

SPECIFICATIONS CATALOGUE



LIFE BREATH[®]
Indoor Air Systems

PURE PERFORMANCE[™]

PURE PERFORMANCE™

This is what you'll get from Lifebreath: Pure Performance. It's a concept shaped around products, people and partnerships – our three core values, and it is engineered into every product in our catalogue.

PRODUCTS

Lifebreath is quality you know. It is experience, reliability and the insight to evolve. It is value, pride and innovation.



PEOPLE

Our people are each part of a larger community: networks and teams, businesses and end-users. One-to-one or as a company, we listen to our customers, care for our employees, and value our suppliers. Together, people give Lifebreath its quality and integrity.

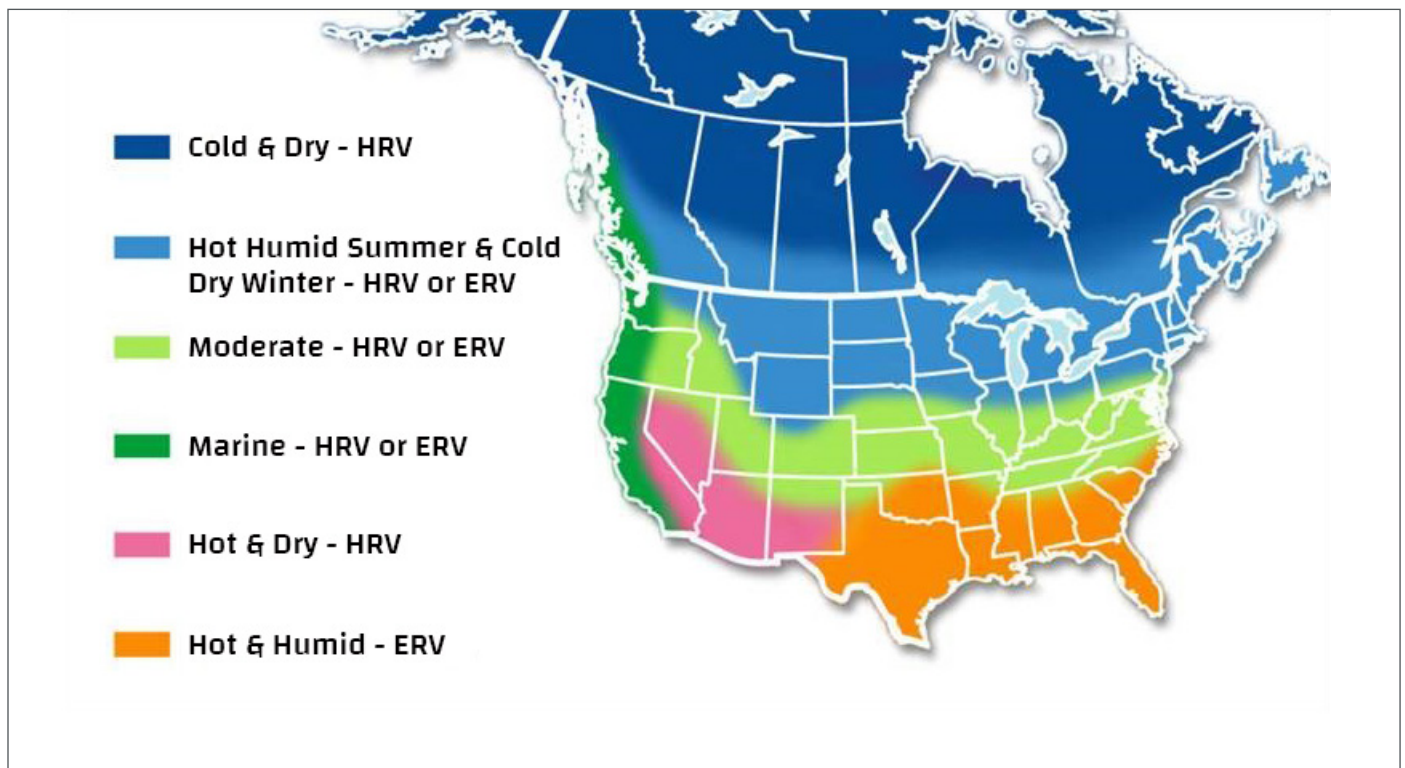
PARTNERSHIPS

Our business is about the people who design, build, create, repair, install, sell, service, specify, purchase and use our products. It is an enduring commitment to provide the best training, support and service. Lifebreath is about lasting partnerships that thrive and grow together.



INDEX	
Residential ERVs & HRVs	
ERV Series	6
MAX Series	15
RNC Series	25
Lifebreath Accessories	
Controls & Timers	42
Easy Air Grilles & Fittings	43
Installation & Ventilation	44
Commercial ERVs & HRVs	
ERV Series	46
HRV Series	52
Large HRV Series	61
CAF Series	67
AH Series	70
TFP Series	73
Residential Installation Methods	
Simplified	78
Partially	79
Fully	80
Terms & Conditions	82

ERV AND HRV NORTH AMERICAN CLIMATE ZONE MAP



ZONE 1: True North - Cold Winter and Dry Summer - HRV

HRV is best for a very cold and prolonged winter season as the robust aluminum HRV core will have a long life.

ZONE 2: US Canada Border - Cold Winter and Hot Humid Summer - HRV or *ERV with Defrost

HRV is best for a cold or prolonged winter.

ERV will help reduce the AC load in the summer by transferring moisture. ERV needs a defrost system for areas experiencing cold (freezing) winter temperatures.

ZONE 3: Central US - Moderate Climate - HRV or ERV

HRV and ERV will work equally well.

ERV will help reduce the AC load in the summer by transferring moisture. ERV does not require a cold weather defrost system.

ZONE 4: Marine Climate - HRV or ERV

Humidity and temperature are moderated by HRV or ERV.

ERV typically does not need a cold winter defrost system with some exceptions in mountainous areas.

ZONE 5: Arid - Hot and Dry - HRV

HRV will transfer energy summer and winter. With little moisture to transfer an ERV is not needed.

ZONE 6: Gulf Region - Hot and Humid - ERV

ERV is recommended. Primary benefit is transferring energy and moisture throughout summer and winter without negatively impacting AC load.

ERV SERIES

Residential Energy Recovery Ventilators

Lifebreath Residential ERVs are the best choice for ventilating homes or workplaces.

These units are designed to provide fresh air into the building while exhausting an equal amount of stale air to the outside.

Energy as well as moisture is transferred between the air streams, reducing the loads on the heating and cooling equipment while delivering the air comfortably and quietly into the space.



ERV SERIES

MODEL SELECTION

Model	Dimensions H x W x D (in.)	Airflow CFM (L/s)			Sensible Efficiency	Highlights
		.2 (50 PA)	.3 (75 PA)	.4 (100 PA)		
30 ERV	19.25 x 17.8 x 18.75	68 (32)	63 (30)	57 (27)	70% 55 CFM (26 L/s)	Unique super compact design easily fits into closets, cupboards or wherever space is limited. 2 speed unit with high speed selectable, top port ducting and built in ERV section for ease of installation and service. 120/1 /60
METRO 120 ERV	19.375 x 20.75 x 9.75	133 (63)	129 (61)	125 (59)	72% 49 CFM (23 L/s)	Ultra slim cabinet, only 9.75 in thick. Fits in drop down ceilings and ideally suited for condos and high rise projects or space constrained mechanical rooms. Easy access panel for service. Unit provides factory set balancing suitable for most installations.
130 ERVD	17.25 x 22.75 x 14	155 (73)	147 (69)	137 (65)	75% 64 CFM (30 L/s)	Top port, compact design. Unit features intelligent defrost damper motor HVI certified for cold weather, offers 3 selectable high speed settings and automatic frost prevention. SRE @ -25°C (-13°F): 60% 70 CFM (33 L/s)
170 ERVD	18.75 x 33.625 x 15	184 (87)	172 (81)	161 (76)	75% 65 CFM (31 L/s)	Top port, high-efficiency unit features intelligent defrost damper motor exclusive to Lifebreath. Our premium ERV is HVI certified for cold weather, offers 3 selectable high-speed settings and automatic frost prevention. SRE @ -25°C (-13°F): 57% 65 CFM (31 L/s)



ERV SERIES

ENERGY RECOVERY VENTILATOR

ENGINEERING DATA: 30ERV, METRO120ERV, 130ERV, 170ERV

TOTAL RECOVERY CORE

Cross-flow energy recovery core transfers heat and water vapor between two air streams. Easily removed for cleaning or service.

MOTORS AND BLOWERS

Each air stream has an independent motorized impeller with multiple fan speed operation.

INTELLIGENT DEFROST DAMPER MOTOR – 130 ERV ONLY

- Smart damper motor with integrated circuit board
- Energy efficient DC motor
- Power saving standby mode when not cycling
- Integrated ice breaker technology
- Temperature compensated torque for reliable operation in any application
- Auto-sensed memory storage of opened and closed positions
- Soft sealing for extended part life

FILTERS

Washable pre-filters in exhaust and supply air streams.

MOUNTING THE ERV

Adjustable hanging straps supplied with unit.

FROST PREVENTION

Temperature sensor activated

30 ERV, METRO 120ERV - periodically shuts down supply motor. Drains not required.

130 ERV and 170 ERV- recirculating damper defrost. Drains required.

CASE

Twenty gauge pre-painted galvanized steel for superior corrosion resistance. Insulated to prevent exterior condensation.

INSTALLER SELECTABLE HIGH SPEED SETTINGS

Highest speed, "H3" is the factory setting. Installers may select a lower high speed on set up.

CONTROLS

FEATURES	99-DXPLO2	99-BC02	99-BC03	99-BC04
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	✓	✓	✓	✓

ACCESSORIES

99 DH01

Dehumidistat - Initiates high speed ventilation when the indoor humidity level is above the set point. (3 wire) 20 gauge wire (min.) 100 ft. length.

99-194 DUAL HOOD (4 IN.)

Suitable for 4 in. connections.

99-190 DUAL HOOD (5 IN.)

Suitable for 5 in. connections.

99-184 WEATHERHOODS

Two - 4 in. (102 mm) c/w 1/4 in. (6 mm) mesh screen.

99-185 WEATHERHOODS

Two - 5 in. (125 mm) c/w 1/4 in. (6 mm) mesh screen.

99-186 WEATHERHOODS

Two - 6 in. (150 mm) c/w 1/4 in. (6mm) mesh screen.

TIMERS

99-DET01

LIFEBREATH 20/40/60 MINUTE TIMER

Initiates high speed Ventilation for 20, 40 or 60 minutes. 3 wire connection.

99-DET02 Exclusive to Lifebreath

WIRELESS LIFEBREATH 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 ft. approximate range.

99-RX02

WIRELESS LIFEBREATH 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.



**ISO
9001
REGISTERED**

WARRANTY

Units carry a 5 year warranty on the enthalpic (ERV) core and a 5 year replacement parts warranty.

All units conform to CSA and UL standards

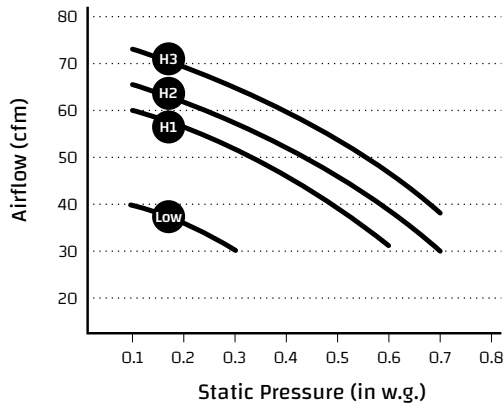
30 ERV

ENERGY RECOVERY VENTILATOR

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)
Net Supply Airflow	72 (34)	68 (32)	63 (30)	57 (27)	50 (24)	43 (20)	36 (17)
Gross Supply Airflow	138 (65)	136 (64)	131 (62)	127 (60)	121 (57)	117 (55)	110 (52)
Gross Exhaust Airflow	138 (65)	133 (63)	129 (61)	125 (59)	121 (57)	114 (54)	110 (52)

Sensible Effectiveness (ASE) @ 55 CFM (26 L/s)	32°F (0°C)	78%
Sensible Efficiency (SRE) @ 55 CFM (26 L/s)	32°F (0°C)	70%
Sensible Efficiency (TRE) @ 63 CFM (30 L/s)	90°F (35°C)	48%



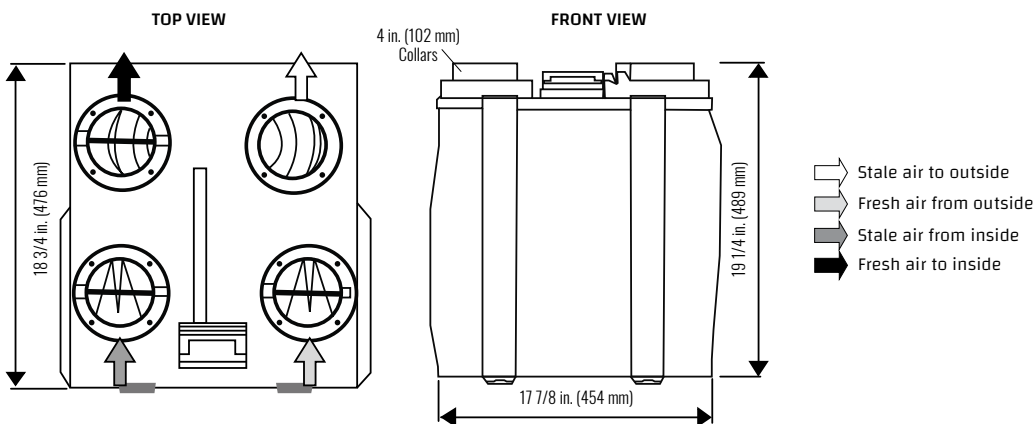
ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	44
Watts / High Speed	57
Amp Rating	0.48

WEIGHT:
33 LBS (15 KG)

SHIPPING WEIGHT:
36 LBS (16 KG)

NOTE:
Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 4 in. (102 mm) round collars. Balancing dampers are located in all air streams.

DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood
99-190
99-194

Weather Hoods
99-185
99-186
99-187

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

Terminator Fitting
99-TM4
99-TM5
99-TM6

Kitchen Grille
10-002

Wireless 20/40/60 Min Timer
99-DET02

20/40/60 Min Timers
99-DET01

METRO 120 ERV

ENERGY RECOVERY VENTILATOR

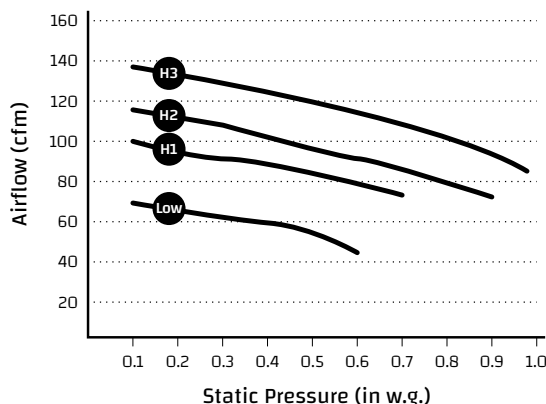


PERFORMANCE (HVI CERTIFIED)

IN. W.G. (PA)	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	133 (63)	129 (61)	125 (59)	119 (56)	114 (54)	108 (51)	102 (48)	93 (44)
Gross Supply Airflow	136 (64)	131 (62)	127 (60)	121 (57)	117 (55)	110 (52)	102 (48)	93 (44)
Gross Exhaust Airflow	133 (63)	129 (61)	125 (59)	121 (57)	114 (54)	110 (52)	104 (49)	95 (45)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	60
Watts / High Speed	154
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 49 CFM (23 L/s)	32°F (0°C)	83%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	71%
Sensible Efficiency (SRE) @ 49 CFM (23 L/s)	32°F (0°C)	72%
Total Efficiency (TRE) @ 64 CFM (30 L/s)	65°F (35°C)	45%



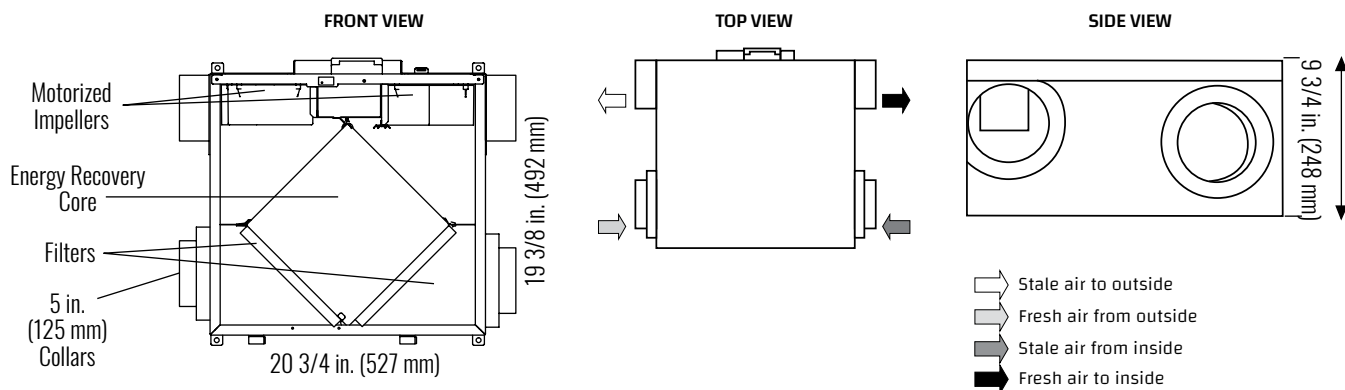
WEIGHT:
34 LBS (15.5 KG)

SHIPPING WEIGHT:
36 LBS (16 KG)

NOTE:
Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 5 in. (125 mm) round collars.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood
99-190
99-194

Weather Hoods
99-185
99-186
99-187

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

Terminator Fitting
99-TM4
99-TM5
99-TM6

Kitchen Grille
10-002

Wireless 20/40/60 Min Timer
99-DET02

20/40/60 Min Timers
99-DET01

METRO 120 ERVD

ENERGY RECOVERY VENTILATOR

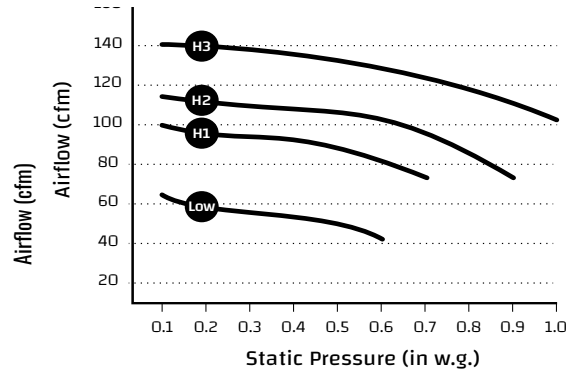


PERFORMANCE (HVI CERTIFIED)

IN. W.G. (PA)	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	135 (64)	131 (62)	126 (60)	122 (58)	118 (56)	113 (53)	108 (51)	102 (48)
Gross Supply Airflow	135 (64)	131 (62)	127 (60)	122 (58)	118 (56)	113 (53)	108 (51)	102 (48)
Gross Exhaust Airflow	134 (63)	130 (61)	125 (59)	121 (57)	116 (55)	111 (52)	105 (49)	97 (46)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	62
Watts / High Speed	158
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 49 CFM (23 L/s)	32°F (0°C)	83%
Sensible Efficiency (SRE) @ 49 CFM (23 L/s)	32°F (0°C)	72%
Sensible Efficiency (SRE) @ 64 CFM (23 L/s)	32°F (0°C)	71%
Sensible Efficiency (SRE) @ 64 CFM (23 L/s)	-13°F (-25°C)	60%
Total Efficiency (TRE) @ 64 CFM (30 L/s)	95°F (35°C)	45%



WEIGHT:
37 LBS (16.8 KG)

SHIPPING WEIGHT:
39 LBS (17.7 KG)

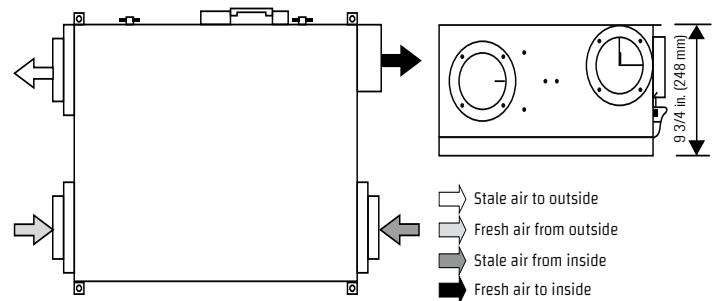
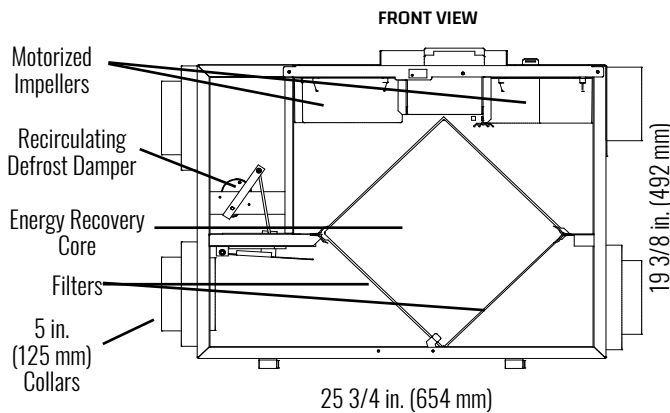
NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 5 in. (125 mm) round collars.



Static Pressure (in w.g.)

DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood
99-190
99-194



Weather Hoods
99-185
99-186
99-187



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



Terminator Fitting
99-TM4
99-TM5
99-TM6



Kitchen Grille
10-002



Wireless 20/40/60 Min Timer
99-DET02

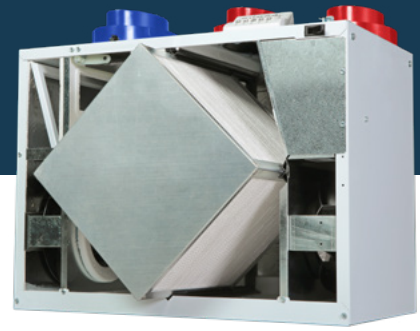


20/40/60 Min Timers
99-DET01



130 ERVD

ENERGY RECOVERY VENTILATOR

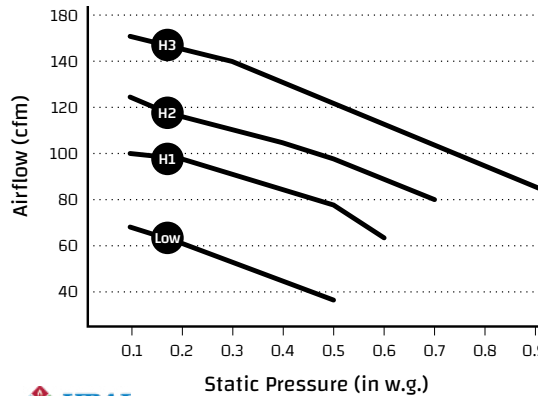


PERFORMANCE (HVI CERTIFIED)

IN. W.G. (PA)	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	155 (73)	146 (69)	138 (65)	127 (60)	117 (55)	104 (49)	93 (44)	83 (39)
Gross Supply Airflow	157 (74)	148 (70)	140 (66)	128 (61)	117 (55)	106 (50)	95 (45)	85 (40)
Gross Exhaust Airflow	140 (66)	131 (62)	123 (58)	114 (54)	106 (50)	97 (46)	89 (42)	81 (38)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	66
Watts / High Speed	102
Amp Rating	1.7

Sensible Effectiveness (ASE) @ 64 CFM (30 L/s)	32°F (0°C)	86%
Sensible Efficiency (SRE) @ 48 CFM (23 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 65 CFM (31 L/s)	-13°F (-25°C)	60%
Total Efficiency (TRE) @ 66 CFM (31 L/s)	65°F (35°C)	48%



WEIGHT:
51 LBS (23 KG)

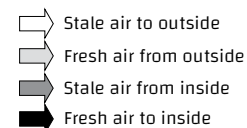
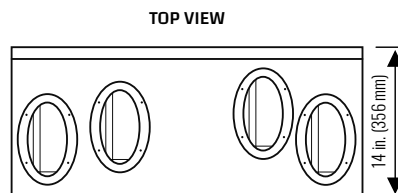
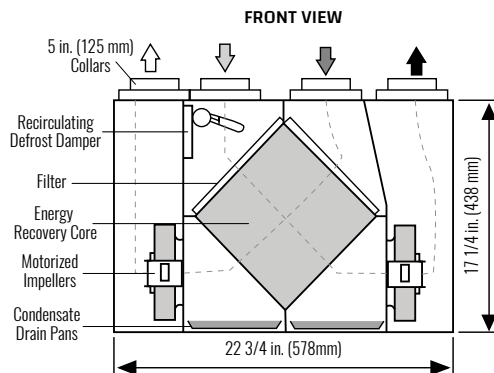
SHIPPING WEIGHT:
54 LBS (25 KG)

NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit.
All ducts use 5 in. (125 mm) round collars. Balancing dampers are located on all collars.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood



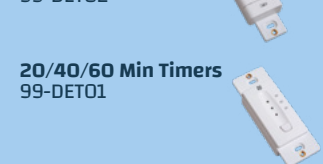
TechGrille



Kitchen Grille



Wireless 20/40/60 Min Timer



170 ERVD

ENERGY RECOVERY VENTILATOR

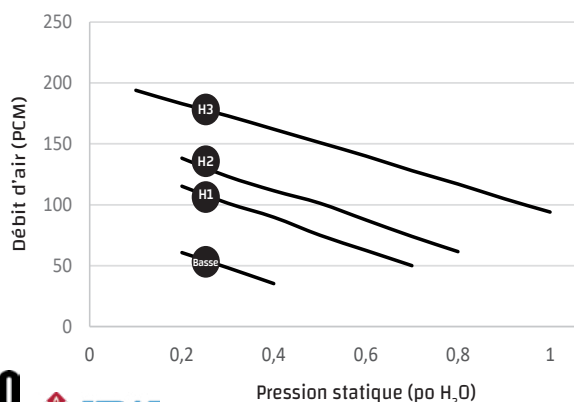


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	195 (93)	184 (87)	172 (81)	161 (76)	150 (71)	140 (66)	129 (61)	117 (55)
Gross Supply Airflow	195 (92)	184 (87)	174 (82)	163 (77)	153 (72)	140 (66)	129 (61)	117 (55)
Gross Exhaust Airflow	180 (85)	170 (80)	161 (76)	150 (71)	142 (67)	131 (62)	123 (58)	112 (53)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	62
Watts / High Speed	142
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 64 CFM (30 L/s)	32°F (0°C)	85%
Sensible Efficiency (SRE) @ 65 CFM (31 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 50 CFM (24 L/s)	32°F (0°C)	76%
Total Efficiency (TRE) @ 64 CFM (30 L/s)	95°F (35°C)	48%
Sensible Efficiency (SRE) @ 68 CFM (32 L/s)	-13°F (-25°C)	58%



WEIGHT:
57 LBS (25.8 KG)

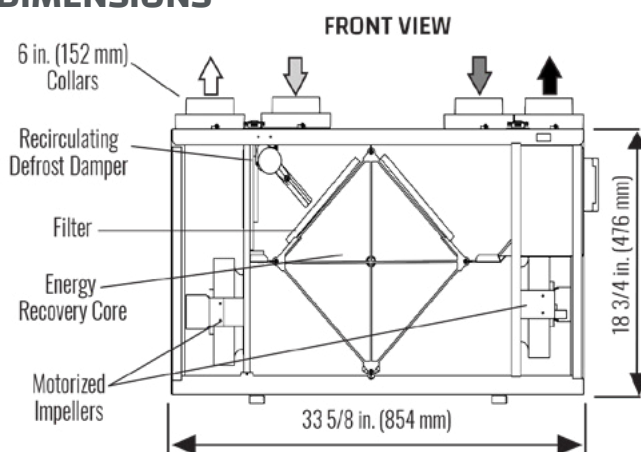
SHIPPING WEIGHT:
67 LBS (30 KG)

NOTE:

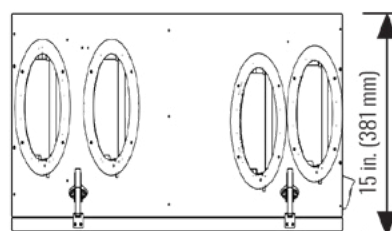
Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 6 in. (152 mm) oval collars, balancing dampers are located on all collars.



