



# SPECIFICATIONS

Setting a new standard  
for energy efficient  
clean air homes  
and businesses.





## ABOUT LIFEBREATH

For over 30 years Airia Brands Inc. has manufactured indoor air quality products to a worldwide customer base. Product development, research, testing, manufacturing, marketing, sales and technical support are headquartered at our 65,000 square foot facility in London, Ontario, Canada. We are recognized worldwide for the quality and performance of our Lifebreath product line, our customer service and our technical support. We will continue to lead the industry with technical innovations in our products, the highest level of customer support, superior warranties, and proven proficiency in manufacturing.

## PRODUCTS

We hold seven U.S. patents including some of the most important and leading edge technologies in the industry, including: heat recovery ventilator, air to air exchanger core (HRV and ERV core), combined furnace and heat recovery system, and more. Many more patents are pending. Our eco-friendly and energy efficient solutions include ECM motors in many models and digital controls that allow customers to personalize HRV and ERV operation for their environment.

Everything in our line is designed for superior performance and low maintenance to ensure complete installer and customer satisfaction.



## ENERGY STAR

Airia Brands Inc., proud manufacturers of Lifebreath® products, are an active participant of the ENERGY STAR® program. The ENERGY STAR® symbol identifies products that meet or exceed stringent energy efficiency criteria achieving uncompromised performance. Our commitment to high performance and energy efficiency has always been of paramount importance to Airia Brands, and most Lifebreath® residential products qualify for this important energy efficiency benchmark. ENERGY STAR® products may qualify for energy efficiency rebates. Incentive programs vary by geography and date. Check industry programs in your area for qualifying incentives.

## LOOK FOR THIS SYMBOL



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.

Certified Lifebreath® HRV products include: 65 MAX, 95 MAX, 155 MAX, 205 MAX, 100 ECM, 195 ECM, 195 DCS, 300 DCS, RNC 95, RNC5-ES, RNC 155, RNC 205, RNC4-TPD, RNC4-TPF.



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For additional information about Lifebreath® products in this catalogue, downloads and much more, visit us at:

[www.lifebreath.com](http://www.lifebreath.com)

