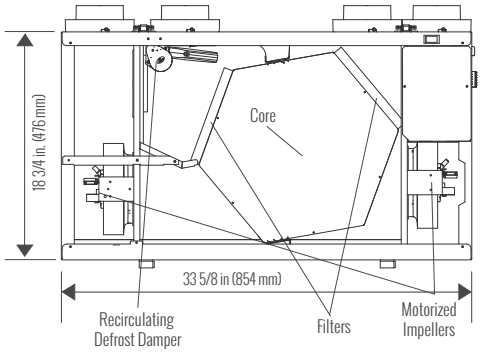
SHIPPING WEIGHT:
67 LBS (30 KG)

NOTE:
Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 6 in. (150 mm) oval collars, balancing dampers are located on all collars.

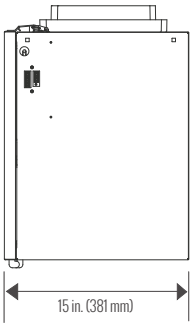
MERV 13 Upgrade: 65-195-6R

DIMENSIONS

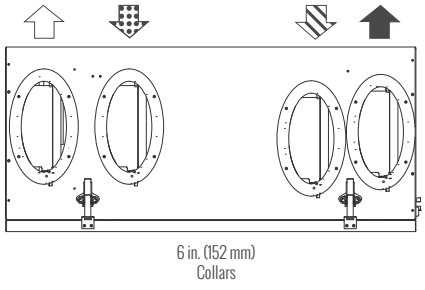
DOOR SIDE VIEW



SIDE VIEW



TOP VIEW



Airflow:
- Stale Air to Outside
- Fresh Air from Outside
- Stale Air from Inside
- Fresh Air to Inside

Date: _____ Contractor: _____

Tag: _____ Supplier: _____

Project: _____ Qty: _____ Quote #: _____

Engineer: _____ Submitted By: _____

Control: _____ Timer: _____ Timer Qty: _____

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

All units conform to CSA and UL standards

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