DIMENSIONS



TOP VIEW



- Stale air to outside
- Fresh air from outside
- Stale air from inside
- Fresh air to inside

OPTIONAL ACCESSORIES:

Weather Hoods

99-185
99-186
99-187



TechGrille

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



Terminator Fitting

99-TM4
99-TM5
99-TM6



Kitchen Grille

10-002



Wireless 20/40/60 Min Timer

99-DET02



20/40/60 Min Timers

99-DET01



ACCESSORIES

ACCESSORY	FEATURES	PART NUMBER	DESCRIPTION
BC04 Control 	• 2 Speed fan settings (low1/high2) • Standby setting (fan speed 0) • Compatible with wireless timer (99-DET02) • 2 operational modes 20 on / 40 off 20 on / 40 recirculation	99-BC04	Similar to the BC02 Ideal for ERVs
Dual Hood 	• Requires only one 6 in. opening for intake/ exhaust • Robust design, damage resistant metal construction for exterior wall connection • Durable rigid plastic for duct connections	99-190 99-194	A breakthrough design. Requires only one 6 in. opening for intake/exhaust connections. Ideal for space constrained HRV or ERV applications Limited to 100CFM *confirm acceptance by local code authorities
Weatherhood Kits 	• High density polyethylene for long life even in severe climates • Screens include to block entry by small animals, large insects • No moving parts, eliminates freezing or sticking potential	99-185 99-185LT 99-186 99-187 99-186LT	Ideal for HRV, ERV and Inline apps. Two 5 in. diameter hoods, 12 in. wall sleeve, duct collar, white plastic As above - 6 in. option As above - 7 in. option Two 6 in. diameter hoods without sleeve or collar
Techgrille™ 	• Fully adjustable ventilation grille centre adjustment cone spins in/out providing variable ventilation • Compression spring tabs clip the grille into 4 in., 5 in., 6 in. or 8 in. round ducts • White, non-corrosive material	99-EAG4 99-EAG5 99-EAG6 99-EAG8	4 in. Diameter 5 in. Diameter 6 in. Diameter 8 in. Diameter
Terminator Fittings 	• Black plastic • Adapts to 4 in., 5 in. and 6 in. Tech Grille • Suitable for ceiling or wall applications	99-TM4 99-TM5 99-TM6	4 in. Ceiling/Wall Fitting 5 in. Ceiling/Wall Fitting 6 in. Ceiling/Wall Fitting
Stack Head Elbows 	• Adapts to 4 in./6 in. Tech Grille • Fits neatly in 2 in. x 4 in. & 2 in. x 6 in. walls • Quick rough-in and easy to secure	99-WF4 99-WF6	4 in. Plastic Elbow 6 in. Plastic Elbow

MAX SERIES

Residential Heat Recovery Ventilators



95 MAX



100 ECM
155 MAX



195 DCS

MAX SERIES

HEAT RECOVERY VENTILATOR



HRV DESCRIPTION							
Model	Dimensions H x W x D (in.)	Airflow CFM (L/s)			Apparent Sensible Effectiveness (ASE) @0°C (32°F)	Sensible Recovery Efficiency (SRE) @0°C (32°F)	Highlights
		.2 (50 PA)	.3 (75 PA)	.4 (100 PA)			
95 MAX*	Recirculating Defrost 25 x 18.5 x 16	66 (31)	64 (30)	59 (28)	88% 60 CFM (28 L/s)	75% 60 CFM (28 L/s)	Top port, compact unit. Ideally suited for tight installations. Highest efficiency in its class. 
100 ECM*	Recirculating Defrost 18.75 x 33.62 x 14.75	143 (68)	129 (61)	114 (54)	78% 64 CFM (30 L/s)	71% 64 CFM (30 L/s)	Features a highly efficient energy saving ECM motor, door port balancing and the new high efficiency HEX core. 
155 MAX*	Recirculating Defrost 18.75 x 33.62 x 14.75	163 (77)	146 (69)	132 (62)	84% 64 CFM (30 L/s)	75% 64 CFM (30 L/s)	Horizontal model with door port balancing. Featuring the new high efficiency HEX core. Also available in reverse design (155 MAX-RX). 
205 MAX*	Recirculating Defrost 18.75 x 33.62 x 15	193 (91)	182 (86)	172 (81)	85% 64 CFM (30 L/s)	76% 64 CFM (30 L/s)	New top port design for flexible installations with door port balancing featuring the new high efficiency HEX core. 
267 MAX*	Recirculating Defrost 18.75 x 33.62 x 15	273 (129)	267 (126)	261 (123)	80% 64 CFM (30 L/s)	75% 64 CFM (30 L/s)	Highest airflow available in a single core ECM powered HRV. Offers maximum heat recovery and efficiency. Ideal for large custom homes and fully dedicated installations. 
195 DCS*	Damper Defrost 18.75 x 49 x 14.75	195 (92)	181 (85)	158 (74)	86% 114 CFM (54 L/s)	82% 73 CFM (35 L/s)	Double core system for maximum heat recovery and energy efficiency. 

*This product earned the ENERGY STAR by meeting strict energy efficiency guidelines set by Natural Resources Canada and the US EPA. This meets ENERGY STAR requirements only when used in Canada.



MAX SERIES

HEAT RECOVERY VENTILATOR

ENGINEERING DATA: 95MAX, 100ECM, 155MAX, 155MAXRX, 205MAX, 267MAX, 195DCS

THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE

Heat recovery core transfers heat between the two air streams. Easily removed for cleaning or service.

CROSS-FLOW CORE DESIGN

95 MAX, 195 DCS, 195 ECM, 300 DCS

COUNTER-FLOW CORE DESIGN

100 ECM, 155 MAX, 155 MAX RX, 205 MAX & 267 MAX: Counter-flow heat recovery core.

MOTORS AND BLOWERS

5 speed fan operation - one centrifugal blower in each airstream driven by either a common ECM or PSC motor, or two independent motorized impellers, or EC impellers.

PCS: 95 MAX, 155 MAX, 205 MAX, 195 DCS, 300 DCS

ECM: 100 ECM, 267 MAX, 195 ECM

FILTERS

Washable air filters in exhaust and supply air streams.

MOUNTING

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

DEFROST - 2 STYLES

Recirculating and non-recirculating damper defrost systems.

CASE

Twenty gauge prepainted galvanized steel for superior corrosion resistance. Insulated to prevent exterior condensation. Drain connections 2 - 1/2 in. (12 mm) OD. Door balancing ports available on 100 ECM, 155 MAX, 205 MAX and 267 MAX.

ELECTRONICS

The 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

FEATURES	99-DXPLO2	99-BC02	99-BC03	99-BC04
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	✓	✓	✓	✓

ACCESSORIES

99-190 DUAL HOOD

One 6 in. (152 mm) opening for supply and exhaust.

Tested by: National Research Council
Program: Building Regulations for Market
Access. Report Number: A1-007793.
Report Date: 15 February 2016. Found to
comply with requirement as set in the NBC.

For more options, see accessory section on page 42.

99-185 WEATHERHOODS

Two - 5 in. comes with 1/4 in. mesh screen for 95 MAX.

99-186 WEATHERHOODS

Two - 6 in. for all other MAX series units.
Many more accessory options available.

TIMERS

99-DET01

LIFEBREATH 20/40/60 MINUTE TIMER

Initiates high speed Ventilation for 20, 40 or 60 minutes. 3 wire connection.

99-DET02 Exclusive to Lifebreath

WIRELESS LIFEBREATH 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 ft. approximate range.

99-RX02

WIRELESS LIFEBREATH 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-DXPLO2



99-DET02



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.

95 MAX

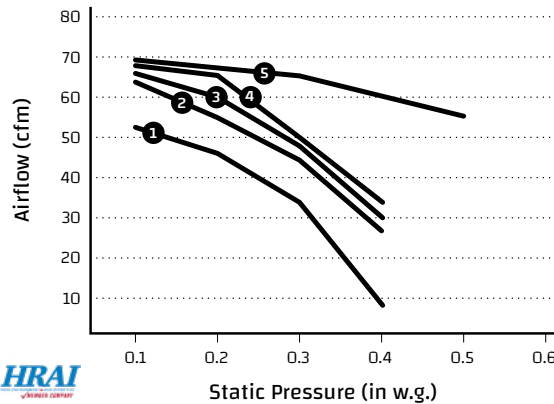
HEAT RECOVERY VENTILATOR

PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	68 (32)	66 (31)	64 (30)	59 (28)	55 (26)
Gross Supply Airflow	76 (36)	72 (34)	70 (33)	66 (31)	61 (29)
Gross Exhaust Airflow	87 (41)	85 (40)	83 (39)	78 (37)	76 (36)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	59
Watts / High Speed	89
Amp Rating	.9

Sensible Effectiveness (ASE) @ 60 CFM (28 L/s)	32°F (0°C)	88%
Sensible Efficiency (SRE) @ 60 CFM (28 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 71 CFM (33 L/s)	32°F (0°C)	73%
Sensible Efficiency (SRE) @ 61 CFM (29 L/s)	-13°F (-25°C)	68%



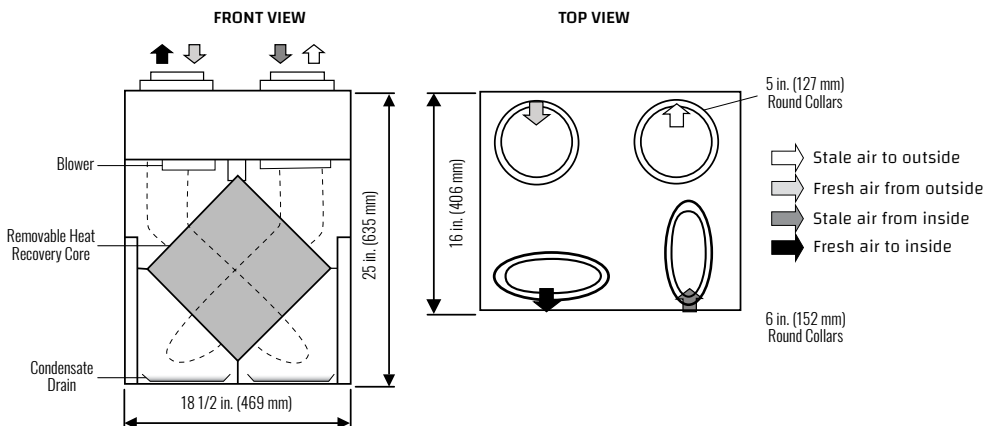
WEIGHT:
52 LBS (23.6 KG)

SHIPPING WEIGHT:
56 LBS (25.4 KG)

NOTE:
Front clearance of 25 in. (635 mm) is recommended for servicing unit. Round duct connections are 5 in. (127 mm) and oval collars use 6 in. (152 mm) connections.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood 99-190



Weather Hoods 99-185



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



Terminator Fitting 99-TM4 99-TM5 99-TM6



Kitchen Grille 10-002



Wireless 20/40/60 Min Timer 99-DET02



20/40/60 Min Timers 99-DET01



100 ECM HEAT RECOVERY VENTILATOR

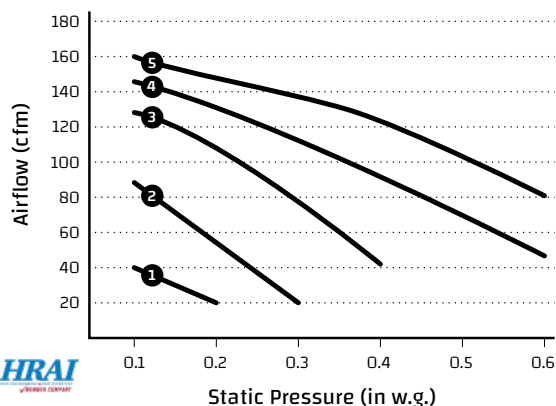


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	161 (76)	143 (68)	129 (61)	114 (54)	97 (46)	78 (37)
Gross Supply Airflow	165 (78)	147 (69)	131 (62)	117 (55)	102 (48)	81 (38)
Gross Exhaust Airflow	229 (108)	215 (101)	210 (99)	203 (96)	184 (87)	142 (67)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	40
Watts / High Speed	115
Amp Rating	1.75

Sensible Effectiveness (ASE) @ 64 CFM (30 L/s)	32°F (0°C)	78%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	71%
Sensible Efficiency (SRE) @ 95 CFM (45 L/s)	32°F (0°C)	69%
Sensible Efficiency (SRE) @ 68 CFM (32 L/s)	-13°F (-25°C)	63%



WEIGHT:
71 LBS (32 KG)

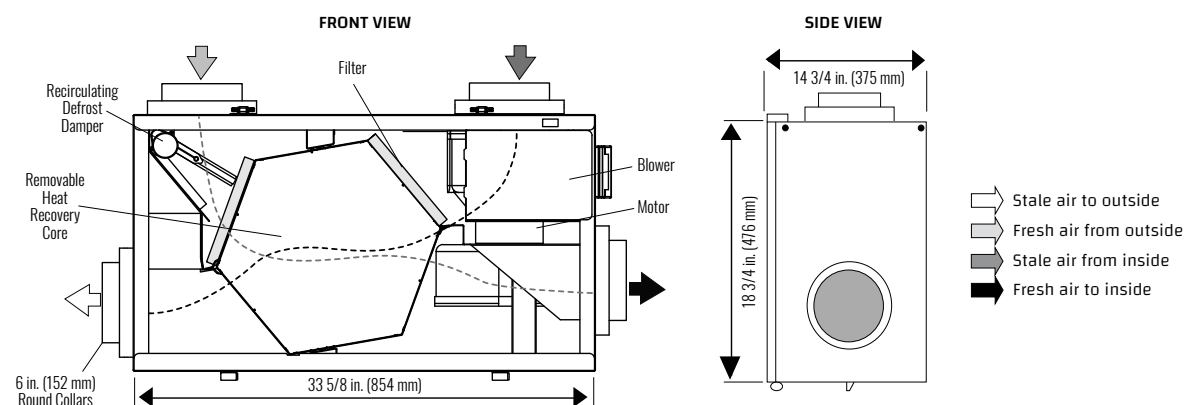
SHIPPING WEIGHT:
73 LBS (33 KG)

NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 6 in. (152 mm) round collars. Balancing dampers are located in all air streams.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood 99-190



Weather Hoods 99-186



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



Terminator Fitting 99-TM4 99-TM5 99-TM6



Kitchen Grille 10-002



Wireless 20/40/60 Min Timer 99-DET02



20/40/60 Min Timers 99-DET01



155 MAX

HEAT RECOVERY VENTILATOR

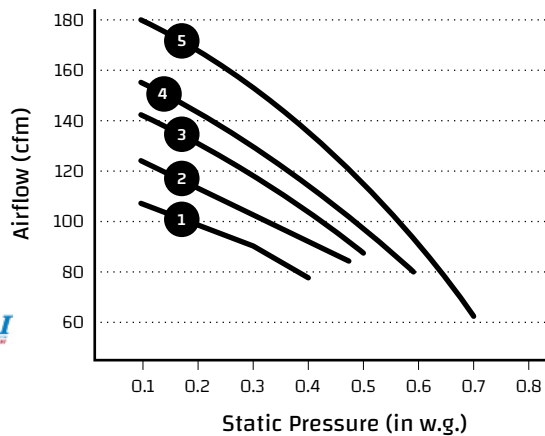


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	184 (87)	163 (77)	146 (69)	132 (62)	115 (54)	92 (43)	60 (28)
Gross Supply Airflow	188 (87)	166 (78)	149 (70)	134 (63)	117 (55)	94 (44)	61 (29)
Gross Exhaust Airflow	239 (113)	228 (107)	212 (100)	193 (91)	172 (81)	150 (71)	126 (60)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	115
Watts / Low Speed	66
Watts / High Speed	118
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 59 CFM (28 L/s)	32°F (0°C)	84%
Sensible Efficiency (SRE) @ 59 CFM (28 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	-13°F (-25°C)	71%



WEIGHT:
71 LBS (32 KG)

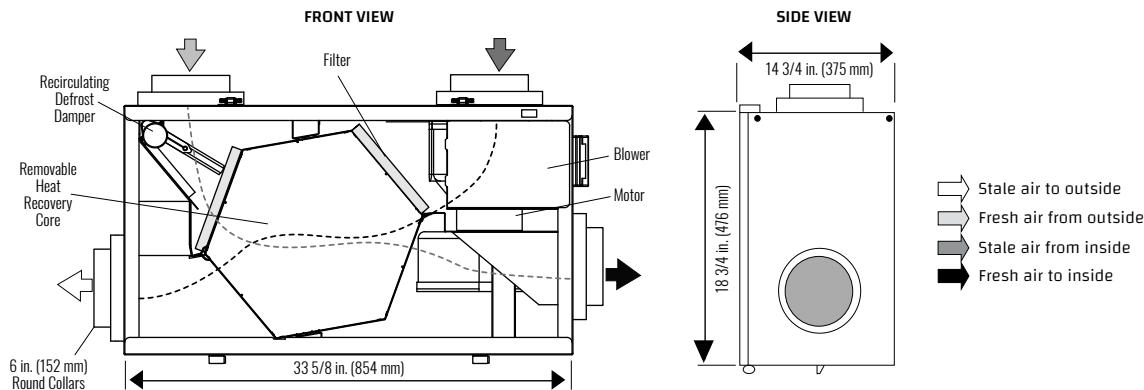
SHIPPING WEIGHT:
73 LBS (33 KG)

NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 6 in. (152 mm) round collars. Balancing dampers are located in all air streams.



DIMENSIONS



OPTIONAL ACCESSORIES:

Weather Hoods

99-185
99-186
99-187



TechGrille

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



Terminator Fitting

99-TM4
99-TM5
99-TM6



Kitchen Grille

10-002



Wireless 20/40/60

Min Timer
99-DET02



20/40/60 Min Timers
99-DET01



205 MAX

HEAT RECOVERY VENTILATOR

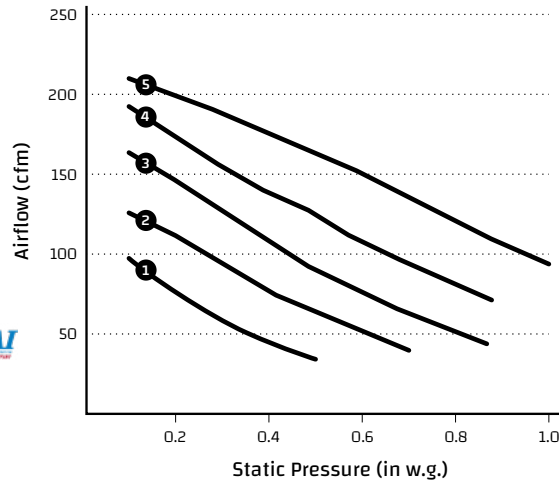


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	203 (96)	193 (91)	182 (86)	172 (81)	159 (75)	148 (70)	136 (64)
Gross Supply Airflow	208 (98)	197 (93)	186 (88)	174 (82)	163 (77)	150 (71)	138 (65)
Gross Exhaust Airflow	212 (100)	199 (94)	186 (88)	172 (81)	159 (75)	144 (68)	129 (61)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	64
Watts / High Speed	96
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 64 CFM (30 L/s)	32°F (0°C)	85%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	76%
Sensible Efficiency (SRE) @ 100 CFM (47 L/s)	32°F (0°C)	73%
Sensible Efficiency (SRE) @ 103 CFM (48 L/s)	-13°F (-25°C)	70%



WEIGHT:
57 LBS (25.8 KG)

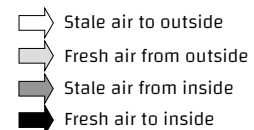
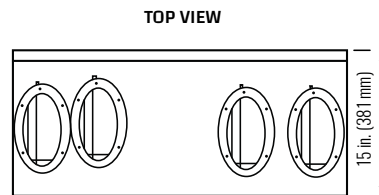
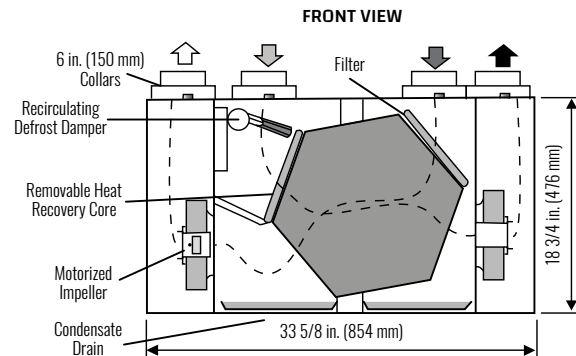
SHIPPING WEIGHT:
67 LBS (30 KG)

NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 6 in. (152 mm) oval collars, balancing dampers are located on all collars.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood
99-190
99-194



Weather Hoods
99-185
99-186
99-187



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



Terminator Fitting
99-TM4
99-TM5
99-TM6



Kitchen Grille
10-002



Wireless 20/40/60 Min Timer
99-DET02



20/40/60 Min Timers
99-DET01



267 MAX

HEAT RECOVERY VENTILATOR

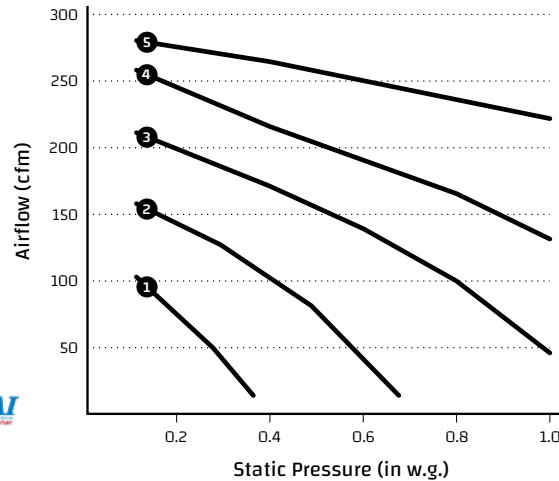


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	279 (132)	273 (129)	267 (126)	261 (123)	255 (120)	248 (117)	241 (114)	234 (111)
Gross Supply Airflow	283 (133)	277 (131)	271 (128)	264 (125)	258 (122)	251 (119)	245 (115)	238 (112)
Gross Exhaust Airflow	314 (148)	308 (145)	301 (142)	294 (139)	287 (135)	280 (132)	272 (129)	265 (125)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	22
Watts / High Speed	44
Amp Rating	4.5

Sensible Effectiveness (ASE) @ 64 CFM (30 L/s)	32°F (0°C)	80%
Sensible Effectiveness (ASE) @ 116 CFM (55 L/s)	32°F (0°C)	72%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 116 CFM (55 L/s)	32°F (0°C)	68%
Sensible Efficiency (SRE) @ 72 CFM (34 L/s)	-13°F (-25°C)	70%



WEIGHT:
57 LBS (25.8 KG)

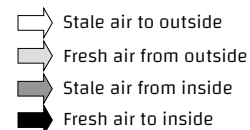
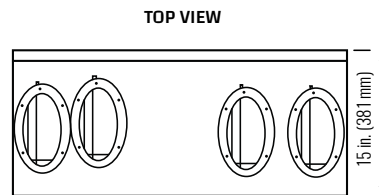
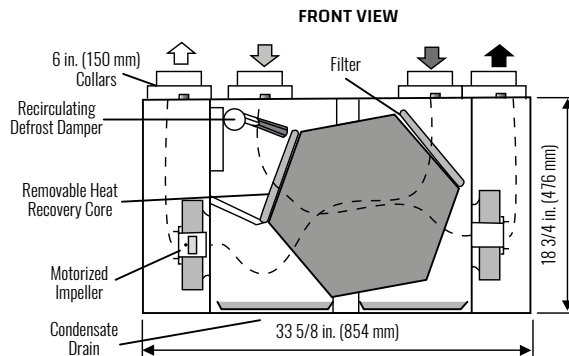
SHIPPING WEIGHT:
67 LBS (30 KG)

NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 6 in. (152 mm) oval collars, balancing dampers are located on all collars.



DIMENSIONS



OPTIONAL ACCESSORIES:

Weather Hoods

99-185
99-186
99-187



TechGrille

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



Terminator Fitting

99-TM4
99-TM5
99-TM6



Kitchen Grille

10-002



Wireless 20/40/60 Min Timer

99-DET02



20/40/60 Min Timers

99-DET01



195 DCS HEAT RECOVERY VENTILATOR

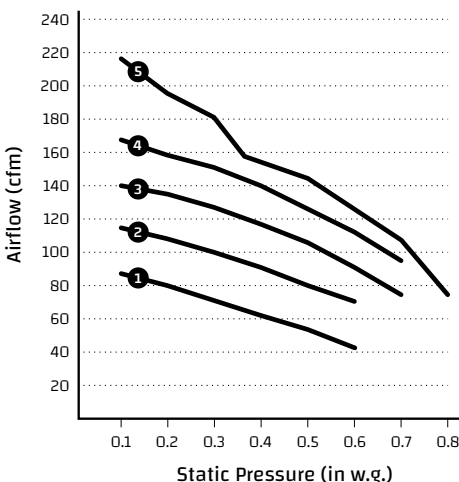


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	216 (101)	195 (92)	181 (85)	158 (74)	144 (68)	125 (59)	107 (50)	72 (34)
Gross Supply Airflow	229 (108)	207 (97)	193 (91)	168 (79)	153 (72)	133 (63)	114 (53)	76 (36)
Gross Exhaust Airflow	219 (103)	205 (96)	192 (90)	179 (84)	164 (77)	146 (69)	130 (61)	109 (51)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	74
Watts / High Speed	123
Amp Rating	1.5

Sensible Effectiveness (ASE) @ 73 CFM (35 L/s)	32°F (0°C)	92%
Sensible Efficiency (SRE) @ 73 CFM (35 L/s)	32°F (0°C)	82%
Sensible Efficiency (SRE) @ 98 CFM (46 L/s)	32°F (0°C)	78%
Sensible Efficiency (SRE) @ 112 CFM (53 L/s)	-13°F (-25°C)	72%



WEIGHT:
88 LBS (40 KG)

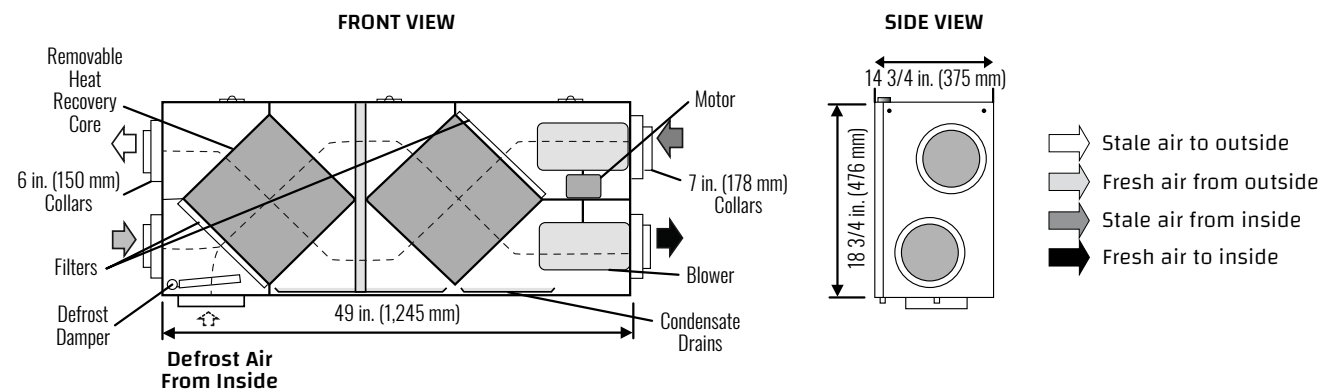
SHIPPING WEIGHT:
92 LBS (41.8 KG)

NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit. Outside ports, 6 in. (150 mm). Inside ports, 7 in. (178 mm).



DIMENSIONS



OPTIONAL ACCESSORIES:

Weather Hoods

99-185
99-186
99-187



TechGrille

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



Terminator Fitting

99-TM4
99-TM5
99-TM6



Kitchen Grille

10-002



Wireless 20/40/60 Min Timer

99-DET02

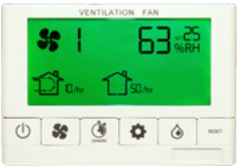


20/40/60 Min Timers

99-DET01



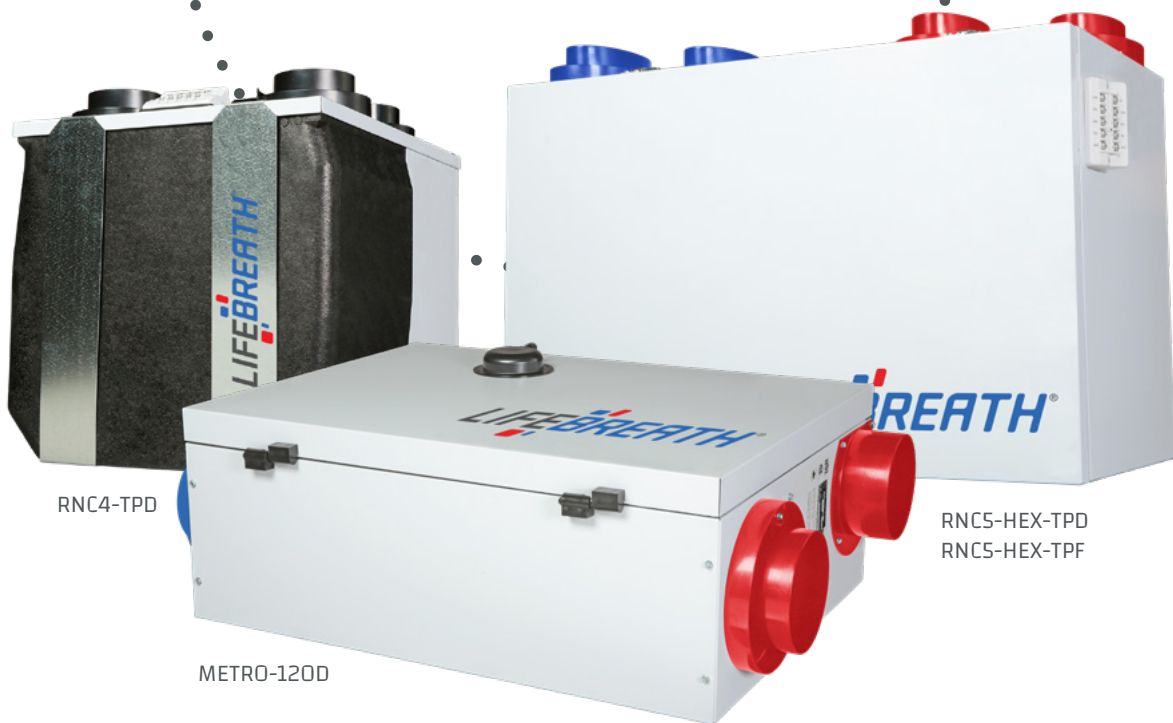
ACCESSORIES

ACCESSORY	FEATURES	PART NUMBER	DESCRIPTION
Hanging Straps 	• INCLUDED with all MAX & RNC products (except METRO models) • Easy mount system enables pre-assembly on floor • Adjustable clip simplifies leveling procedure	99-80-102	Includes 4 heavy duty straps and 4 s-hooks. 
Digital Wall Control 	• 5 fan speed settings • Standby setting • Electric dehumidistat • 20/40/60 High speed override button • Compatible with wireless timer (99-DET02) • Easy to read backlit LCD screen	99-DXPL02	Includes five selectable modes of operation: • Continuous Ventilation, • 20 Min. Ventilation / 40 min. Recirculation • 20 Min. Ventilation / 40 min. off • 10 Min. Ventilation / 50 min. off • Continuous Recirculation * Included with all MAX Series products
Wireless Timer 	• Initiates high speed ventilation 20,40 or 60 minutes • Wireless timers have an estimated range of 40 ft. • Compatible with Repeater (99-RX02)	99-DET02	Saves on installation time and cost. Can be surface or E-box mounted. Battery Included.
20/40/60 Minute Timer 	Connects to 3 wire 20 gauge low voltage wire	99-DET01	Initiates high speed ventilation 20, 40 or 60 minutes.
Balancing Kit 	Lifebreath HRV/ERV Balancing Kit	99-BAL-KIT	Includes hand held digital manometer, door plugs, gauge tube set and a custom Lifebreath tool bag.

For more options, see accessory section on page 44.

