

700 FD/DD

HEAT RECOVERY VENTILATOR



ENGINEERING DATA:

CORES

Modular (2 section) patented aluminum heat recovery cores arranged for efficient counter-flow ventilation.

MOTORS

Two PSC, 3 speed single shafted, 120 VAC, 4.5 Amps each (9 total on high speed). HP-1/4, 1450 RPM. MCA: 11.3 MOP: 15 Watts -total on high speed - 1032.

FILTERS

Washable MERV 6 air filters in exhaust and supply airstreams.

BLOWERS

Easily slide in/out of unit. Centrifugal type rated at 700 CFM (329 L/s) free air delivery. Each airstream has one single shafted motor driving a centrifugal blower.

CONNECTION DUCT SIZES

Four - 14 in. x 8 in. (356 mm x 200 mm).

MOUNTING

Unit to be set on support brackets hung by threaded rod-type apparatus (brackets and rods not included).

CASE

Unit has front and back access doors and electrical panel can be switched to either side giving the installer flexibility in duct direction. 20 gauge prepainted galvanized steel (G60) for superior corrosion resistance. Insulated with foil faced insulation where required to prevent exterior condensation. Drain connections are two - 1/2" (12 mm) O.D.

ELECTRONICS

Integrated microprocessor circuit board. Built-in interlock contacts.

DEFROST CONTROLS

700 FD - Interrupts supply air while exhaust air defrosts core.
700 DD - 5th port damper routes indoor air to defrost core.

CONTROLS & TIMERS OPTIONS

BASIC CONTROL

| 99-BC02

- 2 speed fan setting (LOW/HIGH)
- Standby setting (FAN OFF)
- Electronic dehumidistat
- Compatible with 99-DET02 Wireless Timers
- Slim-line design
- Connects to 3 wire 20 gauge low voltage wire



3-SPEED CONTROL

| 99-500

- 3-speed fan setting (LOW/MED/HIGH)
- 4 wire connection: 20 gauge wire (Min)



20/40/60 MINUTE TIMER | 99-DET01

- Initiates high speed operation for 20, 40 or 60 minutes



WIRELESS TIMER

| 99-DET02

- Initiates high speed operation for 20, 40 or 60 minutes
- Estimated range of 40ft
- Compatible with Repeater (99-RX02) for extended range
- Saves on installation time and cost
- Can be surface or e-box mounted
- Includes battery



REPEATER | 99-RX02

- Extends range between wireless timer (DET02) and the main control
- Plugs directly into outlet and connects wirelessly to the control and timer



Date: _____ Contractor: _____

Tag: _____ Supplier: _____

Project: _____ Qty: _____ Quote #: _____

Engineer: _____ Submitted By: _____

Control: _____ Timer: _____ Timer Qty: _____

69-700FD/DD (0623)

WARRANTY

Units carry a 15 year warranty on the HRV core and a 2 year replacement parts warranty.

All units conform to CSA and UL standards



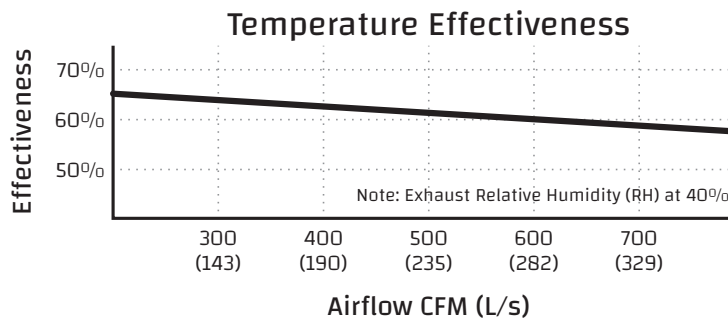
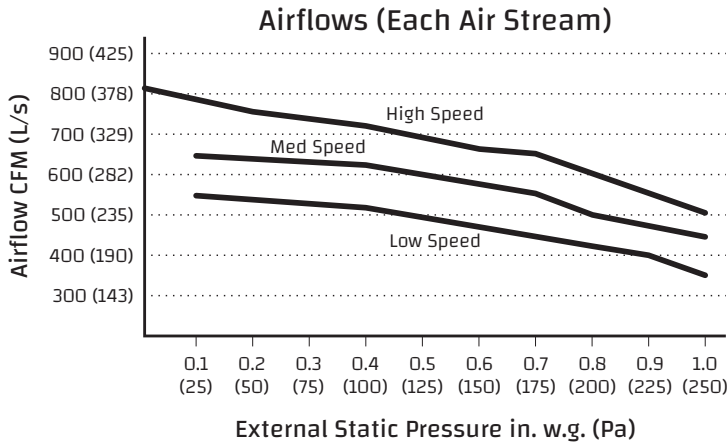
www.lifebreath.com

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PERFORMANCE



WEIGHT:
260 LBS (118 KG)

SHIPPING WEIGHT:
310 LBS (141 KG)

Note: Service clearance is 30 in. (760 mm) from front access doors. All specifications are subject to change without notice.

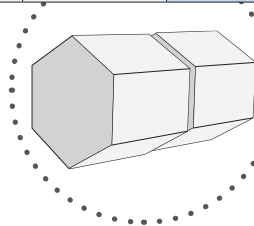
Contains:
68-222R AHRI 1060 Certified Cores
65-161-12R MERV 6 Filters
23-808 Motors
23-009 Damper Motor

MERV 13 Upgrade: 65-195-6R



Model	Dimensions H x W x D (in.)	Defrost System	Effectiveness @ 0°C (32°F)	Nominal Airflow @ 0.5	# of Cores / # of Passes	# of Speeds	Voltage VAC/Phase	Total Amps	MCA/MOP	Filter MERV Rating
700FD	32.25 x 33.25 x 29	Supply Fan Shutdown	59%	700	2/1	3	120/1	9	11.3 / 15	6
700DD	32.25 x 33.25 x 29	5th Port Damper	59%	700	2/1	3	120/1	9	11.3 / 15	6

DIMENSIONS



Core configuration
2 HRV Hex Aluminum cores

Airflow:

- Exhaust Air to Outside
- ▤ Supply Air from Outside
- ▥ Exhaust Air from Inside
- ▧ Supply Air to Inside