RNC SERIES

Residential Heat
Recovery Ventilators



RNC4-TPD

METRO-120D

RNC5-HEX-TPD
RNC5-HEX-TPF

RNC SERIES

HEAT RECOVERY VENTILATOR



COMPACT MODELS

Model	Dimensions H x W x D (in.)	Airflow CFM (L/s)			Apparent Sensible Effectiveness (ASE) @0°C (32°F)	Sensible Recovery Efficiency (SRE) @0°C (32°F)	Performance Highlights
		.2 (50 PA)	.3 (75 PA)	.4 (100 PA)			
RNC4-TPD*	Recirculating Defrost 19.25 x 17.8 x 18.75	70 (33)	64 (30)	57 (27)	76% 57 CFM (27 L/s)	69% 57 CFM (27 L/s)	Our smallest unit to date. Ideal for small homes and town homes with tight space requirements. Features a top port design, door port balancing, 4" duct connections and our patented high efficiency core. 
RNC4-TPF*	Fan Defrost 19.25 x 17.8 x 18.75	89 (42)	83 (39)	74 (35)	75% 56 CFM (30 L/s)	67% 55 CFM (26 L/s)	
METRO 120D	Recirculating Defrost 9.75 x 25.75 x 19.37	135 (64)	131 (62)	126 (60)	77% 65 CFM (31 L/s)	68% 65 CFM (31 L/s)	Ultra slim cabinet, only 9.75" thick. Fits in drop down ceilings and ideally suited for condos and high rise projects or space constrained mechanical rooms. Easy access panel for service. Unit provides factory set balancing suitable for most installations.
METRO 120F	Fan Defrost 9.75 x 20.75 x 19.37	135 (64)	130 (62)	126 (60)	77% 65 CFM (31 L/s)	68% 65 CFM (31 L/s)	
RNC5-TPD	Recirculating Defrost 17.25 x 22.75 x 14	156 (73)	149 (70)	136 (64)	74% 66 CFM (31 L/s)	61% 66 CFM (31 L/s)	Bestselling HRV of all time. Combines great performance in a compact design with very competitive pricing. 5" duct connections, top port design, door port balancing and 3 selectable high speed settings. Features our patented high efficiency core. RNC5-ES - Energy Star certified unit. 
RNC5-TPF	Fan Defrost 17.25 x 22.75 x 14	165 (77)	154 (73)	143 (67)	75% 64 CFM (30 L/s)	66% 64 CFM (30 L/s)	
RNC5-ES*	Recirculating Defrost 17.25 x 22.75 x 14	150 (71)	137 (65)	125 (59)	74% 65 CFM (31 L/s)	65% 65 CFM (31 L/s)	Featuring the patented HEX Core. The RNC5-HEX units offer higher efficiency with all the same great features as the RNC5 units. The units exceed Energy Star requirements and exceeds SRE for energy efficient homes/builder packages. 
RNC5-HEX-TPD*	Recirculating Defrost 18.75 x 29.25 x 15	104 (49)	95 (45)	89 (42)	82% 64 CFM (30 L/s)	75% 64 CFM (30 L/s)	
RNC5-HEX-TPF*	Fan Defrost 18.75 x 29.25 x 15	108 (51)	102 (48)	93 (44)	82% 64 CFM (30 L/s)	76% 64 CFM (30 L/s)	

STANDARD MODELS

Model	Dimensions H x W x D (in.)	Airflow CFM (L/s)			Apparent Sensible Effectiveness (ASE) @0°C (32°F)	Sensible Recovery Efficiency (SRE) @0°C (32°F)	Performance Highlights
		.2 (50 PA)	.3 (75 PA)	.4 (100 PA)			
RNC 95*	Recirculating Defrost 25 x 18.5 x 16	66 (31)	64 (30)	59 (28)	88% 60 CFM (28 L/s)	75% 60 CFM (28 L/s)	Top port, compact unit. Ideally suited for tight installations. 3 selectable high speed settings. Highest efficiency in its class. 
RNC 155*	Recirculating Defrost 19 x 33.6 x 14.75	163 (77)	146 (69)	132 (62)	84% 64 CFM (30 L/s)	75% 64 CFM (30 L/s)	Horizontal model with door port balancing and 3 selectable high speed settings. Featuring our patented high efficiency HEX core. 
RNC 200	Recirculating Defrost 19 x 33.6 x 14.75	216 (102)	203 (96)	191 (90)	74% 63 CFM (30 L/s)	65% 64 CFM (30 L/s)	Horizontal model with door port balancing. Suitable for larger homes and ideal for partially and fully dedicated installations.
RNC 205*	Recirculating Defrost 18.75 x 33.62 x 15	193 (91)	182 (86)	172 (81)	85% 64 CFM (30 L/s)	76% 64 CFM (30 L/s)	New top port design for flexible installations with door port balancing and 3 selectable high speed settings. Featuring our patented high efficiency HEX core. 

*This product earned the ENERGY STAR by meeting strict energy efficiency guidelines set by Natural Resources Canada and the US EPA. This meets ENERGY STAR requirements only when used in Canada.

RNC SERIES

HEAT RECOVERY VENTILATOR

ENGINEERING DATA: RNC4-TPD, RNC4-TPF, METRO 120D, METRO120F, RNC5-TPD, RNC5-TPF, RNC5-ES, RNC5-HEX-TPD, RNC5-HEX-TPF, RNC 95, RNC155, RNC200, RNC205

THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE

Heat recovery core transfers heat between the two airstreams. Easily removed for cleaning or service.

CROSS-FLOW CORE — RNC5-TPD, RNC5-TPF, RNC5-ES, RNC 95, RNC 200, RNC4-TPF

COUNTER-FLOW CORE — RNC4-TPD, METRO 120 D, METRO 120F, RNC5-HEX-TPD, RNC5-HEX-TPF, RNC 155 and RNC 205

MOTORS AND BLOWERS

Each air stream has one centrifugal blower driven by a common PSC motor or two independent motorized impellers

FILTERS

Washable air filters in exhaust and supply air streams.

MOUNTING

Four threaded inserts at corners of the cabinet designed to accept the "s" hooks and hanging straps supplied with the unit. (Metro units require mounting brackets not hanging straps).

DEFROST - 2 STYLES

Recirculating and fan defrost damper defrost systems.

CASE

Twenty gauge prepainted galvanized steel for superior corrosion resistance. Insulated to prevent exterior condensation. Drain connections 2 - 1/2 in. (12 mm) OD, one drain on METRO Series. Door balancing ports available on all units, except METRO 120D, METRO 120F, RNC 95.

ELECTRONICS

Optional controls can be wall mounted in a central location of the home. 3 wire 20 gauge (min.) 100 ft. length (max.).

CONTROLS

FEATURES	99-DXPLO2	99-BC02	99-BC03	99-BC04
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	✓	✓	✓	✓

ACCESSORIES

99-DH01

Dehumidistat - Initiates high speed ventilation when the indoor humidity level is above the set point. (3 wire) 20 gauge wire (min.) 100' length.

99-194 DUAL HOOD (4 IN.)

Suitable for 5 in. connections.

99-190 DUAL HOOD (5 IN.)

Suitable for 5 in. connections.

99-184 WEATHERHOODS

Two - 4 in. (102 mm) c/w 1/4 in. (6 mm) mesh screen.

99-185 WEATHERHOODS

Two - 5 in. (125 mm) c/w 1/4 in. (6 mm) mesh screen.

99-186 WEATHERHOODS

Two - 6 in. (150 mm) c/w 1/4 in. (6mm) mesh screen.

TIMERS

99-DET01

LIFEBREATH 20/40/60 MINUTE TIMER

Initiates high speed Ventilation for 20, 40 or 60 minutes. 3 wire connection.

99-DET02 Exclusive to Lifebreath

WIRELESS LIFEBREATH 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 ft. approximate range.

99-RX02

WIRELESS LIFEBREATH 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-BC02

99-BC03

99-BC04

99-DET02

99-DET01



WARRANTY

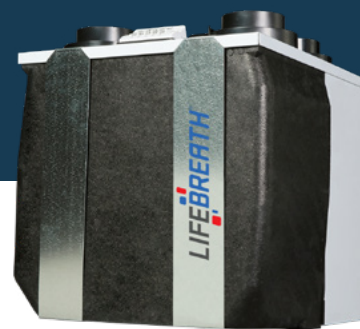
Units carry a lifetime warranty on the heat recovery core and a 5 year replacement parts warranty.

All units conform to CSA and UL standards.

For more options, see accessory section on page 42.

RNC4-TPD

HEAT RECOVERY VENTILATOR

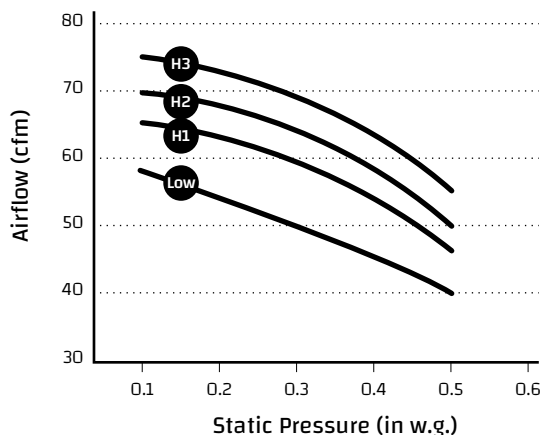


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	74 (35)	70 (33)	64 (30)	57 (27)	53 (25)
Gross Supply Airflow	74 (35)	70 (33)	66 (31)	59 (28)	53 (25)
Gross Exhaust Airflow	81 (38)	74 (35)	70 (33)	64 (30)	57 (27)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	38
Watts / High Speed	57
Amp Rating	.48

Sensible Effectiveness (ASE) @ 47 CFM (22 L/s)	32°F (0°C)	78%
Sensible Efficiency (SRE) @ 47 CFM (22 L/s)	32°F (0°C)	70%
Sensible Efficiency (SRE) @ 57 CFM (27 L/s)	32°F (0°C)	69%
Sensible Efficiency (SRE) @ 51 CFM (24 L/s)	-13°F (-25°C)	65%



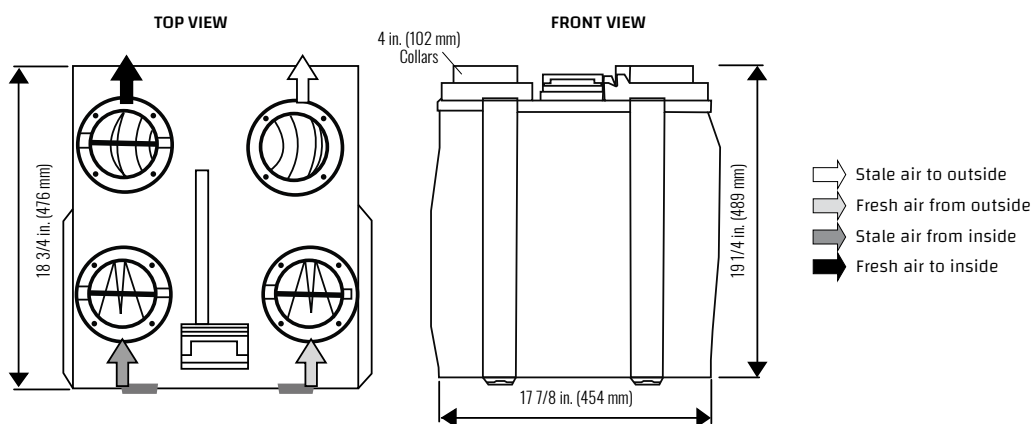
WEIGHT:
35 LBS (16 KG)

SHIPPING WEIGHT:
38 LBS (17 KG)

NOTE:
Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 4 in. (102 mm) round collars. Balancing dampers are located in both air streams.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood
99-190
99-194

Weather Hoods
99-185

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

Terminator Fitting
99-TM4
99-TM5
99-TM6

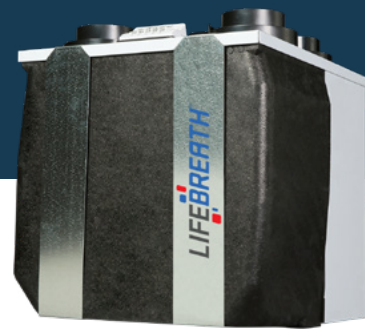
Kitchen Grille
10-002

Wireless 20/40/60 Min Timer
99-DET02

20/40/60 Min Timers
99-DET01

RNC4-TPF

HEAT RECOVERY VENTILATOR

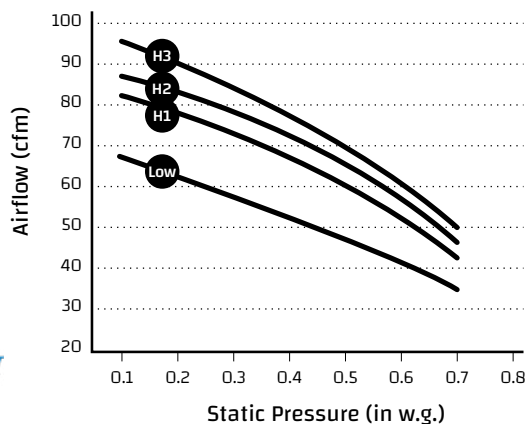


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	95 (45)	89 (42)	83 (39)	74 (35)	68 (32)	59 (28)	51 (24)
Gross Supply Airflow	95 (45)	89 (42)	83 (39)	76 (36)	68 (32)	59 (28)	51 (24)
Gross Exhaust Airflow	89 (42)	85 (40)	81 (38)	74 (35)	68 (32)	61 (29)	53 (25)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	38
Watts / High Speed	57
Amp Rating	.48

Sensible Effectiveness (ASE) @ 55 CFM (26 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 55 CFM (26 L/s)	32°F (0°C)	67%
Sensible Efficiency (SRE) @ 66 CFM (31 L/s)	32°F (0°C)	66%
Sensible Efficiency (SRE) @ 59 CFM (28 L/s)	-13°F (-25°C)	61%



WEIGHT:
35 LBS (16 KG)

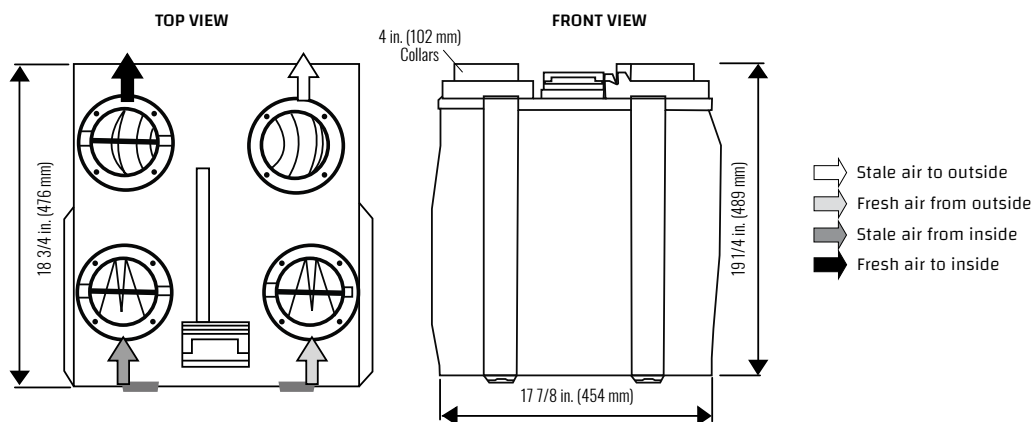
SHIPPING WEIGHT:
38 LBS (17 KG)

NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 4 in. (102 mm) round collars. Balancing dampers are located in both air streams.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood
99-190
99-194



Weather Hoods
99-185



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



Terminator Fitting
99-TM4
99-TM5
99-TM6



Kitchen Grille
10-002



Wireless 20/40/60 Min Timer
99-DET02



20/40/60 Min Timers
99-DET01



METRO 120D

HEAT RECOVERY VENTILATOR

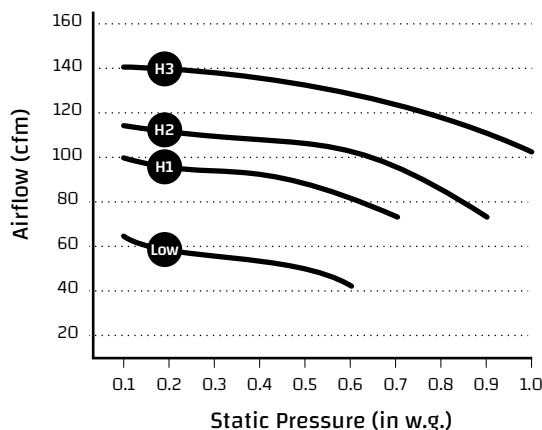


PERFORMANCE (HVI CERTIFIED)

IN. W.G. (PA)	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	135 (64)	131 (62)	126 (60)	122 (58)	118 (56)	113 (53)	108 (51)	102 (48)
Gross Supply Airflow	135 (64)	131 (62)	127 (60)	122 (58)	118 (56)	113 (53)	108 (51)	102 (48)
Gross Exhaust Airflow	134 (63)	130 (61)	125 (59)	121 (57)	116 (55)	111 (52)	105 (49)	97 (46)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	62
Watts / High Speed	158
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 48 CFM (23 L/s)	32°F (0°C)	81%
Sensible Effectiveness (ASE) @ 65 CFM (31 L/s)	32°F (0°C)	77%
Sensible Efficiency (SRE) @ 48 CFM (23 L/s)	32°F (0°C)	70%
Sensible Efficiency (SRE) @ 65 CFM (31 L/s)	32°F (0°C)	68%
Sensible Efficiency (SRE) @ 70 CFM (33 L/s)	-13°F (-25°C)	60%



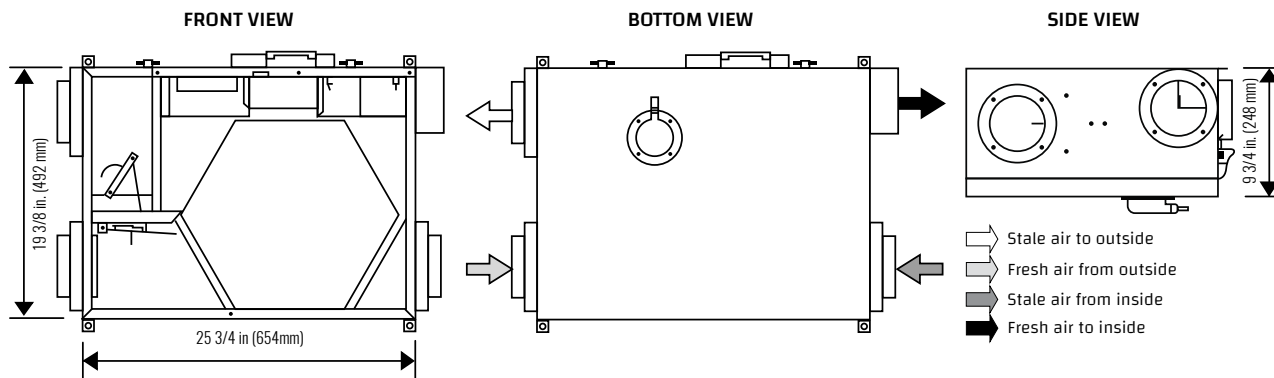
WEIGHT:
37 LBS (16.8 KG)

SHIPPING WEIGHT:
39 LBS (17.7 KG)

NOTE:
Front clearance of 25 in. (635 mm)
is recommended for servicing unit. All
ducts use 5 in. (125 mm) round collars.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood 99-190



Weather Hoods 99-185



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



Terminator Fitting 99-TM4 99-TM5 99-TM6



Kitchen Grille 10-002



Wireless 20/40/60 Min Timer 99-DET02



20/40/60 Min Timers 99-DET01



METRO 120F

HEAT RECOVERY VENTILATOR

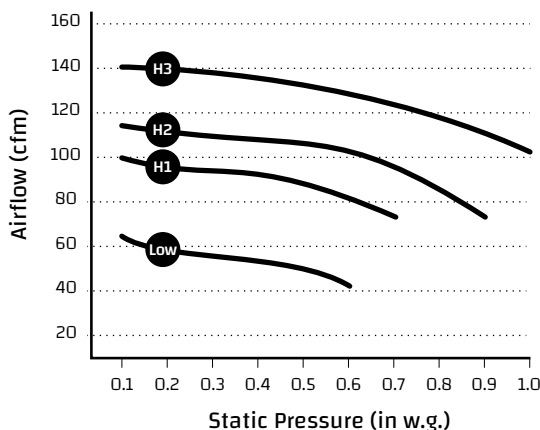


PERFORMANCE (HVI CERTIFIED)

IN. W.G. (PA)	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	135 (64)	130 (62)	126 (60)	122 (57)	117 (55)	112 (53)	106 (50)	100 (47)
Gross Supply Airflow	135 (64)	131 (62)	127 (60)	122 (58)	117 (55)	112 (53)	107 (50)	101 (47)
Gross Exhaust Airflow	135 (64)	132 (62)	128 (60)	124 (58)	119 (56)	115 (52)	110 (52)	105 (49)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	60
Watts / High Speed	154
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 48 CFM (23 L/s)	32°F (0°C)	80%
Sensible Effectiveness (ASE) @ 65 CFM (31 L/s)	32°F (0°C)	77%
Sensible Efficiency (SRE) @ 48 CFM (23 L/s)	32°F (0°C)	68%
Sensible Efficiency (SRE) @ 65 CFM (31 L/s)	32°F (0°C)	68%



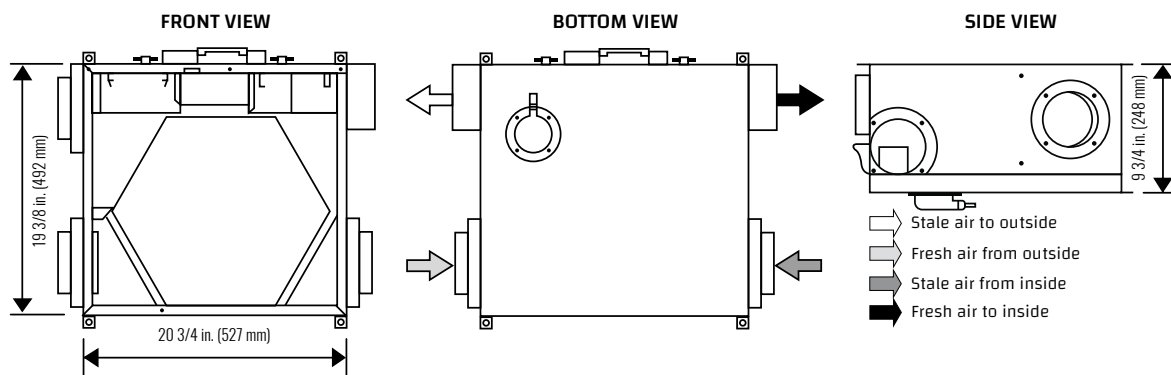
WEIGHT:
34 LBS (15.5 KG)

SHIPPING WEIGHT:
36 LBS (16 KG)

NOTE:
Front clearance of 25 in. (635 mm)
is recommended for servicing unit. All
ducts use 5 in. (125 mm) round collars.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood
99-190



Weather Hoods
99-185



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



Terminator Fitting
99-TM4
99-TM5
99-TM6



Kitchen Grille
10-002



Wireless 20/40/60 Min Timer
99-DET02



20/40/60 Min Timers
99-DET01



RNC5-TPD

HEAT RECOVERY VENTILATOR

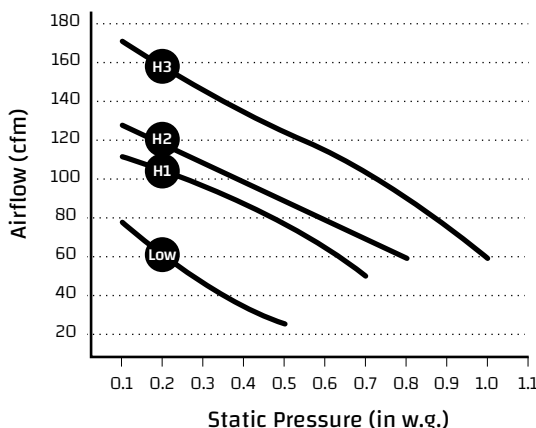


PERFORMANCE (HVI CERTIFIED)

IN. W.G. (PA)	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	156 (73)	149 (70)	136 (59)	126 (59)	116 (54)	103 (48)	89 (42)	77 (36)
Gross Supply Airflow	161 (76)	153 (72)	140 (66)	129 (61)	119 (59)	106 (50)	91 (43)	79 (37)
Gross Exhaust Airflow	156 (73)	143 (67)	136 (64)	125 (59)	114 (54)	102 (48)	89 (42)	76 (36)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	69
Watts / High Speed	147
Amp Rating	1.7

Sensible Effectiveness (ASE) @ 66 CFM (31 L/s)	32°F (0°C)	68%
Sensible Effectiveness (ASE) @ 66 CFM (31 L/s)	32°F (0°C)	61%
Sensible Efficiency (SRE) @ 85 CFM (40 L/s)	32°F (0°C)	61%
Sensible Efficiency (SRE) @ 76 CFM (36 L/s)	-13°F (-25°C)	61%



WEIGHT:
51 LBS (23 KG)

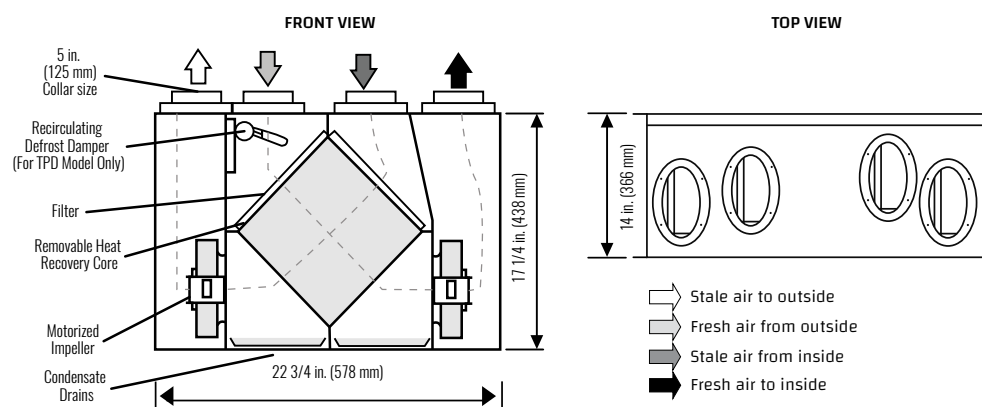
SHIPPING WEIGHT:
54 LBS (25 KG)

NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 5 in. (125 mm) oval collars, balancing dampers are located on all collars.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood 99-190



Weather Hoods 99-185



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



Terminator Fitting 99-TM4 99-TM5 99-TM6



Kitchen Grille 10-002



Wireless 20/40/60 Min Timer 99-DET02



20/40/60 Min Timers 99-DET01



RNC5-TPF

HEAT RECOVERY VENTILATOR

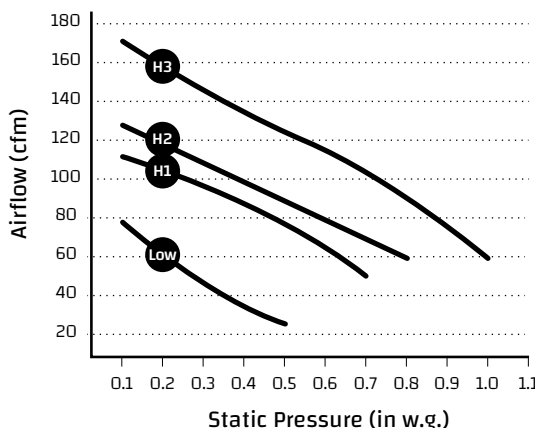


PERFORMANCE (HVI CERTIFIED)

IN. W.G. (PA)	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	165 (77)	154 (73)	142 (67)	132 (62)	120 (56)	107 (51)	95 (45)	83 (39)
Gross Supply Airflow	166 (78)	156 (73)	144 (68)	133 (63)	121 (57)	108 (51)	96 (45)	83 (39)
Gross Exhaust Airflow	162 (77)	150 (71)	138 (65)	126 (60)	114 (54)	102 (48)	90 (43)	78 (37)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	69
Watts / High Speed	147
Amp Rating	1.7

Sensible Effectiveness (ASE) @ 64 CFM (30 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	66%
Sensible Efficiency (SRE) @ 97 CFM (46 L/s)	32°F (0°C)	65%
Sensible Efficiency (SRE) @ 68 CFM (32 L/s)	-13°F (-25°C)	56%



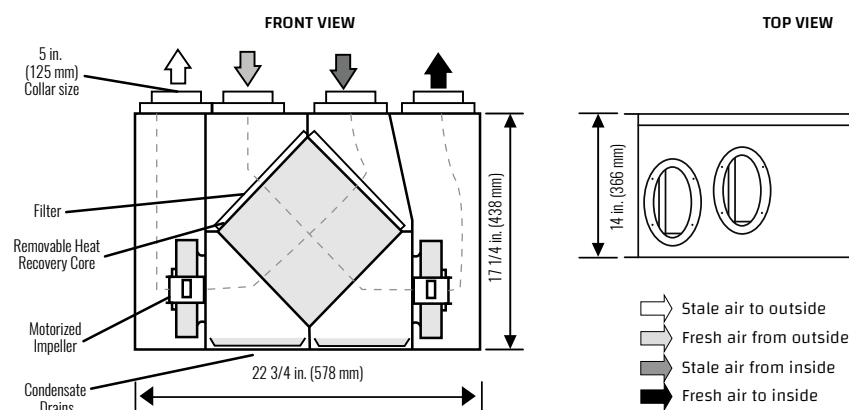
WEIGHT:
51 LBS (23 KG)

SHIPPING WEIGHT:
54 LBS (25 KG)

NOTE:
Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 5 in. (125 mm) oval collars, balancing dampers are located on all collars.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood
99-190



Weather Hoods
99-185



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



Terminator Fitting
99-TM4
99-TM5
99-TM6



Kitchen Grille
10-002



Wireless 20/40/60 Min Timer
99-DET02



20/40/60 Min Timers
99-DET01



RNC5-ES

HEAT RECOVERY VENTILATOR

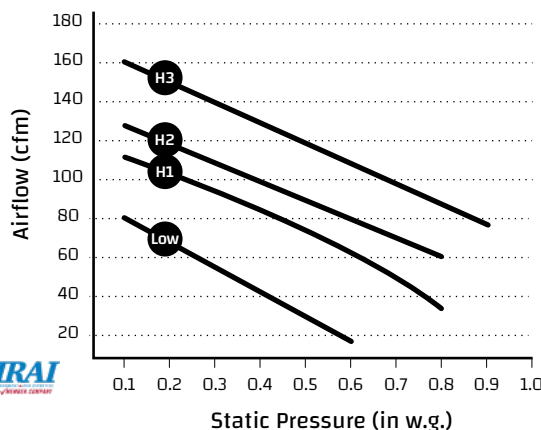


PERFORMANCE (HVI CERTIFIED)

IN. W.G. (PA)	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	150 (71)	137 (65)	125 (59)	111 (52)	98 (46)	84 (40)	70 (33)	56 (27)
Gross Supply Airflow	154 (73)	141 (67)	128 (60)	114 (54)	100 (47)	86 (41)	72 (34)	58 (27)
Gross Exhaust Airflow	136 (64)	124 (58)	112 (53)	100 (47)	88 (42)	77 (36)	67 (31)	57 (27)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	48
Watts / High Speed	110
Amp Rating	1.25

Sensible Effectiveness (ASE) @ 61 CFM (29 L/s)	32°F (0°C)	74%
Sensible Efficiency (SRE) @ 61 CFM (29 L/s)	32°F (0°C)	65%
Sensible Efficiency (SRE) @ 65 CFM (31 L/s)	32°F (0°C)	65%
Sensible Efficiency (SRE) @ 70 CFM (33 L/s)	-13°F (-25°C)	64%



WEIGHT:
51 LBS (23 KG)

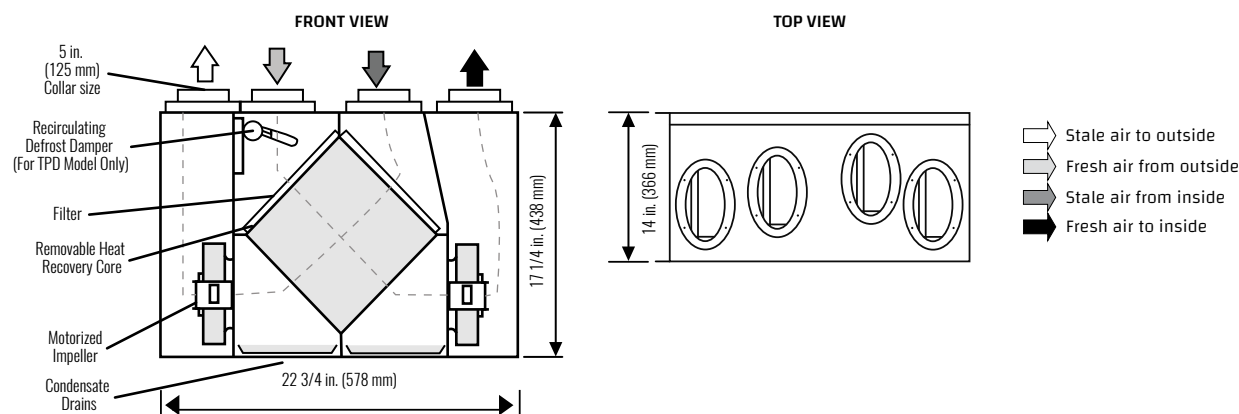
SHIPPING WEIGHT:
54 LBS (25 KG)

NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 5 in. (125 mm) oval collars, balancing dampers are located on all collars.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood 99-190



Weather Hoods 99-185



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



Terminator Fitting 99-TM4 99-TM5 99-TM6



Kitchen Grille 10-002



Wireless 20/40/60 Min Timer 99-DET02



20/40/60 Min Timers 99-DET01



RNC5-HEX-TPD

HEAT RECOVERY VENTILATOR

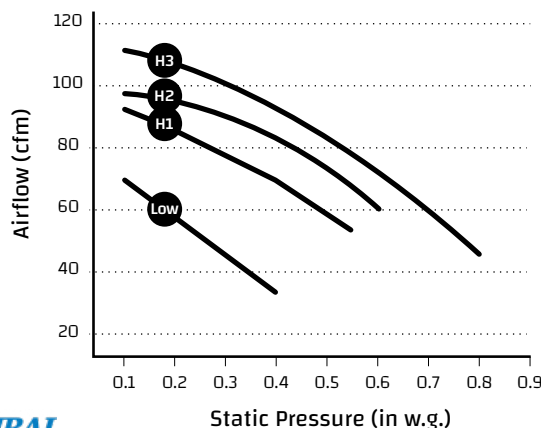


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	110 (52)	104 (49)	95 (45)	89 (42)	78 (37)	70 (33)	59 (28)	47 (22)
Gross Supply Airflow	110 (52)	104 (49)	95 (45)	89 (42)	81 (38)	70 (33)	59 (28)	47 (22)
Gross Exhaust Airflow	108 (51)	102 (48)	93 (44)	85 (40)	76 (36)	66 (31)	53 (25)	40 (19)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	36
Watts / High Speed	55
Amp Rating	0.5

Sensible Effectiveness (ASE) @ 49 CFM (23 L/s)	32°F (0°C)	85%
Sensible Effectiveness (ASE) @ 64 CFM (30 L/s)	32°F (0°C)	82%
Sensible Efficiency (SRE) @ 49 CFM (23 L/s)	32°F (0°C)	77%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 68 CFM (32 L/s)	-13°F (-25°C)	69%



WEIGHT:
50 LBS (22.7 KG)

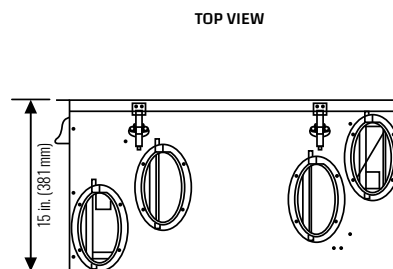
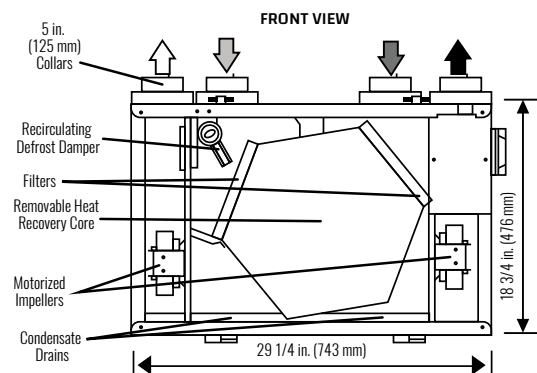
SHIPPING WEIGHT:
53 LBS (24.1 KG)

NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 5 in. (125 mm) oval collars. Balancing dampers are located on all collars.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood 99-190



Weather Hoods 99-185



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



Terminator Fitting 99-TM4 99-TM5 99-TM6



Kitchen Grille 10-002



Wireless 20/40/60 Min Timer 99-DET02



20/40/60 Min Timers 99-DET01



RNC5-HEX-TPF

HEAT RECOVERY VENTILATOR

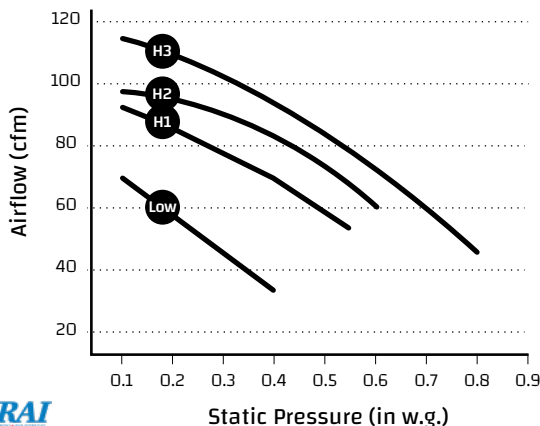


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	114 (54)	108 (51)	102 (48)	93 (44)	85 (40)	74 (35)	61 (29)	49 (23)
Gross Supply Airflow	114 (54)	108 (51)	102 (48)	93 (44)	85 (40)	74 (35)	61 (29)	49 (23)
Gross Exhaust Airflow	110 (52)	104 (49)	97 (46)	89 (42)	81 (38)	72 (34)	59 (28)	47 (22)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	34
Watts / High Speed	55
Amp Rating	0.5

Sensible Effectiveness (ASE) @ 49 CFM (23 L/s)	32°F (0°C)	84%
Sensible Effectiveness (ASE) @ 64 CFM (30 L/s)	32°F (0°C)	82%
Sensible Efficiency (SRE) @ 49 CFM (23 L/s)	32°F (0°C)	77%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	76%
Sensible Efficiency (SRE) @ 68 CFM (32 L/s)	-13°F (-25°C)	66%



WEIGHT:
50 LBS (22.7 KG)

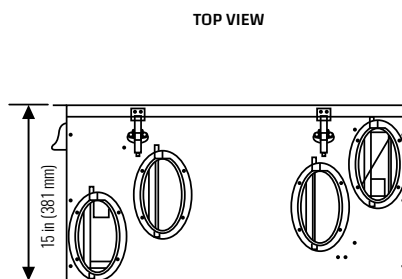
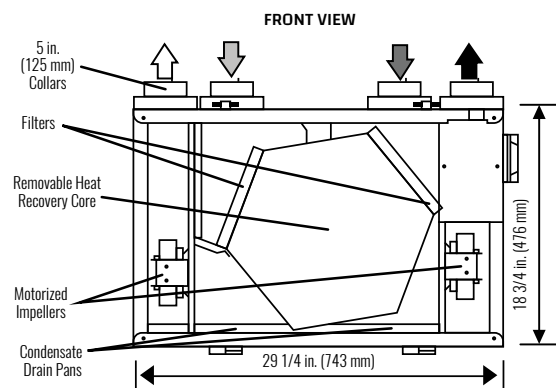
SHIPPING WEIGHT:
53 LBS (24.1 KG)

NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 5 in. (125 mm) oval collars, balancing dampers are located on all collars.



DIMENSIONS



- Stale air to outside
- Fresh air from outside
- Stale air from inside
- Fresh air to inside

OPTIONAL ACCESSORIES:

Dual Hood
99-190
99-194



Weather Hoods
99-185
99-186
99-187



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



Terminator Fitting
99-TM4
99-TM5
99-TM6



Kitchen Grille
10-002



Wireless 20/40/60 Min Timer
99-DET02



20/40/60 Min Timers
99-DET01



RNC 95

HEAT RECOVERY VENTILATOR

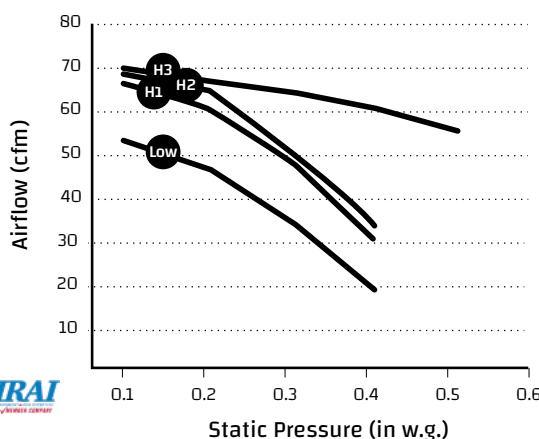


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	68 (32)	66 (31)	64 (30)	59 (28)	55 (26)
Gross Supply Airflow	76 (36)	72 (34)	70 (33)	66 (31)	61 (29)
Gross Exhaust Airflow	87 (41)	85 (40)	80 (39)	78 (37)	76 (36)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	59
Watts / High Speed	89
Amp Rating	0.9

Sensible Effectiveness (ASE) @ 60 CFM (28 L/s)	32°F (0°C)	88%
Sensible Efficiency (SRE) @ 60 CFM (28 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 70 CFM (33 L/s)	32°F (0°C)	73%
Sensible Efficiency (SRE) @ 61 CFM (29 L/s)	-13°F (-25°C)	68%



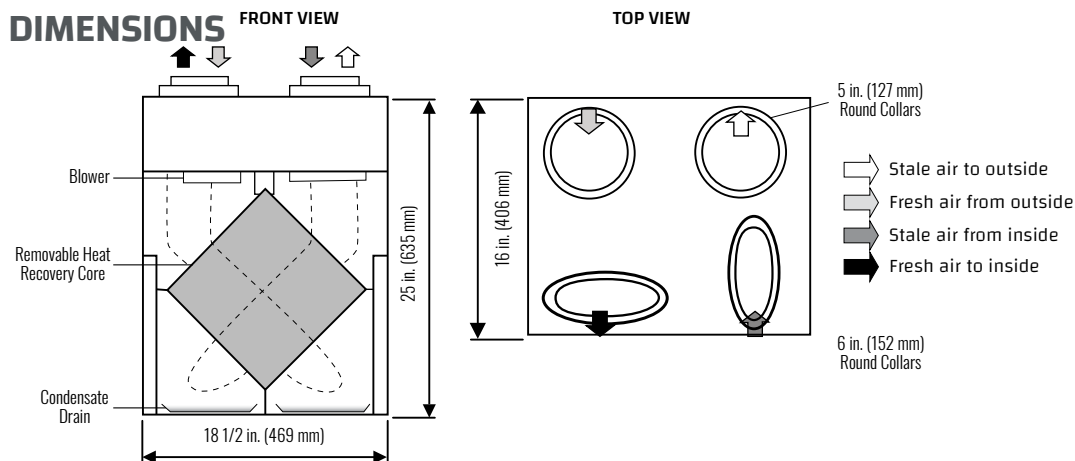
WEIGHT:
52 LBS (23.6 KG)

SHIPPING WEIGHT:
56 LBS (25.4 KG)

NOTE:
Front clearance of 25 in. (635 mm) is recommended for servicing unit. Round duct connections are 5 in. (127 mm) and oval collars use 6 in. (152 mm) connections.



DIMENSIONS



OPTIONAL ACCESSORIES:

Dual Hood
99-190
99-194



Weather Hoods
99-185
99-186
99-187



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



Terminator Fitting
99-TM4
99-TM5
99-TM6



Kitchen Grille
10-002



Wireless 20/40/60 Min Timer
99-DET02



20/40/60 Min Timers
99-DET01



RNC 155

HEAT RECOVERY VENTILATOR

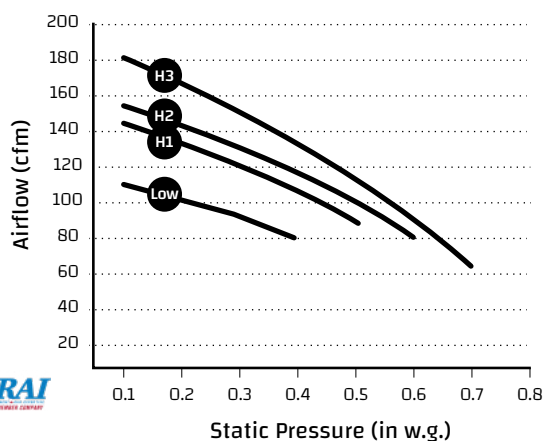


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	184 (87)	163 (77)	146 (69)	132 (62)	115 (54)	92 (43)	60 (28)
Gross Supply Airflow	188 (89)	166 (78)	149 (70)	134 (63)	117 (55)	94 (44)	61 (29)
Gross Exhaust Airflow	239 (113)	228 (107)	212 (100)	193 (91)	172 (81)	150 (71)	126 (60)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	115
Watts / Low Speed	66
Watts / High Speed	118
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 59 CFM (28 L/s)	32°F (0°C)	84%
Sensible Efficiency (SRE) @ 59 CFM (28 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	-13°F (-25°C)	71%



WEIGHT:
71 LBS (32.5 KG)

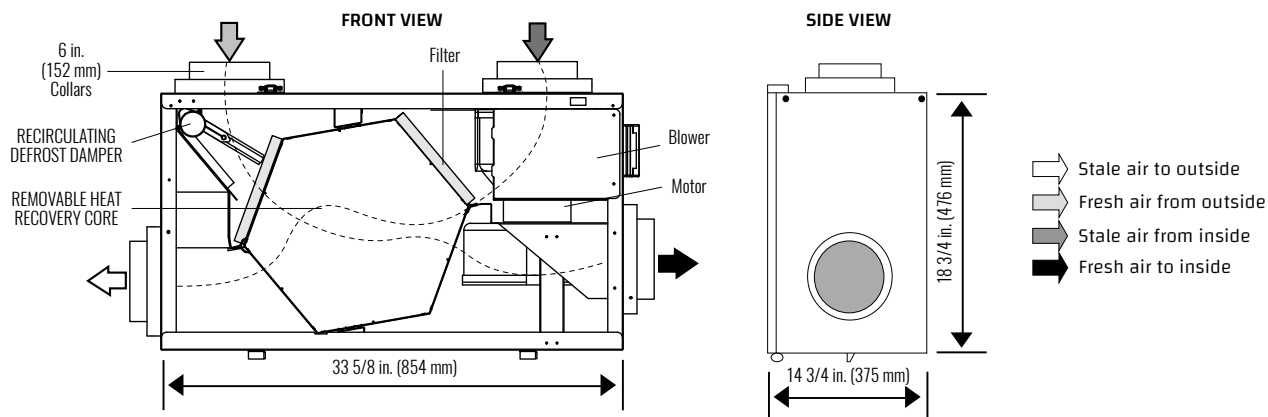
SHIPPING WEIGHT:
71 LBS (33.5 KG)

NOTE:

Front clearance of 25 in. (635 mm) is recommended for servicing unit.
All ducts use 6 in. (152 mm) connections.



DIMENSIONS



OPTIONAL ACCESSORIES:

Weather Hoods 99-186



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



Terminator Fitting 99-TM4 99-TM5 99-TM6



Kitchen Grille 10-002



Wireless 20/40/60 Min Timer 99-DETO2



20/40/60 Min Timers 99-DETO1



RNC 200

HEAT RECOVERY VENTILATOR

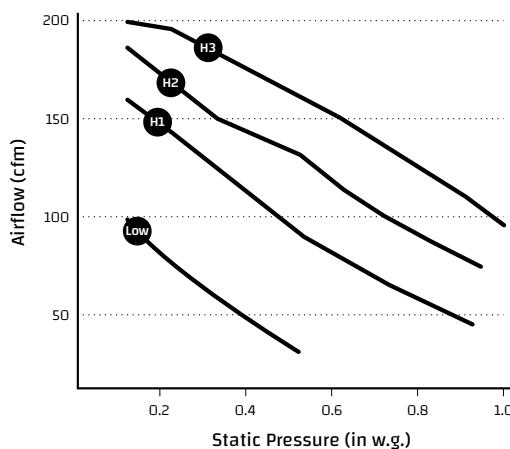


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	227 (107)	216 (102)	203 (96)	191 (90)	176 (83)	153 (72)	123 (58)
Gross Supply Airflow	235 (111)	222 (105)	212 (100)	199 (94)	182 (86)	159 (75)	127 (60)
Gross Exhaust Airflow	210 (99)	197 (93)	186 (88)	174 (82)	157 (74)	129 (61)	89 (42)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	87
Watts / High Speed	164
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 63 CFM (30 L/s)	32°F (0°C)	74%
Sensible Efficiency (SRE) @ 63 CFM (30 L/s)	32°F (0°C)	65%
Sensible Efficiency (SRE) @ 95 CFM (45 L/s)	32°F (0°C)	62%
Sensible Efficiency (SRE) @ 70 CFM (33 L/s)	-13°F (-25°C)	62%



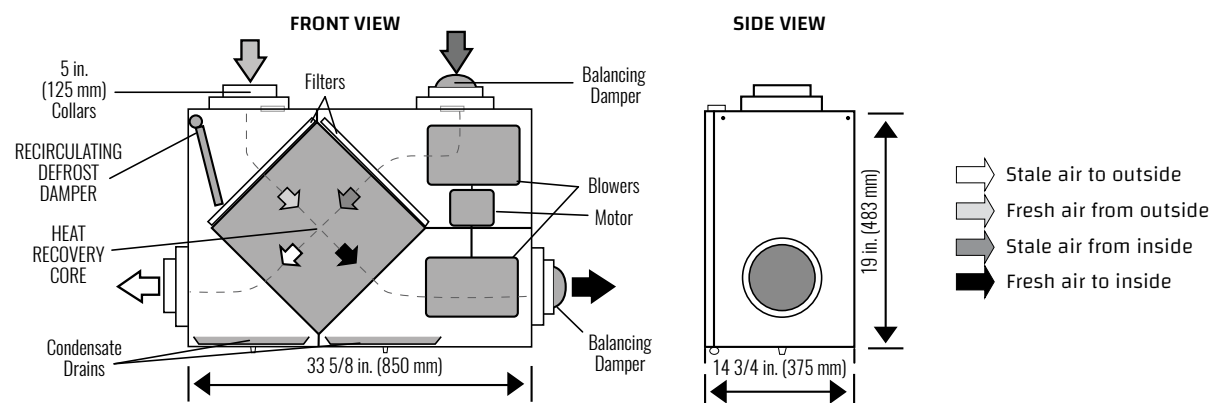
WEIGHT:
71 LBS (32.5 KG)

SHIPPING WEIGHT:
73 LBS (33.2 KG)

NOTE:
Front clearance of 25 in. (635 mm) is recommended for servicing unit.



DIMENSIONS



OPTIONAL ACCESSORIES:

Weather Hoods
99-186



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



Terminator Fitting
99-TM4
99-TM5
99-TM6



Kitchen Grille
10-002



Wireless 20/40/60 Min Timer
99-DET02



20/40/60 Min Timers
99-DET01



RNC 205

HEAT RECOVERY VENTILATOR

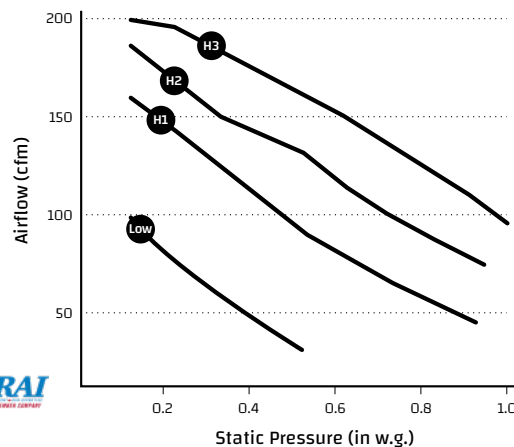


PERFORMANCE (HVI CERTIFIED)

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)
Net Supply Airflow	203 (96)	193 (91)	182 (86)	172 (81)	159 (75)	148 (70)	136 (64)
Gross Supply Airflow	208 (98)	197 (93)	186 (88)	174 (82)	163 (77)	150 (71)	138 (65)
Gross Exhaust Airflow	212 (100)	199 (94)	186 (88)	172 (81)	159 (75)	144 (68)	129 (61)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	64
Watts / High Speed	96
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 64 CFM (30 L/s)	32°F (0°C)	85%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	76%
Sensible Efficiency (SRE) @ 100 CFM (47 L/s)	32°F (0°C)	73%
Sensible Efficiency (SRE) @ 103 CFM (48 L/s)	-13°F (-25°C)	70%



WEIGHT:
57 LBS (25.8 KG)

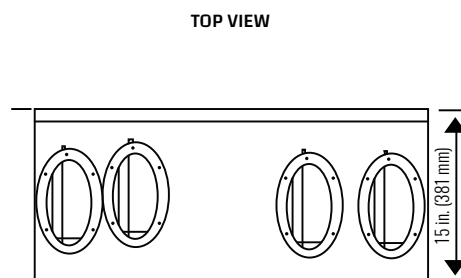
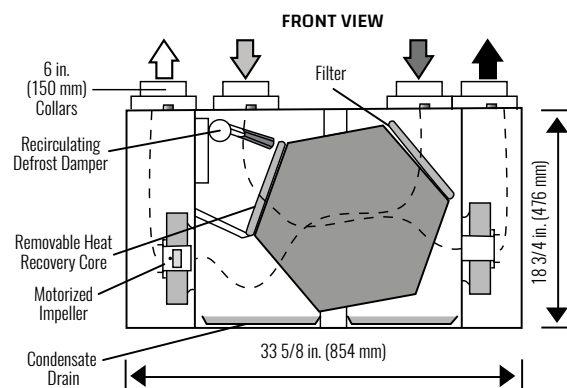
SHIPPING WEIGHT:
67 LBS (30 KG)

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.



DIMENSIONS



- Stale air to outside
- Fresh air from outside
- Stale air from inside
- Fresh air to inside

OPTIONAL ACCESSORIES:

Weather Hoods 99-186



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



Terminator Fitting 99-TM4 99-TM5 99-TM6



Kitchen Grille 10-002



Wireless 20/40/60 Min Timer 99-DET02



20/40/60 Min Timers 99-DET01



HRV & ERV ACCESSORIES



Balancing Kit



Techgrille™

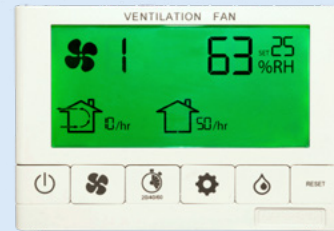
Stack Head Elbow

HRV/ERV CONTROLS & TIMERS



Digital Wall Control: 99-DXPL02

- 5 fan speed settings
 - Standby setting
 - Electric dehumidistat
 - 20/40/60 High speed override button
 - Compatible with wireless timer (99-DET02)
 - Easy to read backlit LCD screen
- 5 selectable modes of operation:
 - Continuous Ventilation,
 - 20 Min. Ventilation / 40 min. Recirculation
 - 20 Min. Ventilation / 40 min. off
 - 10 Min. Ventilation / 50 min. off
 - Continuous Recirculation
 - Service indicator
 - Horizontal orientation, does not require 2x4 Ebox for installation
 - Connect to 3 wire 20 gauge low voltage wire



Basic Control: 99-BC02

- 2 Speed fan settings (low/high)
- Standby setting
- Electric dehumidistat
- Compatible with wireless timer (99-DET02)



Basic Control: 99-BC03

- Continuous low fan speed setting
- Electric dehumidistat
- 3 modes of operation: Ventilation-Recirculation-20/40 mode
- Compatible with wireless timer (99-DET02)



Basic Control: 99-BC04

- 2 Speed fan settings (low1/high2)
- Standby setting (fan speed 0)
- Compatible with wireless timer (99-DET02)
- 2 operational modes
 - 20 on / 40 off
 - 20 on / 40 recirculation



Wireless Timer: 99-DET02

- **Exclusive to Lifebreath**
- Initiates high speed ventilation 20, 40 or 60 minutes
- Wireless timers have an estimated range of 40 ft
- Compatible with Repeater (99-RX02)
- Saves on installation time and cost.
- Can be surface or E-box mounted. Battery Included



20/40/60 Minute Timer: 99-DET01

- Connects to 3 wire 20 gauge low voltage wire
- Initiates high speed ventilation 20,40 or 60 minutes.



ACCESSORIES

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.



DECORATIVE COVER PLATE -99-107W

- Compatible with BC controls & timers

DEHUMIDISTAT - 99-DH01

- Initiates high speed ventilation when the indoor humidity level is above the set point.

PRO-600

PULSE HUMIDIFIER



SPECIFICATIONS:

Sizing	Up to 3,000 sq. ft. (280 m ²)
Capacity¹	13 GPD (2 litres/hr.)
Water Efficiency²	~90%
By-Pass Duct	6 in. (150 mm) Diameter
Plenum Opening	W: 9.25 in. (235 mm)
	H: 8.25 in. (210 mm)
Unit Dimensions³	W: 13.25 in. (337 mm)
	H: 10 in. (254 mm)
	D: 11.5 in. (290 mm)
Evaporative Pad	W: 9.5 in. (241 mm)
	H: 9.5 in. (241 mm)
	D: 1.625 in. (41 mm)
Electrical Supply	24 VAC (60 Hz)
Water Connection	0.25 in. (6.35 mm) Outer Diameter
Drain Requirement	Yes
Shipping Dimensions	W: 13.5 in. (343 mm)
	H: 13.25 in. (337 mm)
	D: 12.75 in. (324 mm)
Shipping Weight	8 lbs. (3.6 kg)

1. Based on 120°F/49°C entering air temperature, 165 CFM air flow

2. Ratio of water used for humidity relative to total water required for cleaning or other purposes

3. Body only, does not include solenoid valve

FEATURES & BENEFITS:

WATER EFFICIENT FLOW-THROUGH

Patented electronic water flow control reduces demand for water by up to 88% compared to ordinary flow-through humidifiers.

When in operation, the water supply solenoid valve is pulsed on for approximately 4 seconds, sufficient time to soak the entire evaporative pad. Upon saturation, the valve is closed for approximately 30 seconds to allow the dispersed water to evaporate with the waste of excess water flowing into the pad and down the drain. The interval times on this cycle can be changed depending on the type of furnace.

FILTER FRAME

Large replaceable filter pad is encased in a disposable frame designed to retain water during the quenching cycle which further reduces wasted run-off water.

WATER HAMMER PROTECTION

Quiet and reliable operation of DCV solenoid valve is further enhanced by section of engineered rubber hose to absorb potential 'water-hammer' shock.

EFFICIENT OPERATION

The electronic water flow controller limits the amount of waste water which also reduces energy loss from furnace heat which is no longer transferred to the excess flow-through water normally lost down the drain.

EASY TO INSTALL

Universal Mounting. Light weight, compact design. Comes complete with installation kit and humidistat control.

WARRANTY

Limited lifetime warranty on durable plastic frame and door. Two years on parts including solenoid valve, humidistat, pulse controller and transformer. Consumables not included.



PATENTED ELECTRONIC PULSE FLOW CONTROLLER:

Saves thousands of gallons of water per season without affecting comfort or performance.

EASY AIR GRILLES & FITTINGS

ACCESSORY	FEATURES	PART NUMBER	DESCRIPTION
Techgrille™ 	- Fully adjustable ventilation grille centre adjustment cone spins in/out providing variable ventilation - Compression spring tabs clip the grille into 4 in., 5 in., 6 in. or 8 in. round ducts - White, non-corrosive material	99-EAG4 99-EAG5 99-EAG6 99-EAG8	4 in. Diameter 5 in. Diameter 6 in. Diameter 8 in. Diameter
Terminator Fittings 	- Black plastic - Adapts to 4 in., 5 in. and 6 in. Tech Grille - Suitable for ceiling or wall applications	99-TM4 99-TM5 99-TM6	4 in. Ceiling/Wall Fitting 5 in. Ceiling/Wall Fitting 6 in. Ceiling/Wall Fitting
Stack Head Elbows 	- Adapts to 4 in./6 in. Tech Grille - Fits neatly in 2 in. x 4 in. & 2 in. x 6 in. walls - Quick rough-in and easy to secure	99-WF4 99-WF6	4 in. Plastic Elbow 6 in. Plastic Elbow
Quick Mount Fitting 	- All white plastic design simple to install - Suitable for ceiling or wall applications - Lower cost alternative to Terminator 6 in. fitting	99-QM6	6 in. Ceiling Fitting
Suspended Ceiling Fitting 	- Complements 6 in. Tech Grille - White, all plastic design	99-CF6	6 in. Ceiling/Wall Fitting
Kitchen Grille 	- White, hinged 6 in. x10 in. exhaust grille - Easy access to washable aluminum grease filter (included)	10-002 10-002-2	- Kit includes 1 grease filter replacement. - Grease filter only
Return Air Collars 	- Black single collar 5 in. - Black single collar 6 in.	70-531B 70-631B	

VENTILATION ACCESSORIES

ACCESSORY	FEATURES	PART NUMBER	DESCRIPTION
Dual Hood 	- Requires only one 6 in. opening for intake/ exhaust - Robust design, damage resistant metal construction for exterior wall connection - Durable rigid plastic for duct connections	99-190 99-194	Breakthrough design, requiring only one 6 in. opening for intake/ exhaust connections. Ideal for space constrained HRV or ERV applications Limited to 100 CFM. *confirm acceptance by local code authorities
Weatherhood Kits 	- High density polyethylene for long life even in severe climates - Screens include to block entry by small animals, large insects - No moving parts, eliminates freezing or sticking potential	99-185 99-184 99-186 99-187 99-186LT	Ideal for HRV, ERV and inline applications. Two 5 in. diameter hoods, 12 in. wall sleeve, duct collar, white plastic. As above - 6 in. option. As above - 7 in. option. Two 6 in. Diameter hoods without sleeve or collar.
Bathroom Exhaust System (BES) 	- Exhausts multiple areas quietly and economically, while providing heat recovery through the CAF - Includes BES Control box, 4/5/6 Combi Fan, Fan speed selection.	99-CAF-BESKIT	Perfect way to ventilate specific locations with a Clean Air Furnace
In-Line Duct Heater 	- Equipped with advanced electronic Modulating Controller (SCR) and air flow Sensor to minimize operating cost. 120V, 1 phase - Automatic reset prevents overheating, manual reset, coil elements of nickel-chrome resistance wire, corrosion resistance galvanized steel enclosure, airflow sensor, built-in electronic temperature control and sensor, round collars simplify installation and reduce labor time.	99-160 99-161 99-163 99-164	7 in. Diameter, 1KW, 120V/1phase 7 in. Diameter, 2KW, 120V/1phase 6 in. Diameter, 1KW, 120V/1phase 6 in. Diameter, 2KW, 120V/1phase

ACCESSORIES

ACCESSORY	FEATURES	PART NUMBER	DESCRIPTION
Hanging Straps 	• INCLUDED with all MAX & RNC products (except METRO models) • Easy mount system enables pre-assembly on floor • Adjustable clip simplifies leveling procedure	99-80-102	Includes 4 heavy duty straps and 4 s-hooks. 
Airflow Measuring Equipment  99-BAL-KIT	• Lifebreath HRV/ERV Balancing Kit • Flow Measuring Station • Pilot Tube Balancing Kit, Magnehelic Gauge, Pitot Tube, Hoses. • Accutubes Kit only (Gauge tubes)	99-BAL-KIT 99-150, 99-152 99-153, 99-155 99-168 99-182	• Hand held digital manometer, door plugs, and a custom Lifebreath tool bag • 5 in. Diameter, 6 in. Diameter • 7 in. Diameter, 8 in. Diameter • Pilot Tube only • 12 x 12 x 4 - 1lbs
TFP Accessories  65-503R	• Replacement TFP3000 Collector • Replacement HEPA Filter (for TFP3000) • Installation Kit • Replacement filter kit (for TFP2000)	65-503R 65-502R 99-7TFP 99-179	• Annual replacement recommended • Replace every 2-3 years. • Includes 7 in. Flex Duct, 2-7 in. Collars, 4 Nylon Ties. • 6 Filters - approx 20 in. x 20 ft. x 1 in.
HRV Miscellaneous	• 6 in. ID Clear flexible ducting, 100' / box • 6 in. Diameter Balancing Collar • 6 in. Spring-Loaded Back-draft Damper • Merv 8 Pleated filter pack 6 • Merv 8 Pleated filter Pack 6	99-165 99-RSK6 99-MERV8-6 99-65-186	Also available in 4/5/8/10/12 in. diameters Note: Not compatible with 95MAX, 195/300DCS Also available in 4 in., 5 in., 6 in. and 8 in. Square core filter HEX core filter

COMMERCIAL

Energy Recovery Ventilators



COMMERCIAL

ENERGY RECOVERY VENTILATORS

MODEL SELECTION

Model	Dimensions H x W x D (in.)	Applications & Airflows	Electrical	Temperature Effectiveness	Winter/Summer Effectiveness	Highlights
330 ERV	28.25 x 34 x 18.75	Typical airflows up to 300 CFM @0.5" w.g	120/1/60 3.8 amps	80	77/66	3 speeds, low profile cabinet with service access from either side. Ideal for larger homes and light commercial applications.
530 ERV	32.25 x 35.5 x 29	Typical airflows up to 590 CFM @0.5" w.g	120/1/60 9 amps	80	77/66	2 speeds, compact cabinet with service access from either side. 2 energy recovery cores for maximum performance.
730 ERV	32.25 x 35.5 x 29	Typical airflows up to 690 CFM @0.5" w.g	120/1/60 9 amps	80	77/66	3 speeds, compact cabinet with service access from either side. 2 energy recovery cores for maximum performance.
1230 ERV	32.25 x 35.5 x 42	Typical airflows up to 1,230 CFM @0.5" w.g	120/1/60 18.8 amps	80	77/66	3 speeds, 3 energy recovery cores in a compact cabinet. Service access from either side allows for flexible installation.



330 ERV

ENERGY RECOVERY VENTILATOR

ENGINEERING DATA:

TOTAL RECOVERY CORE

The cross-flow energy recovery core transfers heat and water vapor between the two air streams. It is easily removed for cleaning or service.

MOTORS

Two PSG, 3 speed single shafted, 120 VAC, 1.92 Amps each (3.8 total on high speed).
HP - 1/6, 1625 RPM. MCA: 4.8 MOP: 15 Watts - total on high speed - 437.

FILTERS

2 in. pleated MERV 8 filters in supply and exhaust air streams.

BLOWERS

Slide easily in / out of unit. Centrifugal type rated at 460 CFM (217 L/s) free air delivery. Each air stream has one single shafted motor driving a centrifugal blower.

CONNECTION DUCT SIZES

330 ERV - Four - 8 in. x 8 in. (200 mm x 200 mm).

MOUNTING

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

CABINET

Unit has front and back access doors and electrical panel can be switched to either side giving 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.

ELECTRONICS

Integrated microprocessor circuit board.
Built-in interlock contacts.
Optional remote speed control.

FROST PREVENTION

Temperature sensor activated, periodically shuts down supply motor. Drains not required.

OPTIONAL CONTROL

99-BC04 LIFEBREATH VENTILATION CONTROL

- 2 speed fan setting (Low/High)
- 2 modes of operation: Ventilation, 20/40
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection; 20 gauge wire (minimum)

TIMERS

99-DET02 LIFEBREATH WIRELESS 20/40/60 MINUTE TIMER

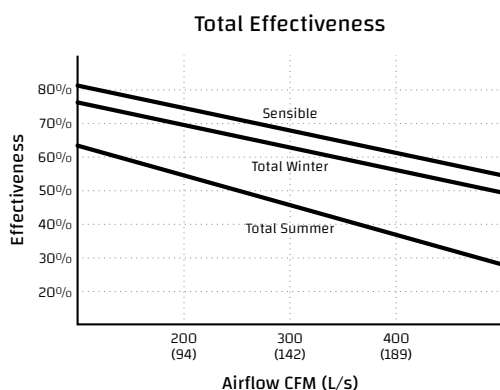
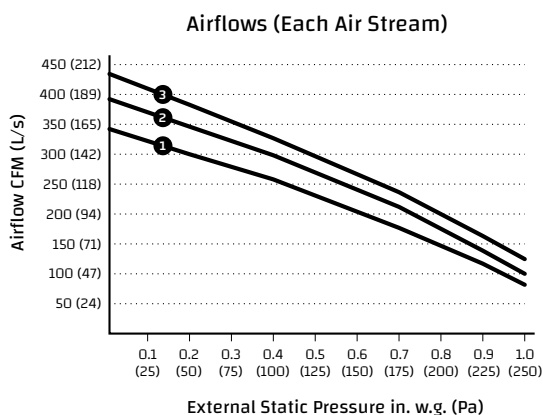
- Initiates high speed Ventilation for 20, 40 or 60 minutes
- Wirelessly connects to main control for ease of installation
- 40' approximate range

99-DET01 LIFEBREATH 20/40/60 MINUTE TIMER

- Initiates high speed ventilation for 20, 40 or 60 minutes. 3 wire connection.

99-RX02 LIFEBREATH WIRELESS REPEATER

- Used to extend range of 99-DET02 Wireless Timers
- Plugs into 120V power outlet and wirelessly connects to main control and 99-DET02



WEIGHT:
120 LBS (54 KG)

SHIPPING WEIGHT:
150 LBS (68 KG)

WARRANTY

Units carry a 10 year warranty on the core and a 2 year replacement parts warranty.

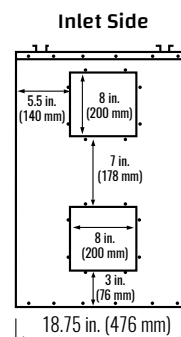
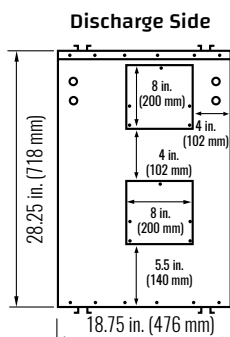
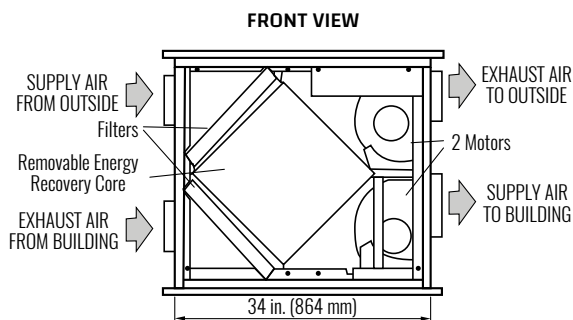
ISO 9001
REGISTERED

Note: The 330ERV model may easily be reversed in the field. Service clearance is 30 in. (760 mm) from front access doors.

AHRI 1060 Certified Core:
Contains one 68-280



Globally Recognized. Industry Respect



530 ERV

ENERGY RECOVERY VENTILATOR



ENGINEERING DATA:

TOTAL RECOVERY CORE

The cross-flow energy recovery core transfers heat and water vapor between the two air streams. It is easily removed for cleaning or service.

MOTORS

Two PSC, 2 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

2 in. pleated MERV 8 filters in supply and exhaust air streams.

BLOWERS

Slide easily in / out of unit. Centrifugal type rated at 700 CFM (329 L/s) free air delivery. Each air stream 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 provided).

CABINET

Unit has front and back access doors and electrical panel can be switched to either side giving 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.

ELECTRONICS

Integrated microprocessor circuit board. Built-in interlock contacts. Optional remote speed control.

FROST PREVENTION

Temperature sensor activated, periodically shuts down supply motor. Drains not required.

OPTIONAL CONTROL

99-BC04 LIFE BREATH VENTILATION CONTROL

- 2 speed fan setting (Low/High)
- 2 modes of operation: Ventilation, 20/40
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection; 20 gauge wire (minimum)

TIMERS

99-DET02 LIFE BREATH WIRELESS 20/40/60 MINUTE TIMER

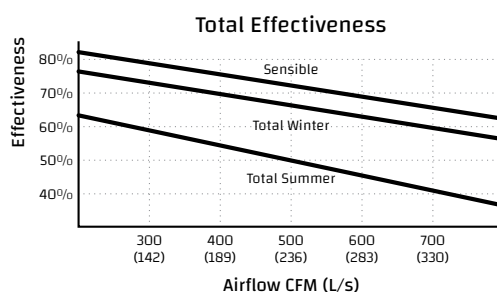
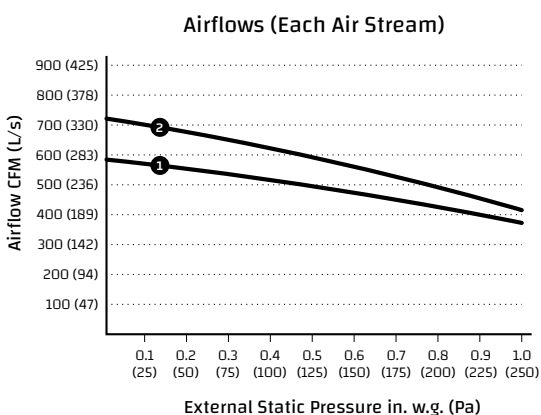
- Initiates high speed Ventilation for 20, 40 or 60 minutes
- Wirelessly connects to main control for ease of installation
- 40 ft. approximate range

99-DET01 LIFE BREATH 20/40/60 MINUTE TIMER

- Initiates high speed ventilation for 20, 40 or 60 minutes. 3 wire connection.

99-RX02 LIFE BREATH WIRELESS REPEATER

- Used to extend range of 99-DET02 Wireless Timers
- Plugs into 120V power outlet and wirelessly connects to main control and 99-DET02



WEIGHT:
260 LBS (118 KG)

SHIPPING WEIGHT:
310 LBS (141 KG)

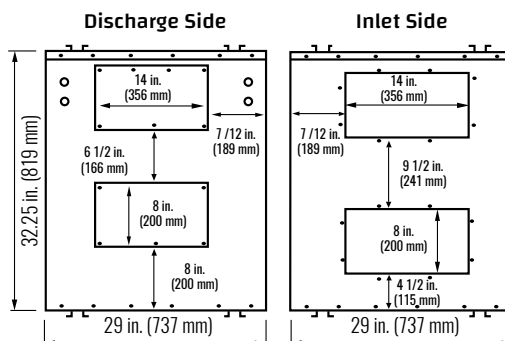
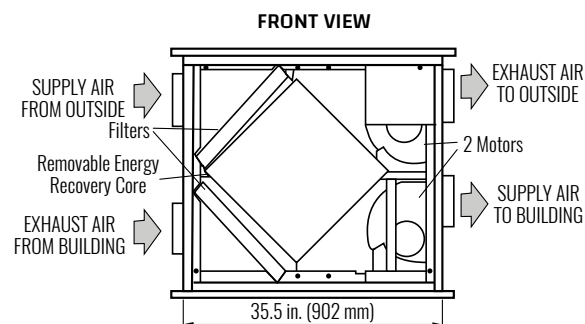
WARRANTY

Units carry a 10 year warranty on the core and a 2 year replacement parts warranty.

ISO 9001
REGISTERED

Note: The 530ERV model may easily be reversed in the field. Service clearance is 30 in. (760 mm) from front access doors.

AHRI 1060 Certified Core: Contains two 68-280



730 ERV

ENERGY RECOVERY VENTILATOR

ENGINEERING DATA:

TOTAL RECOVERY CORE

The cross-flow energy recovery core transfers heat and water vapor between the two air streams. It is easily removed for cleaning or service.

MOTORS

Two PSG, 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

2 in. pleated MERV 8 filters in supply and exhaust air streams.

BLOWERS

Slide easily in / out of unit. Centrifugal type rated at 700 CFM (329 L/s) free air delivery. Each air stream 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 provided).

CABINET

Unit has front and back access doors and electrical panel can be switched to either side giving 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.

ELECTRONICS

Integrated microprocessor circuit board. Built-in interlock contacts. Optional remote speed control.

FROST PREVENTION

Temperature sensor activated, periodically shuts down supply motor. Drains not required.

OPTIONAL CONTROL

99-BC04 LIFEBREATH VENTILATION CONTROL

- 2 speed fan setting (Low/High)
- 2 modes of operation: Ventilation, 20/40
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection; 20 gauge wire (minimum)

TIMERS

99-DET02 LIFEBREATH WIRELESS 20/40/60 MINUTE TIMER

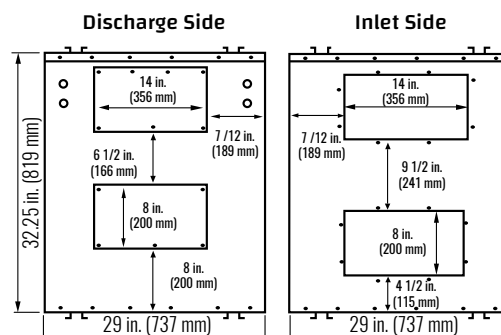
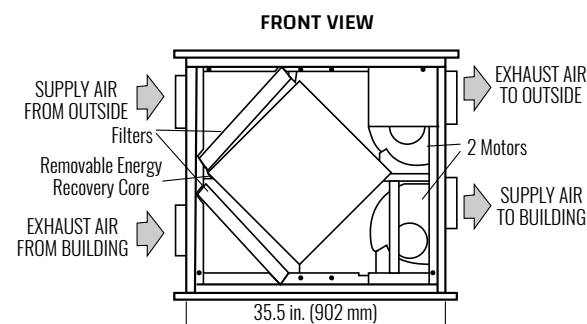
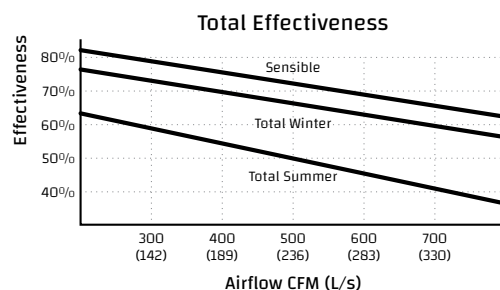
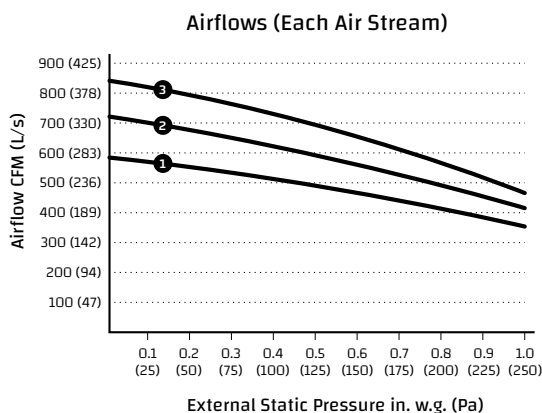
- Initiates high speed Ventilation for 20, 40 or 60 minutes
- Wirelessly connects to main control for ease of installation
- 40 ft. approximate range

99-DET01 LIFEBREATH 20/40/60 MINUTE TIMER

- Initiates high speed ventilation for 20, 40 or 60 minutes. 3 wire connection.

99-RX02 LIFEBREATH WIRELESS REPEATER

- Used to extend range of 99-DET02 Wireless Timers
- Plugs into 120V power outlet and wirelessly connects to main control and 99-DET02



WEIGHT:
260 LBS (118 KG)

SHIPPING WEIGHT:
310 LBS (141 KG)

WARRANTY

Units carry a 10 year warranty on the core and a 2 year replacement parts warranty.

ISO 9001
REGISTERED

Note: The 730ERV model may easily be reversed in the field. Service clearance is 30 in. (760 mm) from front access doors.

AHRI 1060 Certified Core: Contains two 68-280



1230 ERV

ENERGY RECOVERY VENTILATOR



ENGINEERING DATA:

TOTAL RECOVERY CORE

The cross-flow energy recovery core transfers heat and water vapour between the two airstreams. It is easily removed for cleaning or service.

MOTORS

Two PSC, 3 speed double shafted, 120 VAC, 9.4 Amps each (18.8 total on high speed). HP- 1/2, 1625 RPM. MCA: 23.5 MOP: 30 Watts - total on high speed - 2256.

FILTERS

2 in. pleated MERV 8 filters in supply and exhaust air streams.

BLOWERS

Slide in / out easily of unit. Centrifugal type rated at 1200 CFM (566 L/s) free air delivery. Each air stream has one single shafted motor driving a centrifugal blower.

CONNECTION DUCT SIZES

Four - 20 in. x 8 in. (508 mm x 200 mm).

MOUNTING

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

CABINET

Unit has front and back access doors and electrical panel can be switched to either side giving 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.

ELECTRONICS

Integrated microprocessor circuit board.
Built-in interlock contacts. Optional remote speed control.

FROST PREVENTION

Temperature sensor activated, periodically shuts down supply motor. Drains not required.

OPTIONAL CONTROL

99-BC04 LIFE BREATH VENTILATION CONTROL

- 2 speed fan setting (Low/High)
- 2 modes of operation: Ventilation, 20/40
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection; 20 gauge wire (minimum)

TIMERS

99-DET02 LIFE BREATH WIRELESS 20/40/60 MINUTE TIMER

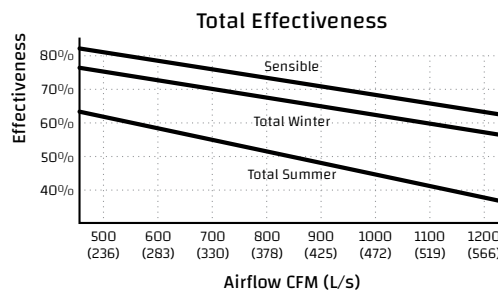
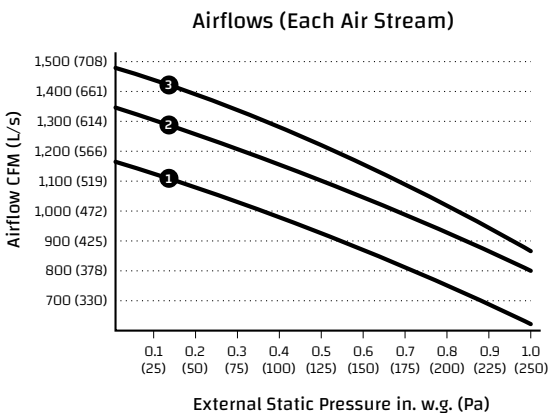
- Initiates high speed Ventilation for 20, 40 or 60 minutes
- Wirelessly connects to main control for ease of installation
- 40' approximate range

99-DET01 LIFE BREATH 20/40/60 MINUTE TIMER

- Initiates high speed ventilation for 20, 40 or 60 minutes. 3 wire connection.

99-RX02 LIFE BREATH WIRELESS REPEATER

- Used to extend range of 99-DET02 Wireless Timers
- Plugs into 120V power outlet and wirelessly connects to main control and 99-DET02



WEIGHT:
285 LBS (130 KG)

SHIPPING WEIGHT:
335 LBS (152 KG)

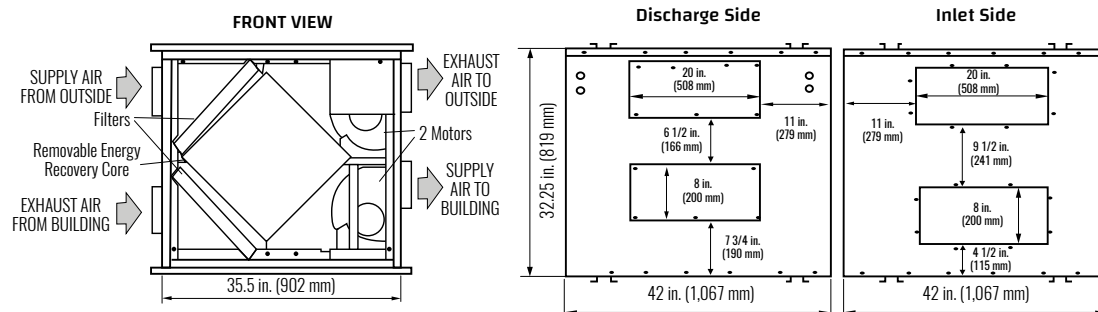
WARRANTY

Units carry a 10 year warranty on the core and a 2 year replacement parts warranty.

ISO 9001
REGISTERED

Note: The 1230ERV model may easily be reversed in the field. Service clearance is 30 in. (760 mm) from front access doors.

AHRI 1060 Certified Core:
Contains three 68-280



COMMERCIAL

Heat Recovery Ventilators



700 Pool
1200 Pool



455 FD

350 DCS

COMMERCIAL

HEAT RECOVERY VENTILATORS

MODEL SELECTION			
Indoor Use Models	Effectiveness @ 0°C (32°F)	Dimensions H x W x D (in.)	Product Features
350 DCS	95%	18.75 x 49 x 28.25	Airflow up to 400 CFM*. Highly efficient double core system features a low profile cabinet designed for installations above suspended ceilings. Digital wall control included.
455 FD 455 DD	65%	25.625 x 29.625 x 28.75	Airflow up to 450 CFM*. Compact and reliable unit for installation in tight locations. Access door located on front and back, Blowers slide easily in/out for service and maintenance. Field reversible. Available in Fan Defrost (FD) and Damper Defrost (DD). Option to add MERV 8 filter (99-65-183).
650 FD 650 DD	80%	24.75 x 54 x 42	Airflow up to 650 CFM*. Compact low profile cabinet unit for installation in tight locations. Access door located on front and back, Blowers slide easily in/out for service and maintenance. Field reversible. Available in Fan Defrost (FD) and Damper Defrost (DD).
700 FD 700 DD	65%	32.25 x 33.25 x 29	Airflow up to 700 CFM*. Compact and reliable unit for installation in tight locations. Access door located on front and back, Blowers slide easily in/out for service and maintenance. Field reversible. Available in Fan Defrost (FD) and Damper Defrost (DD). Option to add MERV 8 filter (99-65-183).
1200 FD 1200 DD	65%	32.25 x 33.25 x 42	Airflow up to 1200 CFM*. Compact and reliable unit for installation in tight locations. Access door located on front and back, blowers slide easily in/out for service and maintenance. Field reversible. Available in Fan Defrost (FD) or Damper Defrost (DD) and option to add MERV 8 filter (99-65-184).
700 POOL	65%	32.25 x 33.25 x 29	Airflow up to 700 CFM*. Designed for indoor pool applications, this compact unit delivers installation and operating costs to be less than alternative dehumidification systems. Access doors located on front and back, blowers slide easily in/out for service and maintenance. Field reversible. Option to add MERV 8 filter (99-65-183). Includes remote dehumidistat (99-DH01).
1200 POOL	65%	32.25 x 33.25 x 42	Airflow up to 1200 CFM*. Designed for indoor pool applications, this compact unit delivers installation and operating costs to be less than alternative dehumidification systems. Access doors located on front and back, blowers slide easily in/out for service and maintenance. Field reversible. Option to add MERV 8 filter (99-65-184). Includes remote dehumidistat (99-DH01).

*Refer to model specifications for design information. Specifications are available on www.lifebreath.com

350 DCS HEAT RECOVERY VENTILATOR



ENGINEERING DATA:

CORES

Two modular (two section) aluminum HRV cores arranged for high efficiency cross-flow ventilation.

MOTORS

Two PSC, 5 speed double shafted, 120 VAC, 3.15 A motors. (6.3 A total on high speed) with 1/10 hp at 1625 RPM. Total of 610 watts on High speed. MCA: 7.9 MOP:10

BLOWERS

Centrifugal-type rated at 530 CFM (250 L/s) free air delivery. Each air stream has two centrifugal blowers driven by two PSC motors.

FILTERS

Washable air filters in exhaust and supply air streams.

DEFROST

Supply bypass damper routes indoor air to defrost cores.

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

Twenty gauge pre-painted galvanized steel (G60) for superior corrosion resistance. Insulated with foil faced insulation duct liner where required to prevent exterior condensation. One drain connection 1/2" (12 mm) OD.

ELECTRONICS

Integrated microprocessor circuit board. Built-in interlock contacts.

CONTROL OPTIONS

99-DXPLO2 LIFE BREATH DIGITAL CONTROL (Included)

- 5 speed operation on each mode
- Humidity control through adjustable Dehumidistat
- 5 user selectable operational modes: 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 Timers
- 3 wire connection

Please see page 44 for a full list of control options.

TIMERS

99-DET01 LIFE BREATH 20/40/60 MINUTE TIMER

- Initiates High speed Ventilation for 20, 40 or 60 minutes. 3 wire connection.

99-DET02 LIFE BREATH WIRELESS 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 ft. approximate range.

99-RX02 LIFE BREATH WIRELESS REPEATER

- Used to extend range of 99-DET02 Wireless Timers
- Plugs into 120V power outlet and wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.

IN. W.G. (PA)	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	426 (201)	400 (189)	371 (159)	337 (159)	304 (143)	269 (127)	158 (75)	107 (50)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	187
Watts / High Speed	610
Amp Rating	6.3

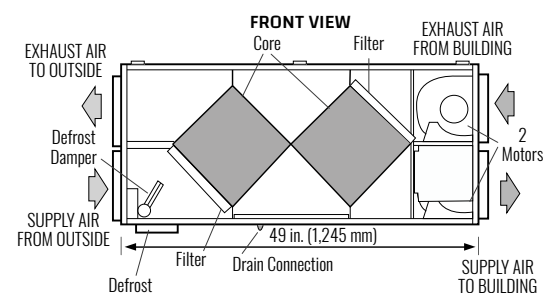
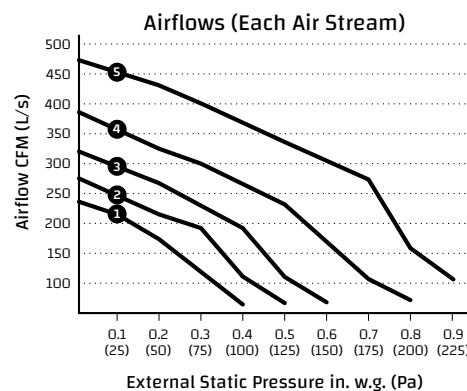
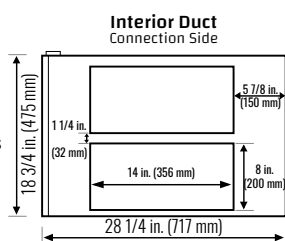
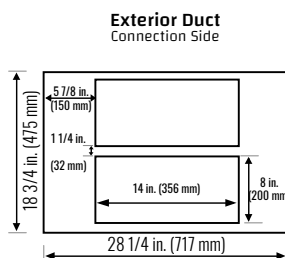
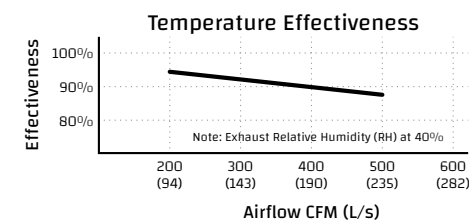
WEIGHT:

160 LBS (70 KG)

SHIPPING WEIGHT:

240 LBS (110 KG)

Note: Service clearance of 30 in. (765 mm). All specifications are subject to change without notice.



WARRANTY

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

455 FD/455 DD

HEAT RECOVERY VENTILATOR



ENGINEERING DATA:

CORES

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

MOTORS

Two PSG, 3 speed single shafted, 120 VAC, 1.92 Amps each (3.8 total on high speed). HP- 1/6, 1625 RPM. MCA: 4.8 MOP: 15. Watts - total on high speed - 437.

FILTERS

Washable air filters in exhaust and supply air streams.

BLOWERS

Slide easily in / out of unit. Centrifugal type rated at 236 L/s (500 CFM) free air delivery. Each air stream 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 pre-painted galvanized steel (G60) for superior corrosion resistance. Insulated with foil faced insulation where required to prevent exterior condensation. Drain connections; two - 1/2" (12 mm) O.D.

ELECTRONICS

Integrated microprocessor circuit board. Built-in interlock contacts.

FILTER OPTION

99-65-183 - 2 in. pleated MERV 8 filter for fresh air stream

DEFROST CONTROLS

455 FD - Interrupts supply air while exhaust air defrosts core.
455 DD - Supply bypass routes indoor air to defrost core.

CONTROL OPTIONS

99-BC02 LIFE BREATH VENTILATION CONTROL

- 2 speed fan setting (Low/High)
- Humidity control through adjustable Dehumidistat
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection; 20 gauge wire (minimum)

99-500 3 SPEED CONTROL

- 3 Speed Fan setting (Low/Medium/High)
- 4 wire connection; 20 gauge wire (minimum)

99-DH01 LIFE BREATH DEHUMIDISTAT

- Humidity control through adjustable Dehumidistat
- 3 wire connection; 20 gauge wire (minimum)

TIMERS

99-DET01 LIFE BREATH 20/40/60 MINUTE TIMER

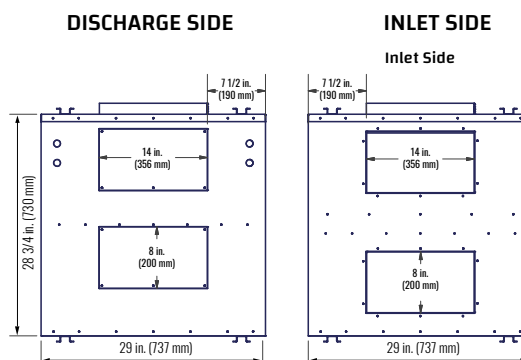
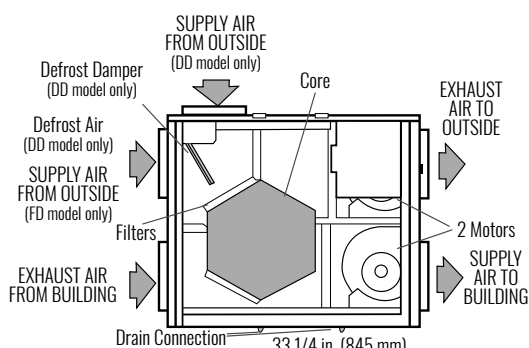
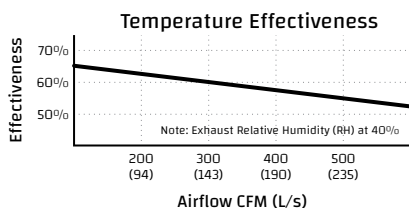
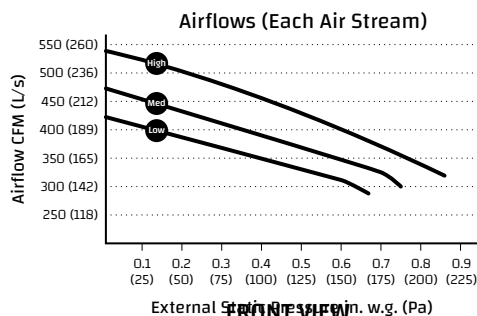
- Initiates high speed Ventilation for 20, 40 or 60 minutes
- 3 wire connection; 20 gauge wire (minimum)

99-DET02 LIFE BREATH WIRELESS 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 ft. approximate range.

99-RX02 LIFE BREATH WIRELESS REPEATER

- Used to extend range of 99-DET02 Wireless Timers when timers are out of range
- Plugs into 120V power outlet and wirelessly connects to main control and 99-DET02



WEIGHT:
150 LBS (70 KG)

SHIPPING WEIGHT:
210 LBS (90 KG)

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

AHRI 1060 Certified Core:
Contains two 68-222



WARRANTY

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

650 FD/650 DD

HEAT RECOVERY VENTILATOR



ENGINEERING DATA:

CORES

Modular (6 section) patented aluminum heat recovery cores arranged for high efficiency counter-flow ventilation.

MOTORS

Two PSG, 3 speed double shafted, 120 VAC, 3.8 Amps each (7.6 total on high speed). HP - 1/4, 1625 RPM. Watts - total on High Speed - 912. MCA: 9.5 MOP: 15

FILTERS

2 in. pleated filter MERV8 in supply air streams.

BLOWERS

Centrifugal type rated at 950 CFM (448 L/s) free air delivery. Each air stream has one double shafted motor driving two centrifugal blowers. Slide easily in and out.

CONNECTION DUCT SIZES

Three - 20 in. x 8 in. (508 mm x 200 mm). Stale air intake - 26 in. x 8 in. (660 mm x 200 mm). Model 650DD - additional 20 in. X 8 in. defrost port.

MOUNTING

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

CASE

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 in. (12 mm) O.D. Front and back access doors.

ELECTRONICS

Integrated microprocessor circuit board. Built-in interlock contacts.

DEFROST CONTROLS

650 FD - Interrupts supply air while exhaust air defrosts core.

650 DD - Supply bypass routes indoor air to defrost core.

CONTROL OPTIONS

99-BCO2 LIFE BREATH VENTILATION CONTROL

- 2 speed fan setting (Low/High)
- Humidity control through adjustable Dehumidistat
- Compatible with 99-DETO2 Wireless Timers
- 3 wire connection; 20 gauge wire (minimum)

99-500 3 SPEED CONTROL

- 3 Speed Fan setting (Low/Medium/High)
- 4 wire connection; 20 gauge wire (minimum)

99-DHO1 LIFE BREATH DEHUMIDISTAT

- Humidity control through adjustable Dehumidistat
- 3 wire connection; 20 gauge wire (minimum)

TIMERS

99-DETO1 LIFE BREATH 20/40/60 MINUTE TIMER

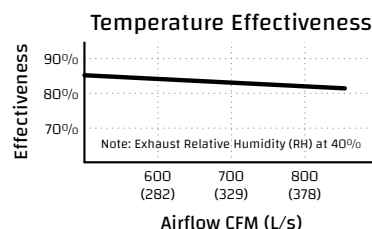
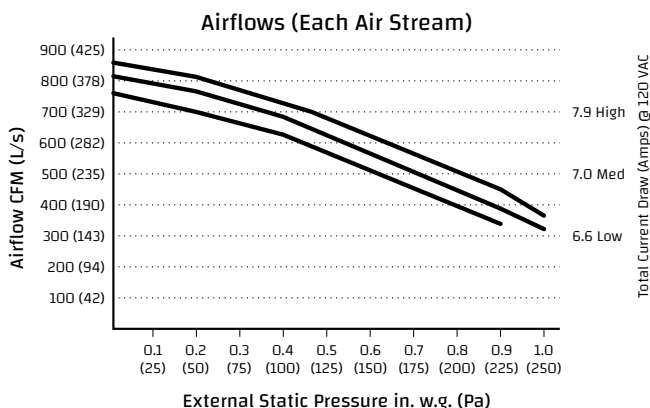
- Initiates high speed Ventilation for 20, 40 or 60 minutes
- 3 wire connection; 20 gauge wire (minimum)

99-DETO2 LIFE BREATH WIRELESS 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-RXO2 LIFE BREATH WIRELESS REPEATER

- Used to extend range of 99-DETO2 Wireless Timers when timers are out of range
- Plugs into 120V power outlet and wirelessly connects to main control and 99-DETO2



WEIGHT:
270 LBS (120 KG)

SHIPPING WEIGHT:
350 LBS (156 KG)

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

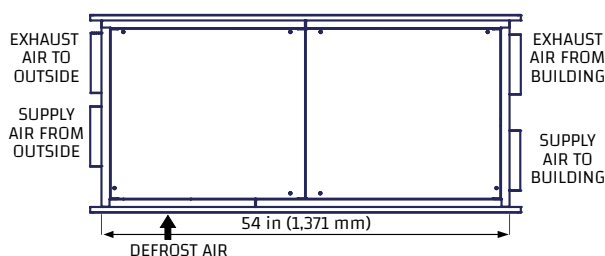
AHRI 1060 Certified Core:
Contains six 68-222



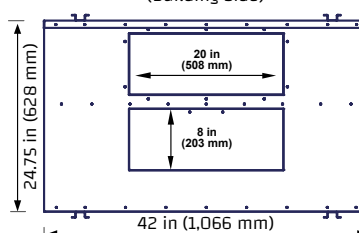
WARRANTY

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

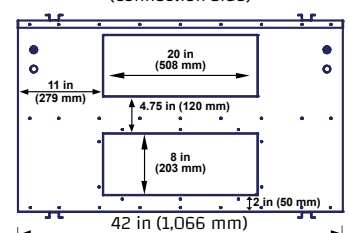
FRONT VIEW



Interior Duct (Building Side)



Exterior Duct (Connection Side)



700 FD/700 DD

HEAT RECOVERY VENTILATOR



ENGINEERING DATA:

CORES

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

MOTORS

Two PSG, 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 air filters in exhaust and supply air streams.

BLOWERS

Slide easily in / out of unit. Centrifugal type rated at 700 CFM (329 L/s) free air delivery. Each air stream 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.

FILTER OPTION

99-65-183 - 2 in. pleated MERV 8 filter for fresh air stream

DEFROST CONTROLS

700 FD - Interrupts supply air while exhaust air defrosts core.

700 DD - Supply bypass routes indoor air to defrost core.

CONTROL OPTIONS

99-BCO2 LIFE BREATH VENTILATION CONTROL

- 2 speed fan setting (Low/High)
- Humidity control through adjustable Dehumidistat
- Compatible with 99-DETO2 Wireless Timers
- 3 wire connection; 20 gauge wire (minimum)

99-500 3 SPEED CONTROL

- 3 Speed Fan setting (Low/Medium/High)
- 4 wire connection; 20 gauge wire (minimum)

99-DHO1 LIFE BREATH DEHUMIDISTAT

- Humidity control through adjustable Dehumidistat
- 3 wire connection; 20 gauge wire (minimum)

TIMERS

99-DETO1 LIFE BREATH 20/40/60 MINUTE TIMER

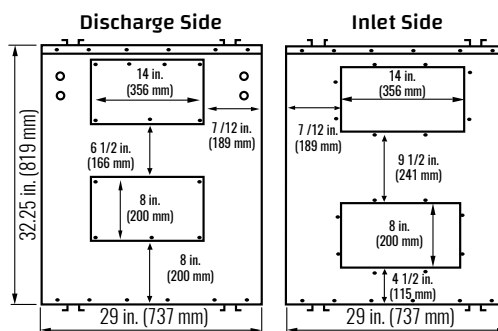
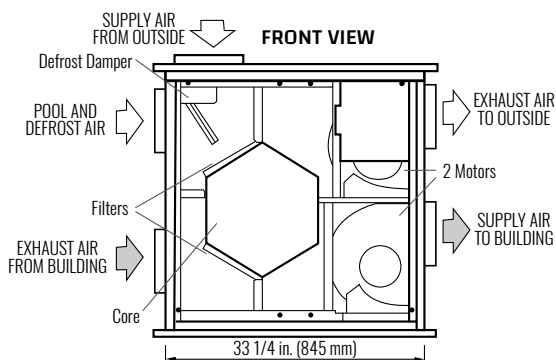
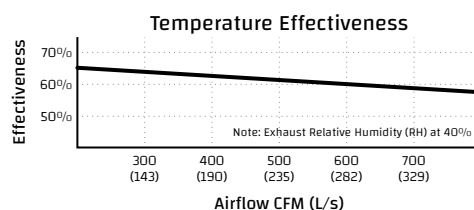
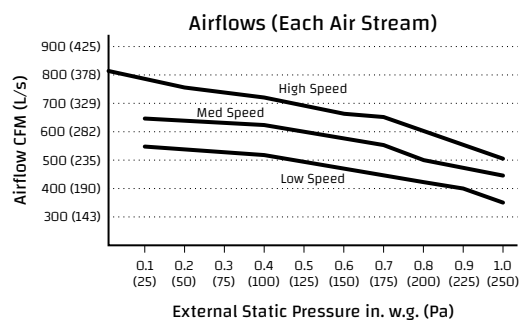
- Initiates high speed Ventilation for 20, 40 or 60 minutes
- 3 wire connection; 20 gauge wire (minimum)

99-DETO2 LIFE BREATH WIRELESS 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-RXO2 LIFE BREATH WIRELESS REPEATER

- Used to extend range of 99-DETO2 Wireless Timers when timers are out of range
- Plugs into 120V power outlet and wirelessly connects to main control and 99-DETO2



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.

AHRI 1060 Certified Core:
Contains two 68-222



WARRANTY

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

1200 FD/1200 DD HEAT RECOVERY VENTILATOR

ENGINEERING DATA:

CORES

Modular (3 section) patented aluminum heat recovery cores arranged for efficient counter-flow ventilation.

MOTORS

Two PSG, 3 speed double shafted, 120 VAC, 9.4 Amps each (18.8 total on high speed). HP - 1/2, 1625 RPM. Watts - total on high speed - 2256. MCA: 23.5 MOP: 30

FILTERS

Washable air filters in exhaust and supply air streams.

BLOWERS

Slide easily in / out of unit. Centrifugal type rated at 1200 CFM (566 L/s) free air delivery. Each air stream has one double shafted motor driving 2 centrifugal blowers.

CONNECTION DUCT SIZES

Four - 20 in. x 8 in. (508 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; two - 1/2 in. (12 mm) O.D.

ELECTRONICS

Integrated microprocessor circuit board. Built-in interlock contacts. Optional remote speed control.

DEFROST CONTROLS

1200 FD - Interrupts supply air while exhaust air defrosts core.

1200 DD - Supply bypass routes indoor air to defrost core.

CONTROL OPTIONS

99-BC02 LIFEBREATH VENTILATION CONTROL

- 2 speed fan setting (Low/High)
- Humidity control through adjustable Dehumidistat
- Compatible with 99-DETO2 Wireless Timers
- 3 wire connection; 20 gauge wire (minimum)

99-500 3 SPEED CONTROL

- 3 Speed Fan setting (Low/Medium/High)
- 4 wire connection; 20 gauge wire (minimum)

99-DH01 LIFEBREATH DEHUMIDISTAT

- Humidity control through adjustable Dehumidistat
- 3 wire connection; 20 gauge wire (minimum)

TIMERS

99-DETO1 LIFEBREATH 20/40/60 MINUTE TIMER

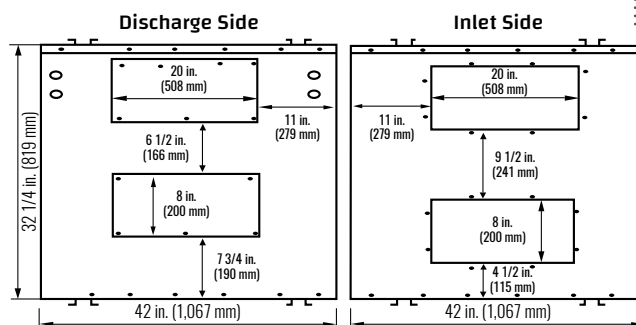
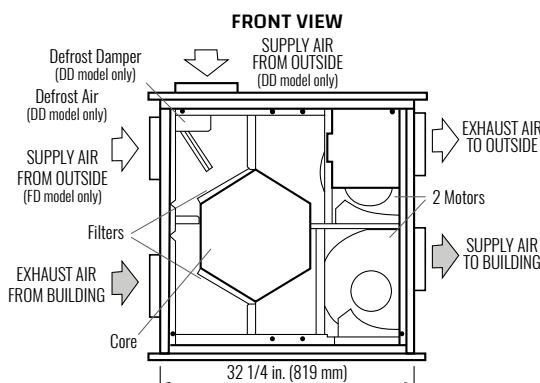
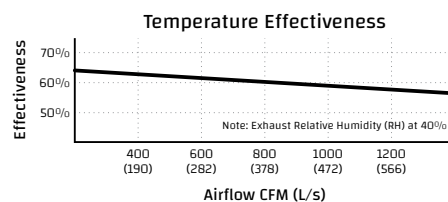
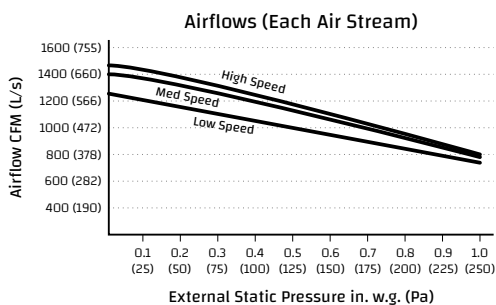
- Initiates high speed Ventilation for 20, 40 or 60 minutes
- 3 wire connection; 20 gauge wire (minimum)

99-DETO2 LIFEBREATH WIRELESS 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 LIFEBREATH WIRELESS REPEATER

- Used to extend range of 99-DETO2 Wireless Timers when timers are out of range
- Plugs into 120V power outlet and wirelessly connects to main control and 99-DETO2



WEIGHT:
285 LBS (130 KG)

SHIPPING WEIGHT:
335 LBS (152 KG)

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

AHRI 1060 Certified Core:
Contains three 68-222



WARRANTY

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

COMMERCIAL

HEAT RECOVERY VENTILATORS

INTERIOR MODELS

Models	Effectiveness @ 0°C (32°F)	Dimensions H x W x D (in.)	Product Features
1500I-ECM	65%	37 x 66.75 x 44	Airflows up to 1500 CFM*; This high efficient, 3 speed unit features brushless DC motors producing quiet, long lasting operation while reducing energy costs. Fan defrost.
2000 IFD	65%	39 x 66.75 x 57.25	Airflows up to 2500 CFM*; Fan defrost, 240 volt, single phase, single speed unit designed for interior installations.
2000 IFD-460	65%	39 x 66.75 x 57.25	Airflows up to 2500 CFM*; Fan defrost, 460 volt, 3 phase, single speed unit designed for interior installations.
2500 IFD	70%	47 x 89.9 x 38.4	Airflows up to 2600 CFM*; 3 speed fan defrost unit designed for interior installations.

EXTERIOR MODELS

Models	Effectiveness @ 0°C (32°F)	Dimensions H x W x D (in.)	Product Features
1500E-ECM	65%	41 X 69.5 X 46.5	Airflows up to 1500 CFM*; This high efficient, 3 speed unit features brushless DC motors producing quiet, long lasting operation while reducing energy costs. Fan defrost.
2000 EFD	65%	43 X 69.5 X 59.75	Airflows up to 2500 CFM*; Fan defrost, 240 volt, single phase, single speed unit designed for exterior installations.
2500 EFD	70%	47 x 89.9 x 38.4	Airflows up to 2600 CFM*; 3 speed fan defrost unit designed for exterior installations.

*Refer to model specifications for design information. Specifications are available on www.lifebreath.com



2000 EFD

1500I-ECM

HEAT RECOVERY VENTILATOR

ENGINEERING DATA:

AIRFLOW

1500 CFM (705 L/s) at 1.0 in. w.g. ESP.

PERFORMANCE

65% effective at 1500 CFM (705 L/s).

CORES

Six patented aluminum heat recovery cores arranged for efficient cross-flow ventilation.

MOTORS

Two single shaft ECM variable speed, 240V, 9.1 A, 1 ph, 1 hp. (18.2 a total) MCA: 22.8 MOP: 30

BLOWERS

Two direct drive centrifugal blowers, one per air stream.

FILTERS

Two - 20 in. x 16 in. x 2 in. (508 mm x 406 mm x 50 mm) pleated filters in each air stream. MERV 6 efficiency 60% @ 4.69 microns.

CONNECTION DUCT SIZES

Four 18 in. x 18 in. (457 mm x 457 mm).

CABINET

20 gauge powder coated steel 1 in. (25 mm) thick Elastomeric insulation.

DRAIN

Two powder coated galvanized steel drain pans with 1/2 in. (12 mm) O.D. drain connections.

MOUNTING

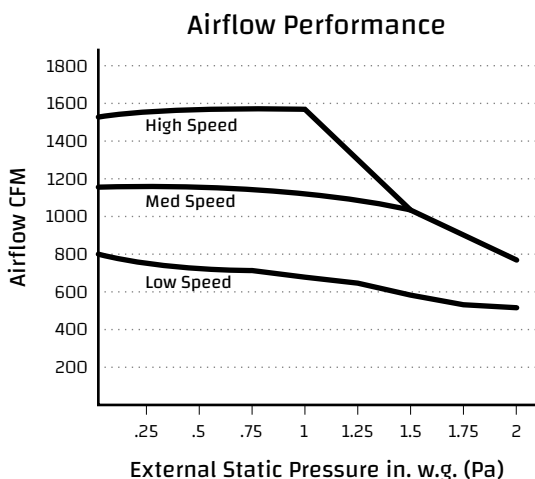
Unit to be set on support brackets hung by threaded rod type apparatus. Brackets and rod not included.

ELECTRONICS

Integrated microprocessor circuit board. Three (3) independently adjustable motor speeds.

DEFROST

Factory set defrost time. Supply motor is shut off while exhaust air defrosts core.



WEIGHT:
460 LBS (210 KG)

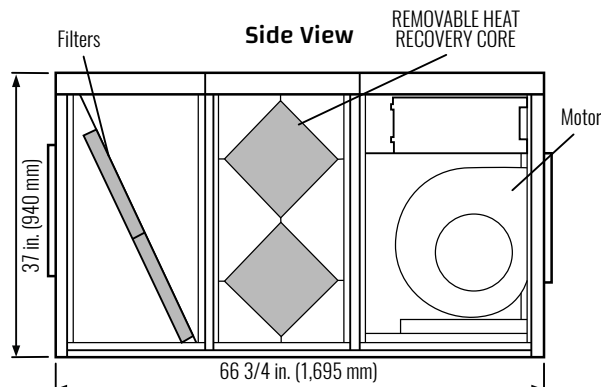
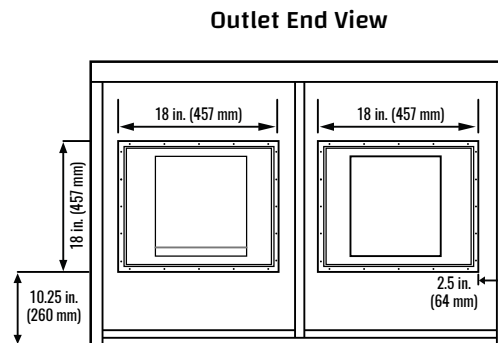
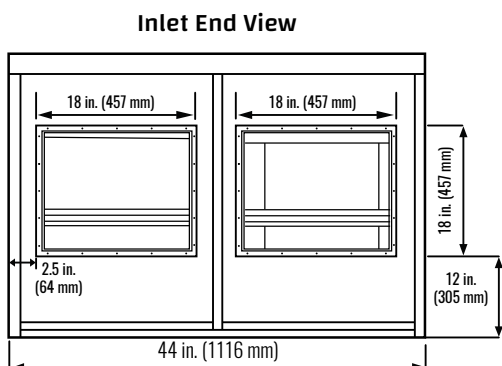
SHIPPING WEIGHT:
580 LBS (260 KG)

Note: Service clearance is 30 in.
All specifications are subject to
change without notice.

WARRANTY

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

**ISO
9001
REGISTERED**



1500E-ECM

HEAT RECOVERY VENTILATOR

ENGINEERING DATA:

AIRFLOW

1500 CFM (705 L/s) at 1.0 in. w.g. ESP.

PERFORMANCE

65% effective at 1500 CFM (705 L/s).

CORES

Six patented aluminum heat recovery cores arranged for efficient cross-flow ventilation.

MOTORS

Two single shaft ECM variable speed, 240V, 9.1 A, 1 ph, 1 hp. (18.2 a total) MCA: 22.8 MOP: 30

BLOWERS

Two direct drive centrifugal blowers, one per air stream.

FILTERS

Two - 20 in. x 16 in. x 2 in. (508 mm x 406 mm x 50 mm) pleated filters in each air stream. MERV 6 efficiency 60% @ 4.69 microns.

CONNECTION DUCT SIZES

Two 19 in. x 16 in. (482 mm x 406 mm) to and from building under cabinet. Two 18 in. x 17 in. (457 mm x 431 mm) hoods included on side of cabinet with washable screens.

CABINET

20 gauge powder coated steel 1 in. (25 mm) thick Elastomeric insulation.

DRAIN

Two powder coated galvanized steel drain pans with 1/2 in. (12 mm) O.D. drain connections.

MOUNTING

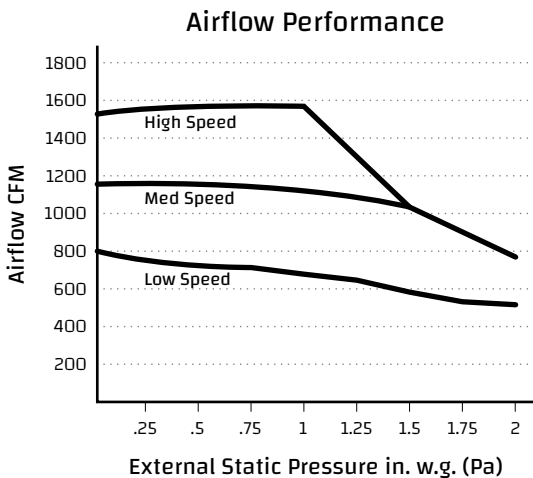
Rooftop mounted on optimal curb (Part No.53-1500)

ELECTRONICS

Integrated microprocessor circuit board. Three (3) independently adjustable motor speeds.

DEFROST

Factory set defrost time. Supply motor is shut off while exhaust air defrosts core.



WEIGHT:
530 LBS (240 KG)

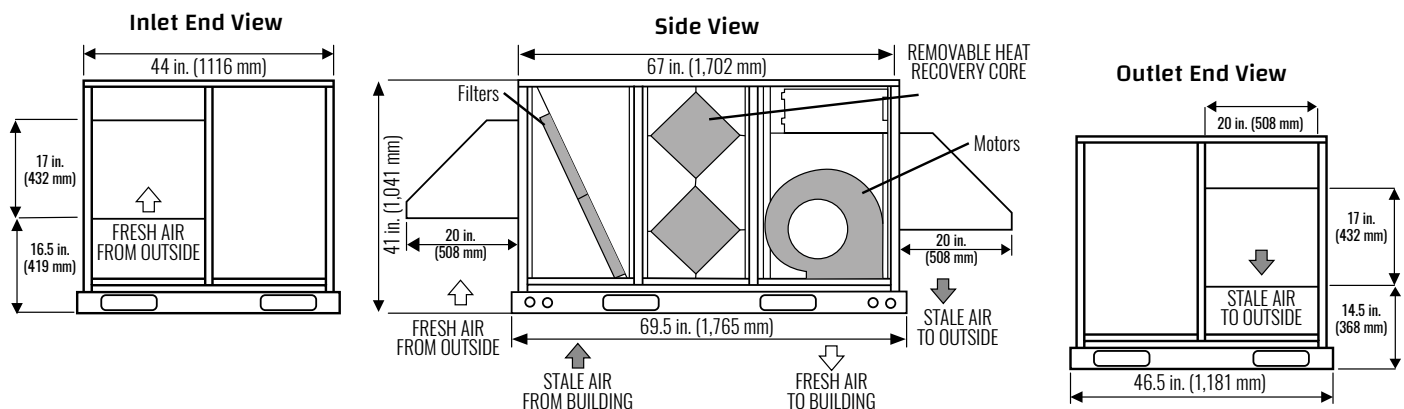
SHIPPING WEIGHT:
650 LBS (290 KG)

Note: Service clearance is 30 in.
All specifications are subject to
change without notice.

WARRANTY

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

**ISO
9001
REGISTERED**



1500I-ECM-E

HEAT RECOVERY VENTILATOR

ENGINEERING DATA:

AIRFLOW

1500 CFM (705 L/s) at 1.0 in. w.g. ESP.

PERFORMANCE

65% effective at 1500 CFM (705 L/s).

CORES

Six patented aluminum heat recovery cores arranged for efficient cross-flow ventilation.

MOTORS

Two single shaft ECM variable speed, 240V, 9.1 A, 1 ph, 1 hp. (18.2 a total) MCA: 22.8 MOP: 30

BLOWERS

Two direct drive centrifugal blowers, one per air stream.

FILTERS

Two - 20 in. x 16 in. x 2 in. (508 mm x 406 mm x 50 mm) pleated filters in each air stream. MERV 6 efficiency 60% @ 4.69 microns.

CONNECTION DUCT SIZES

Two 19 in. x 16 in. (482 mm x 406 mm) to and from building under cabinet. Two 18 in. x 17 in. (457 mm x 431 mm) hoods included on side of cabinet with washable screens.

CABINET

20 gauge powder coated steel 1 in. (25 mm) thick Elastomeric insulation.

DRAIN

Two powder coated galvanized steel drain pans with 1/2" (12 mm) O.D. drain connections.

MOUNTING

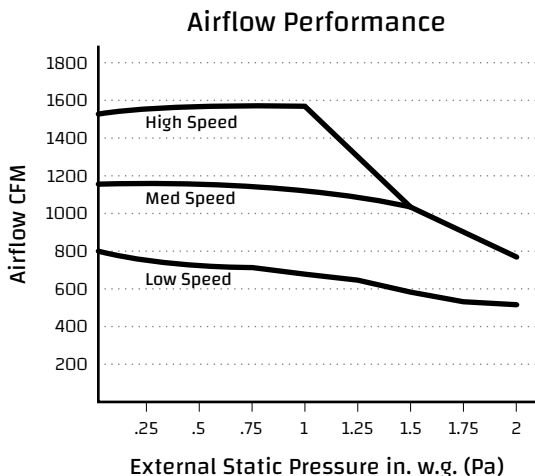
Rooftop mounted on optimal curb (Part No. 53-1500).

ELECTRONICS

Integrated microprocessor circuit board. Three (3) independently adjustable motor speeds.

DEFROST

Factory set defrost time. Supply motor is shut off while exhaust air defrosts core.



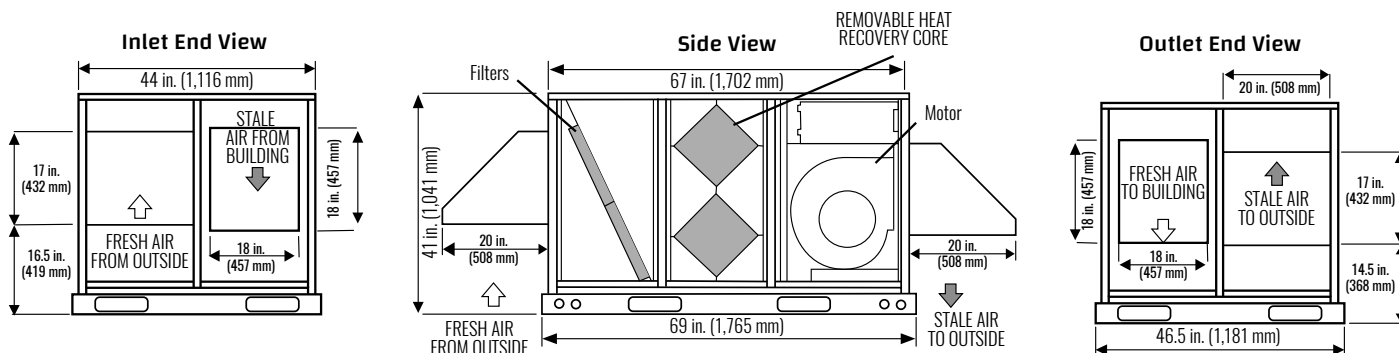
WEIGHT:
530 LBS (240 KG)
SHIPPING WEIGHT:
650 LBS (290 KG)

Note: Service clearance is 30 in.
All specifications are subject to change without notice.

WARRANTY

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

ISO
9001
REGISTERED



2000 IFD

HEAT RECOVERY VENTILATOR

ENGINEERING DATA:

AIRFLOW

2000CFM (940 L/s) at 1.0 in. w.g. ESP.

PERFORMANCE

65% effective at 2000 CFM (940 L/s).

CORES

Eight patented aluminum heat recovery cores arranged for efficient cross-flow ventilation.

MOTORS

Two ODP, 2.0 hp, 1 ph, single speed, single shaft, 240 VAC, 9.0 Amps (18.0 total) MCA: 22.5 MOP: 30

BLOWERS

Two belt drive centrifugal blowers with adjustable pulleys, one per air stream.

FILTERS

Two - 16 in. x 25 in. x 2 in. (406 mm x 635 mm x 50 mm) pleated filters in each air stream. MERV 6 efficiency 60% @ 4.69 microns.

CONNECTION DUCT SIZES

Two 20 in. x 19 in. (508 mm x 482 mm) hoods included with washable screens Two 25 in. x 16" (635 mm x 406 mm) connections to and from building under cabinet.

CABINET

20 gauge powder coated steel for superior corrosion resistance. Unit includes metal lined sides and roof panels with 2 in. fiberglass insulation (R8) between linings.

DRAIN

Two powder coated galvanized steel drain pans with 1/2 in. (12 mm) O.D. drain connections.

MOUNTING

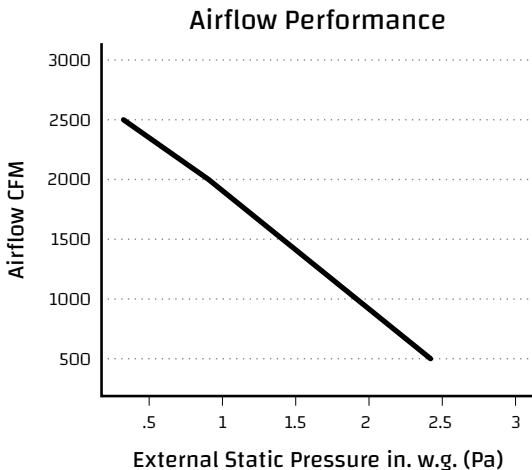
Rooftop mounted on optional curb (Part No. 53-2007).

ELECTRONICS

Integrated microprocessor circuit board.

DEFROST

Factory set defrost time. Supply motor is shut off while exhaust air defrosts core.



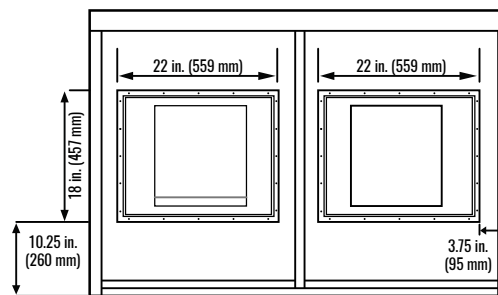
WEIGHT:
740 LBS (330 KG)
SHIPPING WEIGHT:
870 LBS (390 KG)

WARRANTY

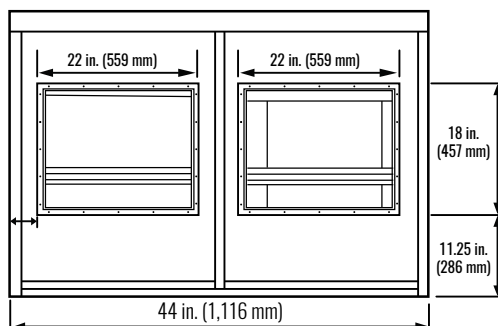
Units carry a 15 year warranty on the HRV core and a 2 year replacement parts warranty.

**ISO
9001
REGISTERED**

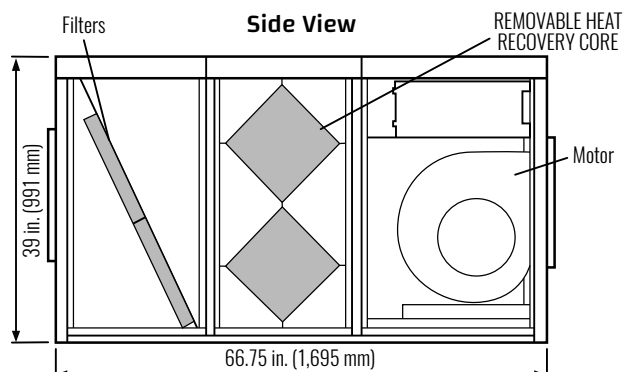
Outlet End View



Inlet End View



Side View



2000 EFD

HEAT RECOVERY VENTILATOR

ENGINEERING DATA:

AIRFLOW

2000CFM (940 L/s) at 1.0 in. w.g. ESP.

PERFORMANCE

65% effective at 2000 CFM (940 L/s).

CORES

Eight patented aluminum heat recovery cores arranged for efficient cross-flow ventilation.

MOTORS

Two ODP, 2.0 hp, 1 ph, single speed, single shaft, 240 VAC, 9.0 Amps (18.0 total) MCA: 22.5 MOP: 30

BLOWERS

Two belt drive centrifugal blowers with adjustable pulleys, one per air stream.

FILTERS

Two - 16 in. x 25 in. x 2 in. (406 mm x 635 mm x 50 mm) pleated filters in each air stream. MERV 6 efficiency 60% @ 4.69 microns.

CONNECTION DUCT SIZES

Two 20 in. x 19 in. (508 mm x 482 mm) hoods included with washable screens Two 25 in. x 16 in. (635 mm x 406 mm) connections to and from building under cabinet.

CABINET

20 gauge powder coated steel for superior corrosion resistance. Unit includes metal lined sides and roof panels with 2 in. fiberglass insulation (R8) between linings

DRAIN

Two powder coated galvanized steel drain pans with 1/2 in. (12 mm) O.D. drain connections.

MOUNTING

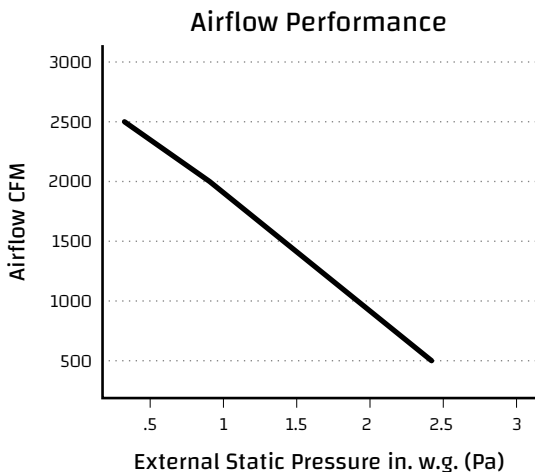
Rooftop mounted on optional curb (Part No. 53-2007).

ELECTRONICS

Integrated microprocessor circuit board.

DEFROST

Factory set defrost time. Supply motor is shut off while exhaust air defrosts core.



WEIGHT:
770 LBS (350 KG)

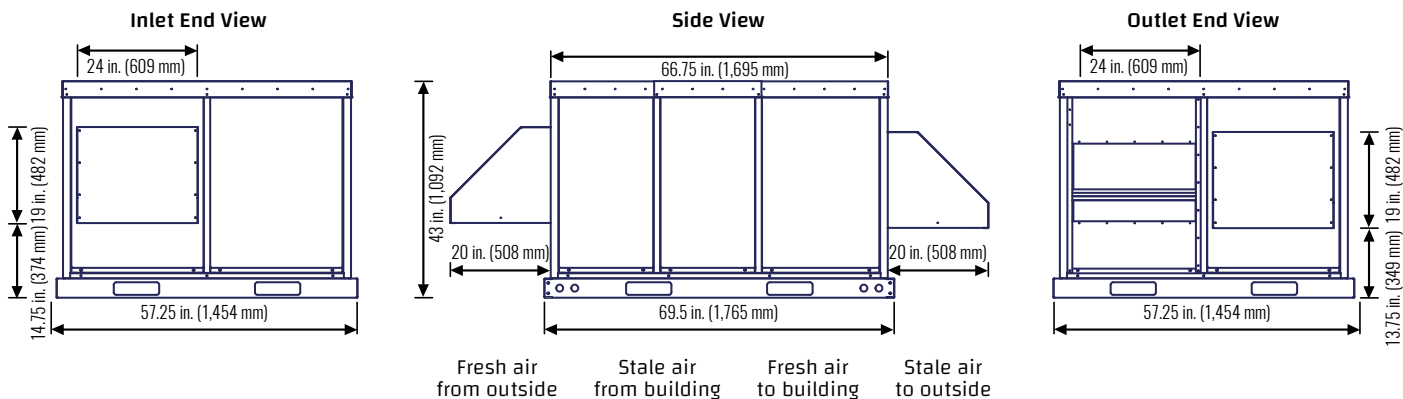
SHIPPING WEIGHT:
910 LBS (410 KG)

Note: Service clearance is 30 in. (both sides). All specifications are subject to change without notice.

WARRANTY

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

**ISO
9001
REGISTERED**



2500 IFD

HEAT RECOVERY VENTILATOR

ENGINEERING DATA:

AIRFLOW

2500 CFM (940 L/s) at 1.0 in. w.g. ESP.

PERFORMANCE

70% effective at 2500 CFM (1175 L/s).

CORES

Modular aluminum sensible heat recovery core. Plate-to-plate type. Slides out of either side of cabinet for service.

MOTORS

Two single shaft PSC, 3-speed, 240 VAC, 6.5 amps, 1ph, 1hp, 3 speed motor (2 speeds available; 13.0 amps total). MCA: 16.3 MOP: 20

BLOWERS

Two direct-drive centrifugal blowers, one per air stream.

FILTERS

Two 18 in. x 24 in. (457 mm x 610 mm) 4-inch pleated filters in each air stream.

CONNECTION DUCT SIZES

Four 24 in. X 16 in. (610mm X 406mm).

CABINET

20 gauge powder coated galvanized steel (G60) for superior corrosion resistance. 16 gauge galvanized frame, insulated with 1.0 in. fiberglass insulation to prevent condensation.

DRAIN

Two stainless steel drain pans with 1/2 in. (12 mm) NPT drain spouts.

MOUNTING

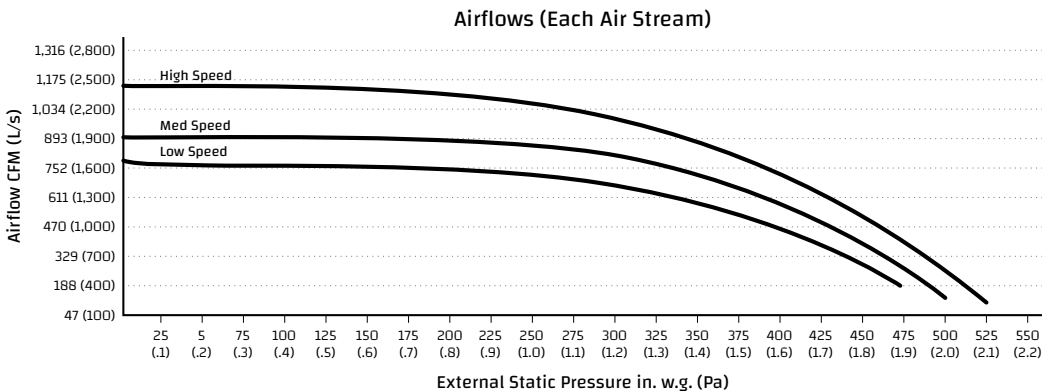
Unit can be set on floor or on support brackets hung by threaded rod type apparatus. Brackets and rod not provided.

CONTROLS

Integrated microprocessor board, optional remote 2 speed control, built in interlock contacts.

DEFROST

Factory set defrost time. Supply motor is shut off while exhaust air defrosts core.



WEIGHT:

680 LBS (308 KG)

SHIPPING WEIGHT:

900 LBS (408 KG)

Note: Removable service access panels on both sides of 2500IFD cabinet. All specifications are subject to change without notice.

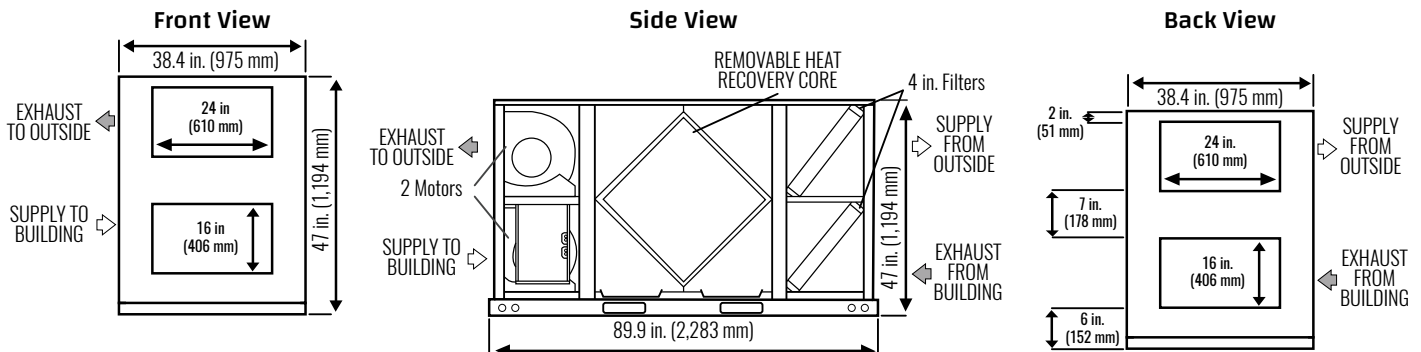
AHRI 1060 Certified Core:
Contains one 68-2500



WARRANTY

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

**ISO
9001
REGISTERED**



2500 EFD

HEAT RECOVERY VENTILATOR

ENGINEERING DATA:

AIRFLOW

2500CFM (1175 L/s) at 1.0 in. w.g. ESP.

PERFORMANCE

70% effective at 2500 CFM (1175 L/s).

CORES

Modular aluminum sensible heat recovery core. Plate-to-plate type. Slides out of either side of cabinet for service.

MOTORS

Two single shaft PSC, 3-speed, 240 VAC, 6.5 amps, 1ph, 1hp, 3 speed motor (2 speeds available; 13.0 amps total). MCA: 16.3 MOP: 20

BLOWERS

Two direct-drive centrifugal blowers, one per air stream.

FILTERS

Two 18 in. X 24 in. (457 mm x 610 mm) 4-inch pleated filters in each air stream.

CONNECTION DUCT SIZES

Two 24 in. x 16 in. (610 mm X 406 mm) to and from the building under cabinet.
Two 28 in. x 18 in. (711 mm X 457 mm) hoods included on side of cabinet with screens.

CABINET

20 gauge powder coated galvanized steel (G60) for superior corrosion resistance. 16 gauge galvanized frame, insulated with 1.0 in. fiberglass insulation to prevent condensation.

DRAIN

Two stainless steel drain pans with 1/2 in. (12 mm) NPT drain spouts.

MOUNTING

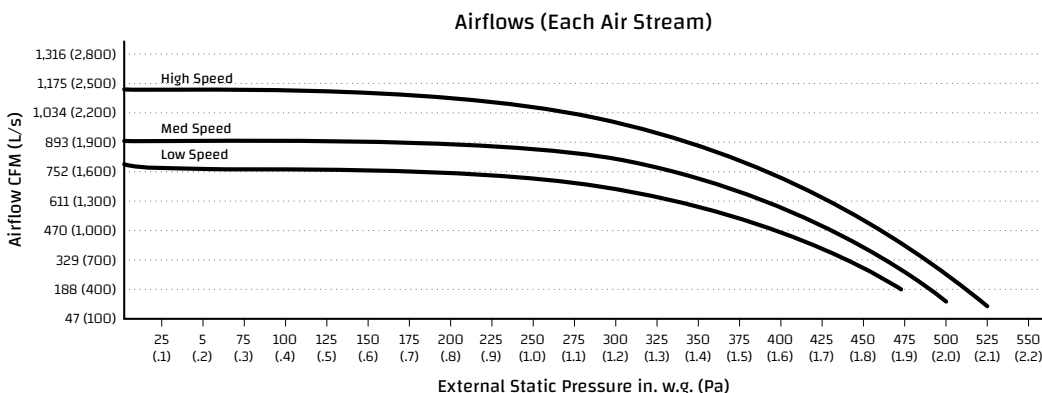
Rooftop mounted on optional roof curb (Part No. 53-2500).

CONTROLS

Integrated microprocessor board, optional remote 2 speed control, built in interlock contacts.

DEFROST

Factory set defrost time. Supply motor is shut off while exhaust air defrosts core.



WEIGHT:
710 LBS (322 KG)

SHIPPING WEIGHT:
930 LBS (422 KG)

Note: Removable service access panels on both sides of 2500EFD cabinet. All specifications are subject to change without notice.

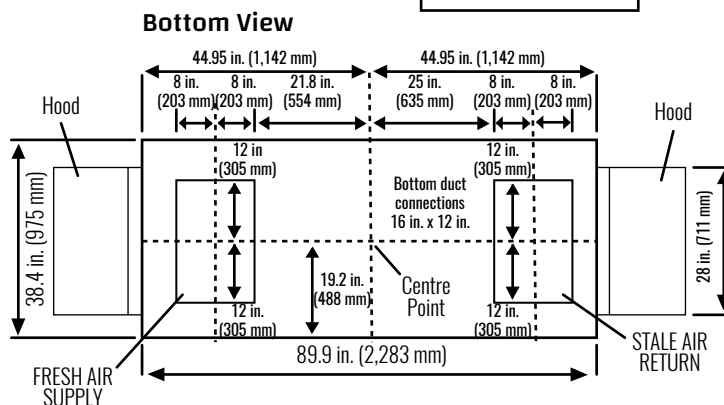
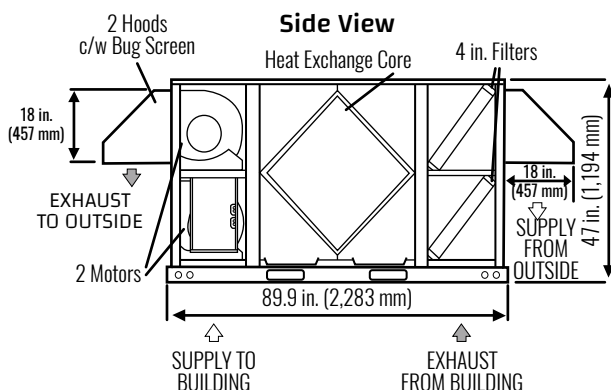
AHRI 1060 Certified Core:
Contains one 68-2500



WARRANTY

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

ISO
9001
REGISTERED



CAF SERIES

Clean Air Furnace

The Lifebreath Clean Air Furnace combines an air handler with a built-in heat recovery ventilator that provides exceptional health benefits for everyone in your home. All Lifebreath Clean Air Furnaces are available with an optional ECM motor for maximum energy savings.



Clean Air Furnace

CAF SERIES

CLEAN AIR FURNACE

MODEL NUMBER NOMENCLATURE BREAKDOWN

Example Model Number: **CAF - U - S2A - 24 - P16**

MODEL CONFIGURATION

CAF - Clean Air Furnace (Built-in HRV)

Refer to AH (Air Handler) specifications
if a built-in HRV is not required.

CONFIGURATION

U - Upflow - Return Air off Left or Right side

HYDRONIC COIL SIZE

S4A - Small Coil - 4 Row Coil

L2A - Large Coil - 2 Row Coil (available in upflow only)

L4A - Large Coil - 4 Row Coil

*CFM (HIGH SPEED) COOLING CAPACITY

24 - 2 tons

30 - 2.5 tons

36 - 3 tons

48 - 4 tons

*Cooling coils not available from Airia

MOTOR CONFIGURATION

P16 - Standard PSC Motor 120V/60Hz

E16 - Upgrade ECM Motor 120V/60Hz

ATTENTION

Refer to individual specification
pages for Hydronic Coil and Blower
outputs and configurations.

Models	Shipping H x W x D (in.)	Airflow Direction	Description
STANDARD (PSC) MOTOR MODELS			
94-CAF-U-S4A-24-P16	29.625 x 19 x 47.25	Up Flow	34,000 to 85,000 BTU Out. AC capability 2 Tons.
94-CAF-U-L4A-36-P16	29.625 x 19 x 47.25	Up Flow	38,000 to 110,000 BTU Out. AC capability 3 Tons.
94-CAF-U-L2A-48-P16	29.75 x 19 x 47.25	Up Flow	25,000 to 68,000 BTU Out. AC capability 4 Tons.
HIGH EFFICIENCY (ECM) MOTOR MODELS			
94-CAF-U-S4A-24-E16	29.625 x 19 x 47.25	Up Flow	34,000 to 85,000 BTU Out. AC capability 2 Tons.
94-CAF-U-L4A-36-E16	29.75 x 19 x 47.25	Up Flow	38,000 to 110,000 BTU Out. AC capability 3 Tons.
94-CAF-U-L2A-48-E16	29.75 x 19 x 47.25	Up Flow	25,000 to 68,000 BTU Out. AC capability 4 Tons.
NO COIL UNITS - STANDARD & ECM MOTOR MODELS			
94-CAF-U-00-24-P16	29.625 x 19 x 47.25	Up Flow	No coil. AC capability of 2 Tons.
94-CAF-U-00-24-E16	29.625 x 19 x 47.25	Up Flow/ECM	No coil. AC capability of 2 Tons.
94-CAF-U-00-48-E16	29.75 x 19 x 47.25	Up Flow/ECM	No coil. AC capability of 4 Tons.
Models	Shipping H x W x D (in.) Shipping Weight (lbs.)	Description	
CLEAN AIR FURNACE - ACCESSORIES			
99-CAF-BESKIT	15 x 15 x 13 - 14 lbs.	Bathroom exhausts kit. Replaces traditional exhaust-only bathrooms fans. Not compatible with horizontal CAF models.	
99-CAF-DAMP	32 x 10 x 6.5 - 8 lbs.	Motorized damper kit for Clean Air Furnace.	

AIR HANDLERS

Lifebreath Hydronic Air Handlers

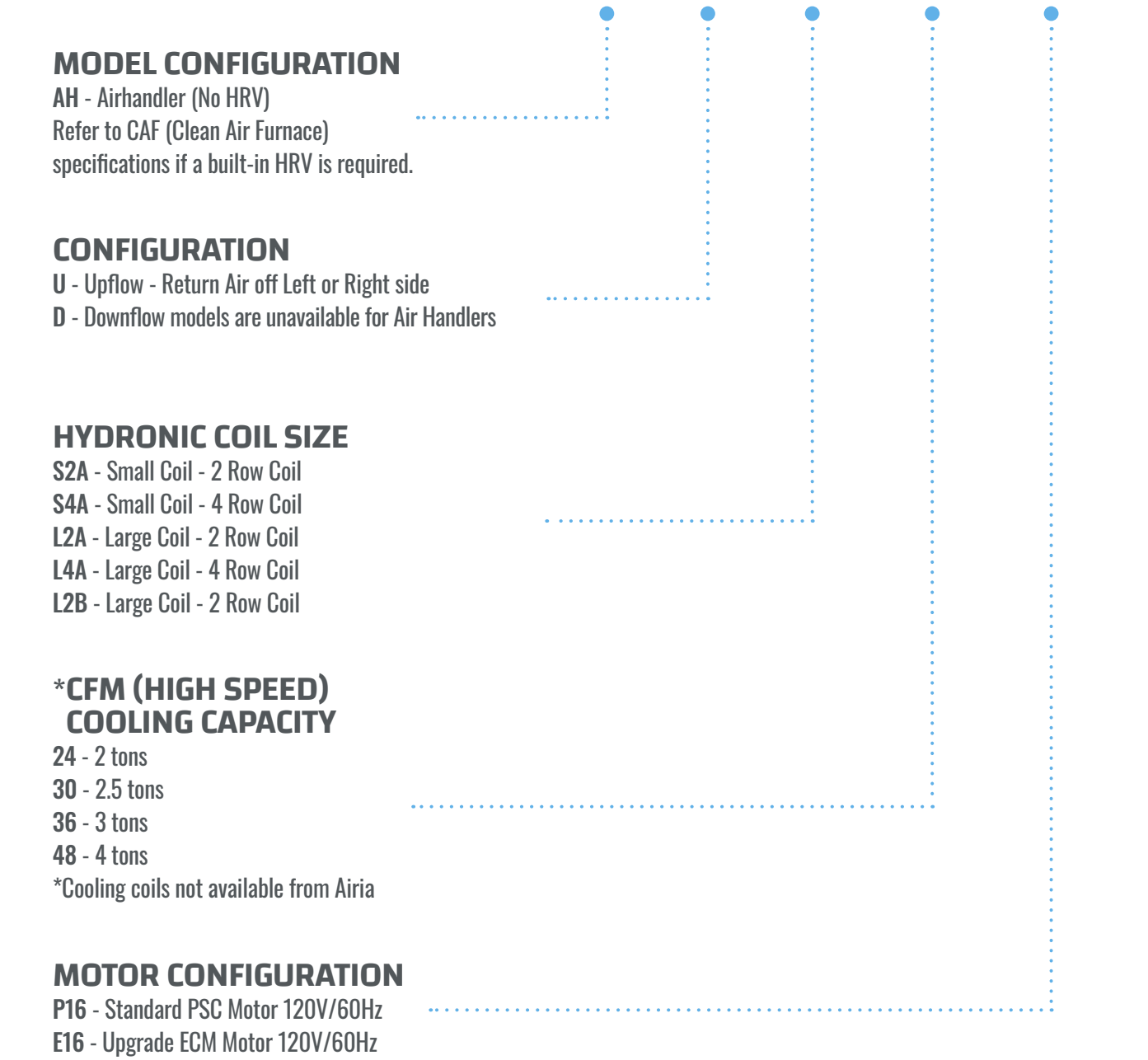
Hydronic heat produces a uniform and temperate supply air temperature eliminating hot/cold spikes in the home.



Lifebreath Hydronic Air

MODEL NUMBER NOMENCLATURE BREAKDOWN

Example Model Number: **AH - U - S2A - 24 - P16**



ATTENTION

Refer to individual specification pages for Hydronic Coil and Blower outputs and configurations.

AIR HANDLERS

LIFEBREATH HYDRONIC AIR

Models	Shipping H x W x D (in.)	Airflow Direction	Description
STANDARD (PSC) MOTOR MODELS			
AH-U-S4A-24-P16	29.75 x 19 x 32.25	Up Flow	34,000 to 85,000 BTU Out. AC capability 2 Tons.
AH-U-L4A-36-P16	29.75 x 19 x 32.25 125lbs	Up Flow	38,000 to 110,000 BTU Out. AC capability 3 Tons.
HIGH EFFICIENCY (ECM) MOTOR MODELS			
AH-U-S4A-24-E16	29.75 x 19 x 32.25 125lbs	Up Flow	34,000 to 85,000 BTU Out. AC capability 2 Tons.
AH-U-L4A-36-E16	29.75 x 19 x 32.25 125lbs	Up Flow	38,000 to 110,000 BTU Out. AC capability 3 Tons.
AH-U-S2A-30-E16	29.75 x 19 x 32.25 125lbs	Up Flow	27,000 to 56,000 BTU Out. AC capability 2.5 Tons.
AH-U-L2A-36-E16	29.75 x 19 x 32.25	Up Flow	25,000 to 68,000 BTU Out. AC capability 3 Tons.
AH-U-L2B-48-E16	29.75 x 19 x 36.374 125lbs	Up Flow	38,000 to 79,000 BTU Out. AC capability 4 Tons.

TFP SERIES

Turbulent Flow Precipitators

Revolutionizing home air cleaning, combining two particle capture technologies to ensure clean, healthy air throughout your home. It allows air to circulate freely without putting any extra load on your air distribution system. The TFP removes 99.97% of health-threatening particles from the air in your home.



TFP 3000 HEPA

TFP SERIES

TURBULENT FLOW PRECIPITATORS

ENGINEERING DATA:

MOTORS AND BLOWERS

High efficiency PSC Motor - 150 CFM @ .4 in. WC 110 watts - 120 VAC. Standard three prong plug to receptacle. The TFP is equipped with a standard power supply of 5 ft. 5 in. (1.6 meters) cable.

COLLECTOR AND FILTERS

One replaceable TFP collector and one replaceable HEPA filter. Easy to remove for cleaning and replacement. Annual inspection recommended.

MOUNTING TFP 3000 HEPA

1. Mount to the furnace return
2. Mount between the HRV and the furnace
3. Hang from a joist and duct to the furnace
4. Stand alone installation

MOUNTING TFP 3000 HEPA - RTO

The TFP 3000-RTO air cleaner is to be mounted directly to the return duct of the forced air system. Two 4 x 8 rectangular duct connections on back of unit.

OPTIONS

65-502R: One replacement HEPA Filter.

65-503R: One replacement TFP Collector.

99-TFP OPTIONAL INSTALLATION KIT (TFP 3000 HEPA ONLY):

- Two 7 in. Duct Connection Collars
- 12.5 in. length of 7 in. non-insulated flex duct
- Four nylon zip ties

WARRANTY

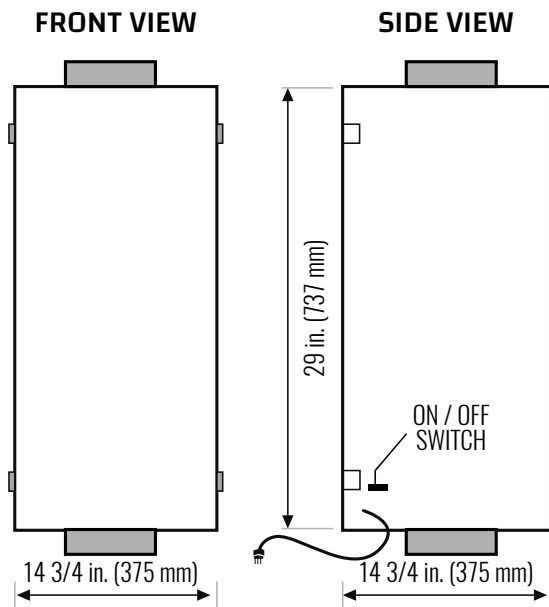
Units carry a 5 year replacement parts warranty. No warranty on collector/filter.

ISO
9001
REGISTERED

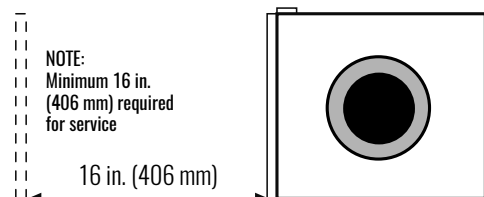
CSA
US
Conforms to UL Standards

TFP 3000 HEPA

All duct connections are 7 in. (178 mm).

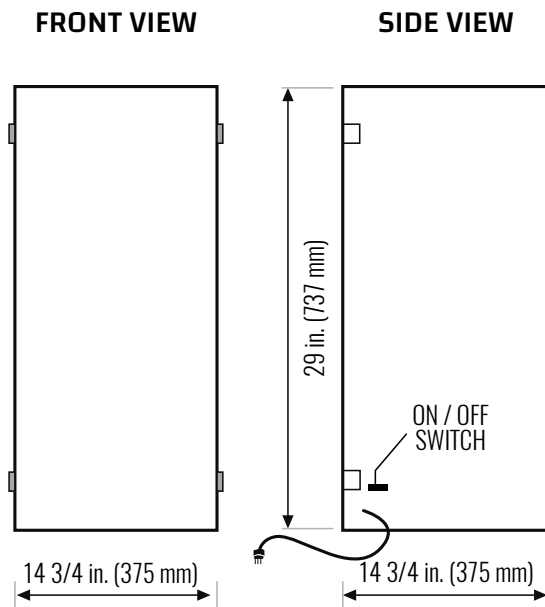


END VIEW

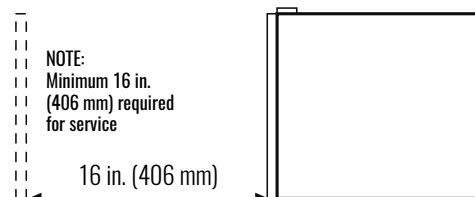


TFP 3000 HEPA - RTO

All duct connections are 8 in. (203 mm) by 4 in. (102 mm).



END VIEW



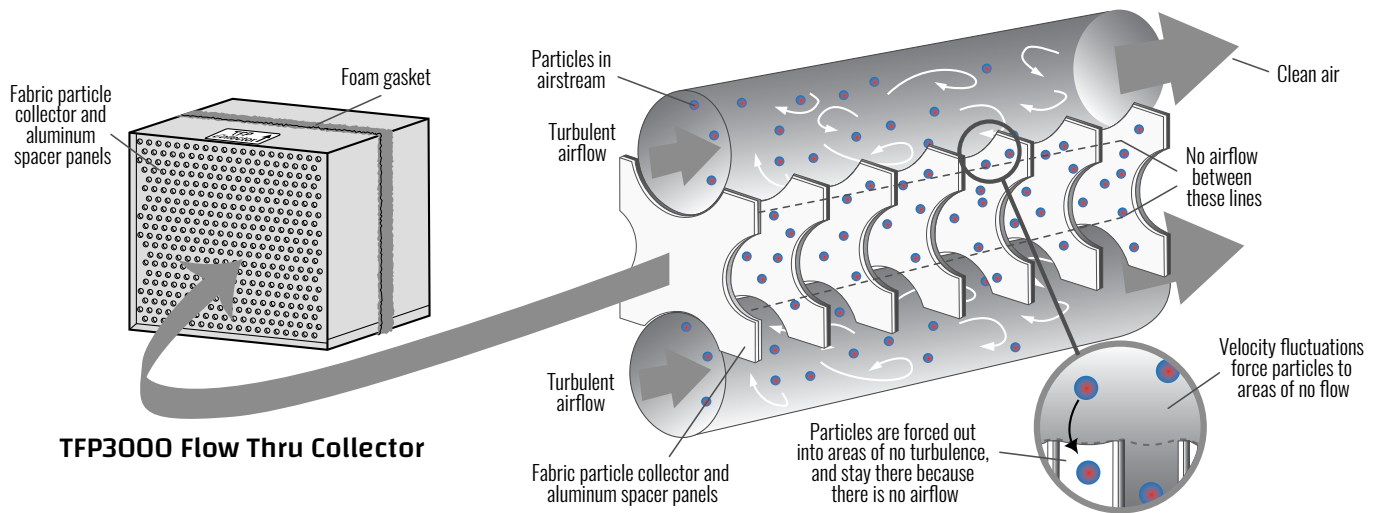
TFP SERIES

TURBULENT FLOW PRECIPITATORS

THE TURBULENT FLOW PRECIPITATION PRINCIPLE

The Lifebreath True HEPA TFP Air Cleaner uses “Turbulent Flow Precipitation” to remove the millions of dangerous airborne particles in your home. This technology is based on the Dullien Principle which removes tiny airborne particles which enter the lungs and can cause respiratory problems. The quiet operating unit has a high efficiency fan motor and a foil faced insulated cabinet that is easy to clean.

Magnified detail of collector panel



MODEL TFP3000 HEPA

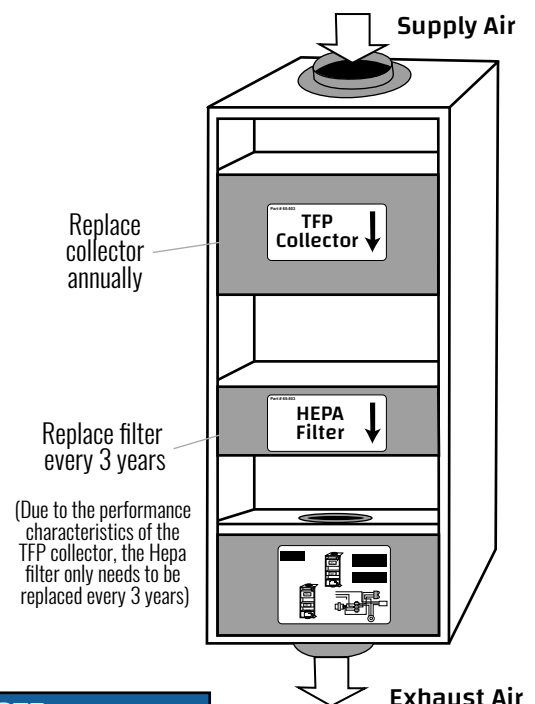
TFP (Turbulent Flow Precipitator) Technology removes health threatening particles from the air far more effectively than most other residential cleaners. It operates continuously at maximum efficiency without the need for constant adjustment and cleanout. Unlike some air cleaners, it introduces absolutely no ozone into your home. It cleans the air throughout your home, benefiting all the family, all the time. The TFP allows air to circulate freely, without putting any extra load on your air distribution system.

Q: Is the TFP a patented unique technology or just another filter?

A: Airia Energy Systems hold the patent for this TFP technology. The TFP series is the only one of its kind.

Q: How much maintenance is involved and how often do the filters need to be replaced?

A: As tested under average household dust loading, the TFP should be inspected annually. Typically the primary collector should be replaced annually and the secondary collector should be replaced every 2 years.



NOTE

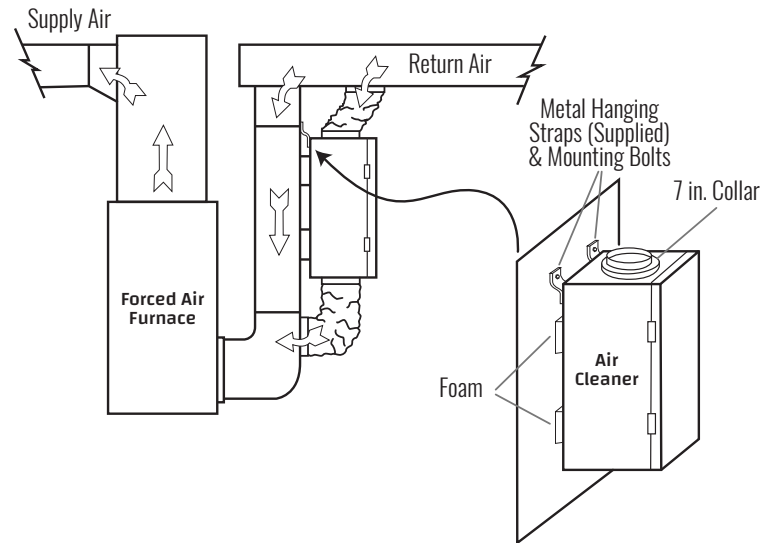
Collector and HEPA Filter life expectancies are based on normal household use.

TYPE 1 TFP INSTALLATION

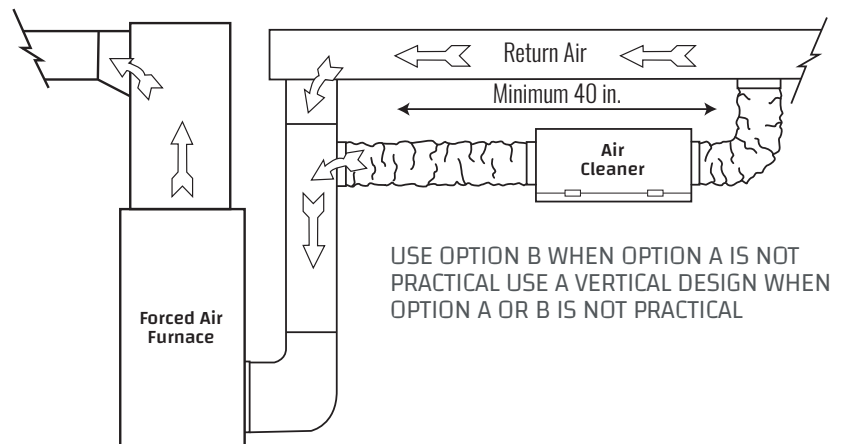
OPTION A STANDARD DESIGN

ATTENTION

The furnace fan and/or HRV must operate continuously for Type 1 and Type 2 installations. If they do not operate continuously, then interlocking them electrically with the TFP is acceptable. Consult a certified electrician.

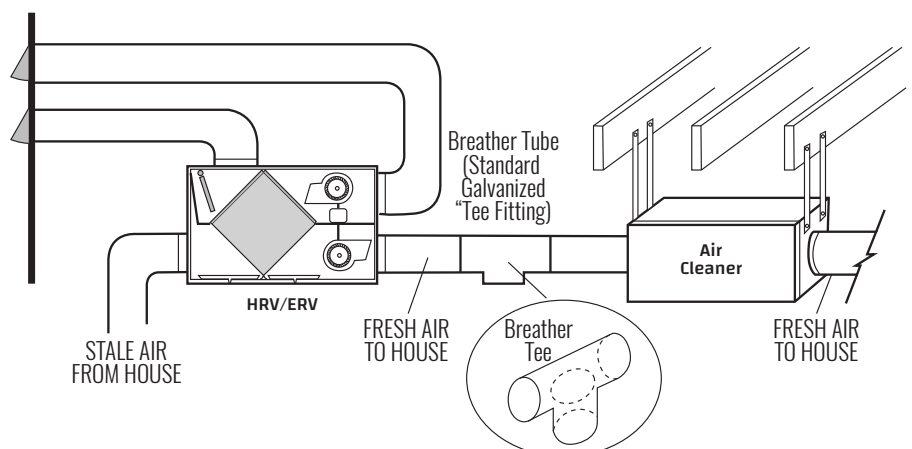


OPTION B HORIZONTAL DESIGN



TYPE 2 TFP INSTALLATION

FULLY DEDICATED HRV SYSTEM



RESIDENTIAL HRV & ERV INSTALLATION METHODS



95 MAX
RNC 95



100 ECM
155 MAX
155 MAX RX

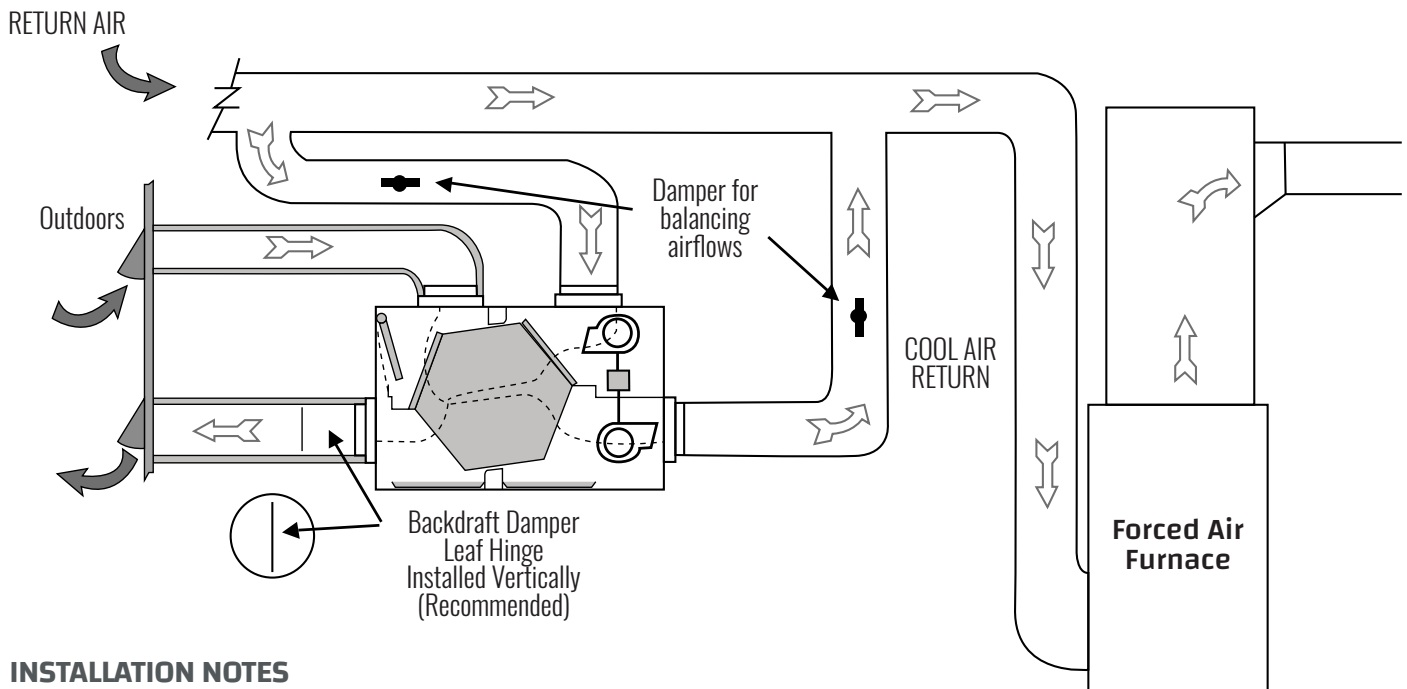


195 DCS

HRV/ERV INSTALLATION

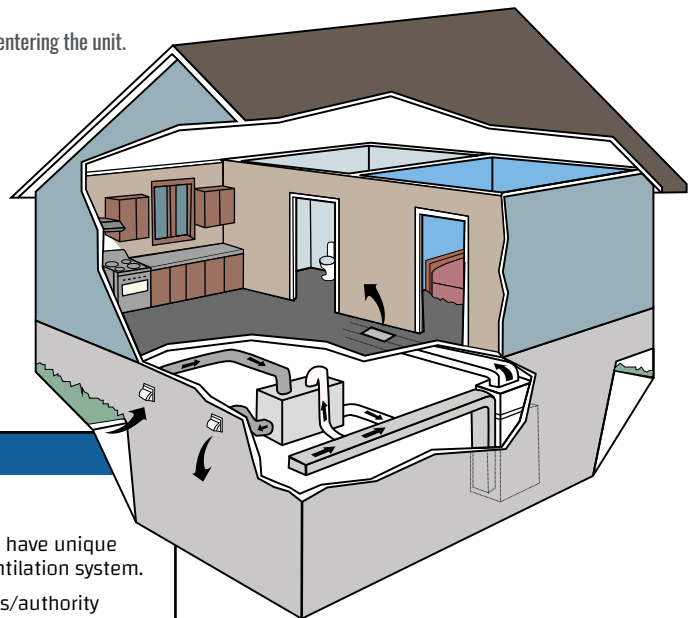
SIMPLIFIED INSTALLATION (RETURN/RETURN METHOD) SPRING-LOADED BACKDRAFT DAMPER (RECOMMENDED)

Install the Backdraft Damper with the leaf hinge vertical. The damper is installed on the “Stale Air to Outside Collar”.



INSTALLATION NOTES

- The HRV/ERV must be balanced.
- Unit should be balanced on high speed with the furnace blower on.
- It is mandatory that the furnace blower run continuously or HRV/ERV operation be interlocked with the furnace blower.
- The duct configuration may change depending on the HRV/ERV model.
- A back draft damper is recommended in the exhaust air duct to prevent outdoor air from entering the unit.
- The airflow must be confirmed on site using the balancing procedures found in this guide.



ATTENTION

- Check local codes/authority having jurisdiction for acceptance.
- Applications such as greenhouses, atriums, swimming pools, saunas, etc. have unique ventilation requirements which should be addressed with an isolated ventilation system.
- Weatherhood arrangement is for drawing purposes only. Check local codes/authority having jurisdiction for acceptance.
- Backdraft dampers are recommended for the stale air to outside air duct. This damper prevents outdoor air from entering the HRV/ERV during the operation of the furnace/air handler while the HRV/ERV is in standby, off, or recirculating.

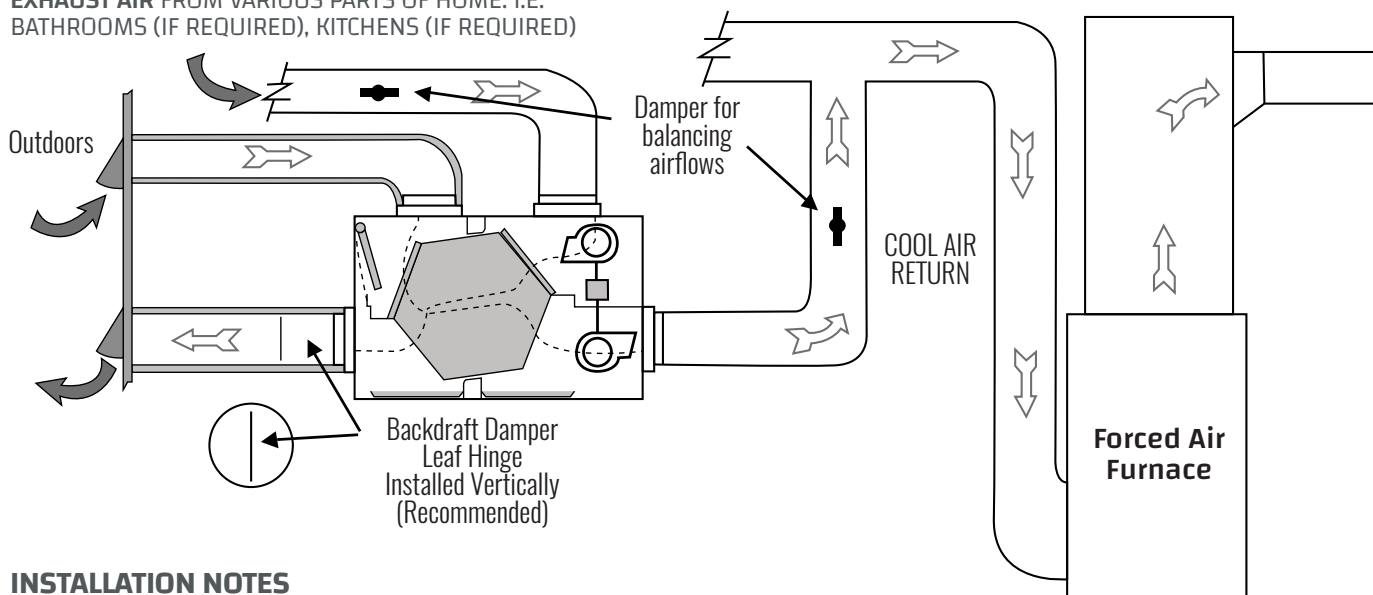
HRV/ERV INSTALLATION

PARTIALLY DEDICATED SYSTEM

SPRING-LOADED BACKDRAFT DAMPER (RECOMMENDED)

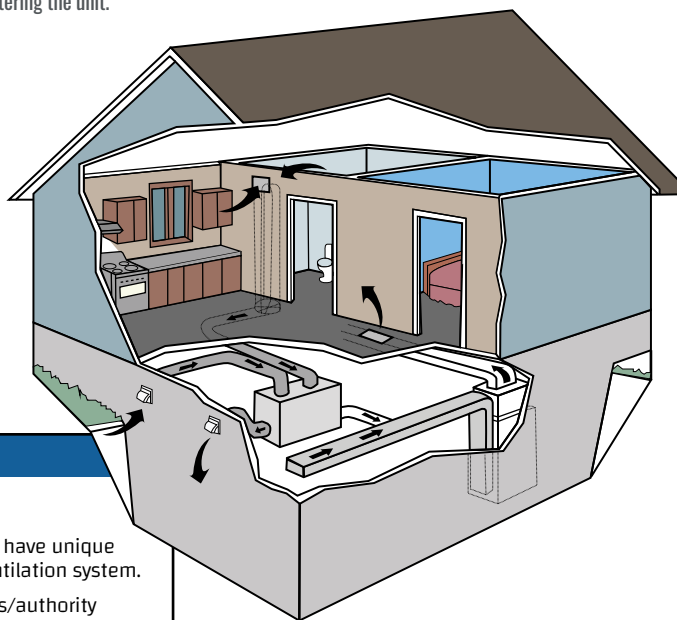
Install the Backdraft Damper with the leaf hinge vertical. The damper is installed on the “Stale Air to Outside Collar”.

EXHAUST AIR FROM VARIOUS PARTS OF HOME. I.E.
BATHROOMS (IF REQUIRED), KITCHENS (IF REQUIRED)



INSTALLATION NOTES

- The HRV/ERV must be balanced.
- Unit should be balanced on high speed with the furnace blower on.
- It is recommended that the furnace blower run continuously or HRV/ERV operation be interlocked with the furnace blower. Refer to building code.
- The duct configuration may change depending on the HRV/ERV model.
- A backdraft damper is recommended in the exhaust air duct to prevent outdoor air from entering the unit.
- The airflow must be confirmed on site using the balancing procedures found in this guide.



ATTENTION

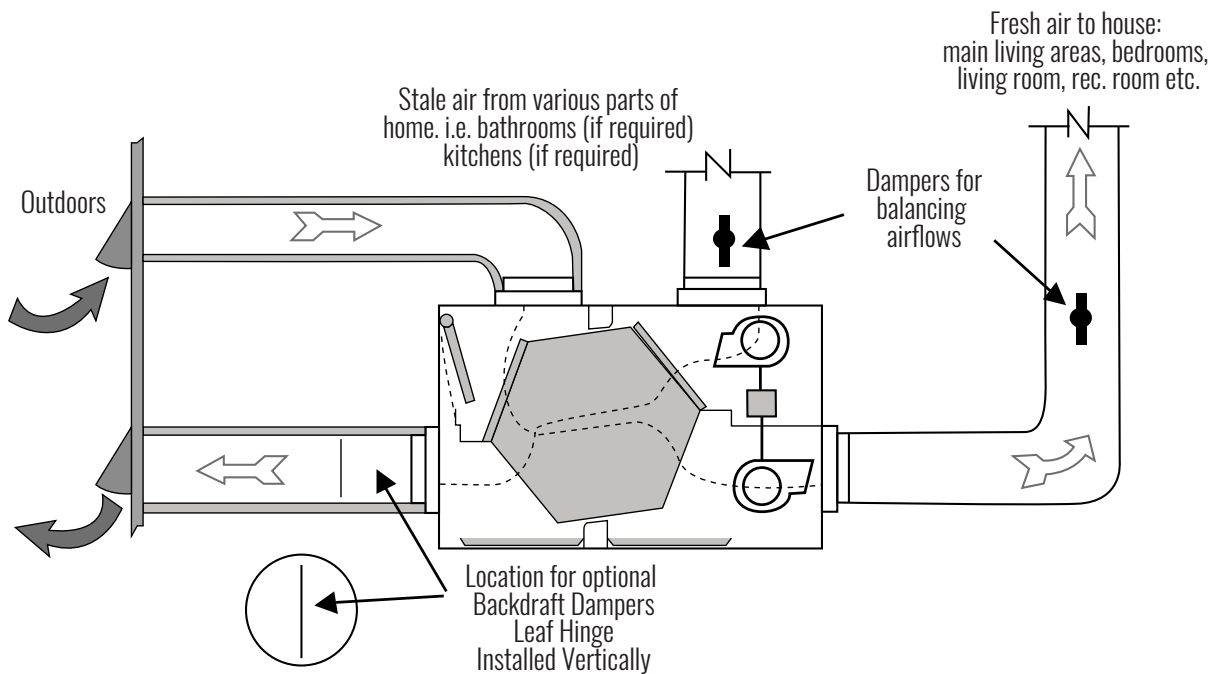
- Check local codes/authority having jurisdiction for acceptance.
- Applications such as greenhouses, atriums, swimming pools, saunas, etc. have unique ventilation requirements which should be addressed with an isolated ventilation system.
- Weatherhood arrangement is for drawing purposes only. Check local codes/authority having jurisdiction for acceptance.
- Backdraft dampers are recommended for the stale air to outside air duct. This damper prevents outdoor air from entering the HRV/ERV during the operation of the furnace/air handler while the HRV/ERV is in standby, off, or recirculating.

HRV/ERV INSTALLATION

FULLY DEDICATED SYSTEM

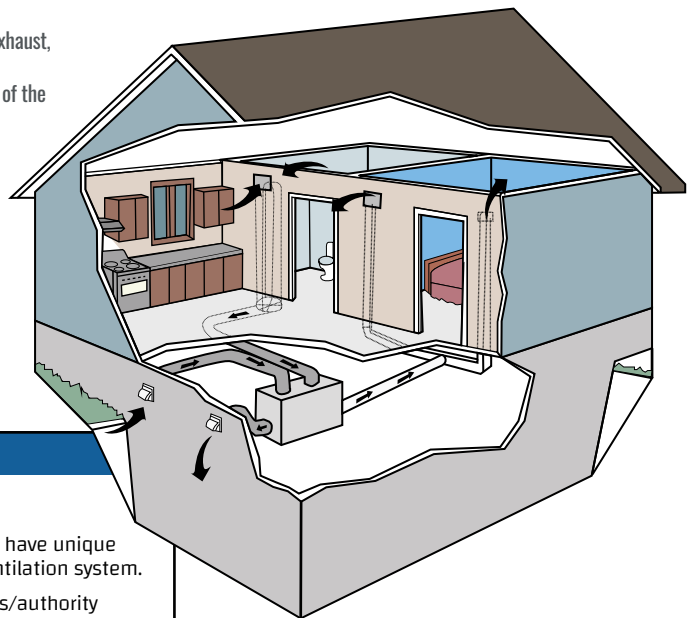
SPRING-LOADED BACKDRAFT DAMPER (RECOMMENDED)

There is a location for an optional Backdraft Damper with the leaf hinge vertical. The damper is installed on the “Stale Air to Outside Collar” Suitable for Mini Split and Baseboard HVAC System.



INSTALLATION NOTES

- The HRV/ERV must be balanced.
- When balancing, all external exhaust systems should be turned off (i.e.: range hood, dryer exhaust, bathroom vents)
- All exhausting appliances should have their own make-up air, as this is not an intended use of the HRV/ERV system.
- The duct configuration may change depending on the HRV/ERV model.
- The airflow must be confirmed on site using the balancing procedures found in this guide.



ATTENTION

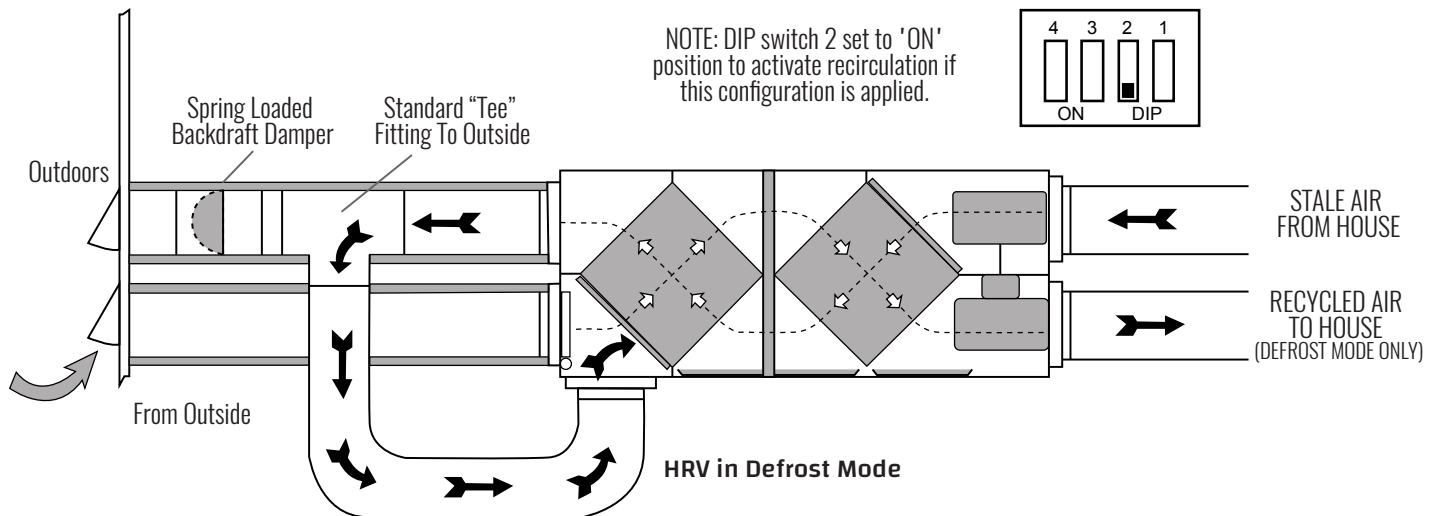
- Check local codes/authority having jurisdiction for acceptance.
- Applications such as greenhouses, atriums, swimming pools, saunas, etc. have unique ventilation requirements which should be addressed with an isolated ventilation system.
- Weatherhood arrangement is for drawing purposes only. Check local codes/authority having jurisdiction for acceptance.
- Backdraft dampers are recommended for the stale air to outside air duct. This damper prevents outdoor air from entering the HRV/ERV during the operation of the furnace/air handler while the HRV/ERV is in standby, off, or recirculating.

HRV INSTALLATION

DUCT CONFIGURATION

OPTIONAL DUCT CONFIGURATION FOR MODELS WITH 5TH PORT: 195DCS, 195ECM, AND 300DCS

DUCTING CONFIGURATION RESULTS IN RECIRCULATING DEFROST.



ATTENTION

Use this ducting configuration to make a non-recirculating defrost unit operate as a recirculating defrost unit.