- 65 MAX
- 95 MAX
- 100 ECM
- 155 MAX / 155 MAX RX
- 205 MAX
- 195 DCS
- 195 ECM
- 300 DCS



100ECM  
155MAX  
155MAX RX

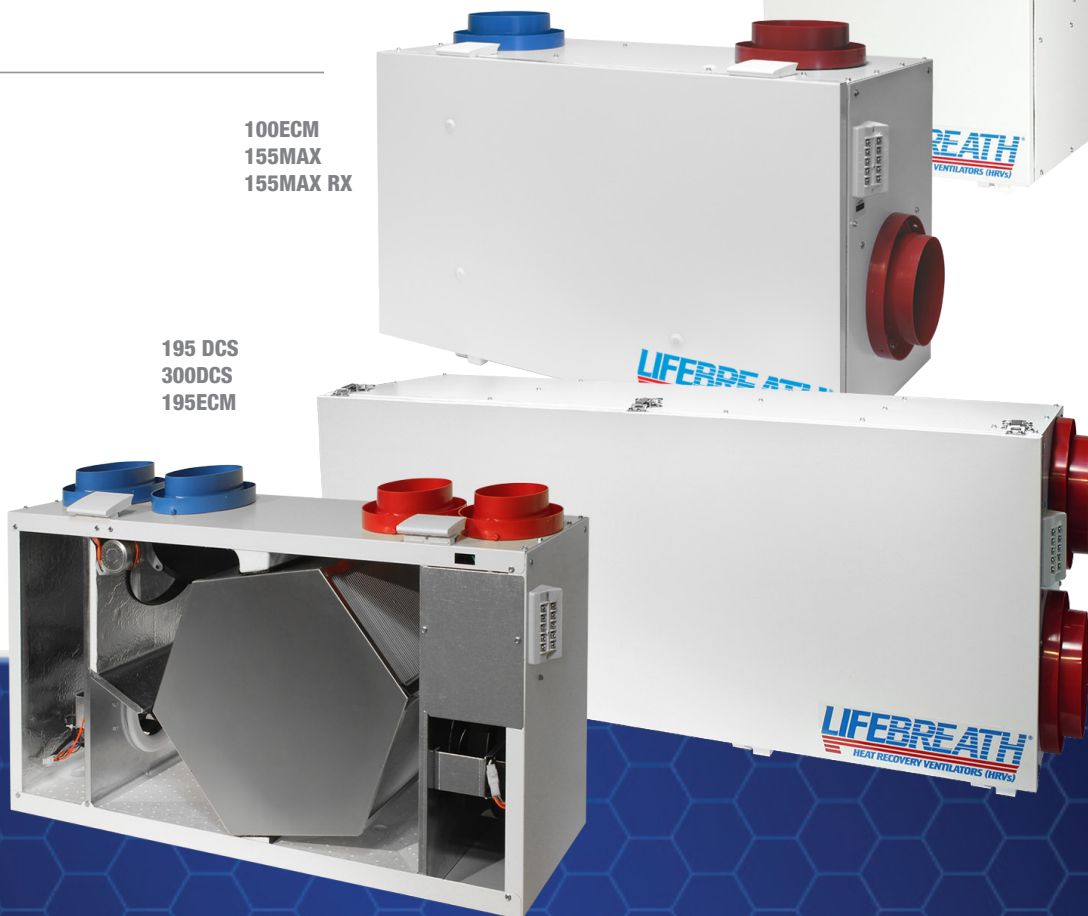
195 DCS  
300DCS  
195ECM

205 MAX

65 MAX











95 MAX





## Model Description

Model	Description H x W x D (in)	Airflow cfm (L/s)					Effectiveness @ 0 °C (32 °F)	Performance Highlights
		.1 (25 Pa)	.2 (50 Pa)	.3 (75 Pa)	.4 (100 Pa)	.5 (125 Pa)		
<b>65 MAX*</b>	Recirculating Defrost 19.25 x 17.8 x 18.75	74 (35)	70 (33)	64 (30)	58 (27)	53 (25)	78%	Most compact unit to date with door port balancing. Top port design suited for tight spaces. 4" duct connections. Featuring the high efficiency HEX core. 
<b>95 MAX*</b>	Recirculating Defrost 25 x 18.5 x 16	69 (32)	66 (31)	64 (30)	60 (28)	55 (26)	88%	Top port, compact unit. Ideally suited for tight installations. Highest efficiency in its class. 
<b>100 ECM*</b>	Recirculating Defrost 18.75 x 33.62 x 14.75	161 (76)	143 (68)	128 (61)	114 (54)	98 (46)	78%	Features a highly efficient energy saving ECM motor, door port balancing and the new high efficiency HEX core. 
<b>155 MAX*</b>	Recirculating Defrost 18.75 x 33.62 x 14.75	184 (87)	163 (77)	146 (69)	132 (62)	115 (54)	84%	Horizontal model, with door port balancing. Featuring the new high efficiency HEX core. Also available in reverse design (155MAX-RX) 
<b>205 MAX*</b>	Recirculating Defrost 18.75 x 33.62 x 15	222 (105)	207 (98)	193 (91)	179 (84)	165 (78)	77%	New top port design for flexible installations, with door port balancing featuring the new high efficiency HEX core. 
<b>195 DCS*</b>	Damper Defrost 18.75 x 49 x 14.75	216 (101)	195 (92)	181 (85)	158 (74)	144 (68)	86%	Dual core system for maximum heat recovery and energy efficiency 
<b>195 ECM*</b>	Damper Defrost 18.75 x 49 x 14.75	191 (90)	184 (86)	177 (83)	169 (80)	159 (75)	85%	Dual core system combined with an ECM motor for maximum heat recovery and energy efficiency 
<b>300 DCS*</b>	Damper Defrost 18.75 x 49 x 14.75	232 (110)	212 (100)	202 (95)	183 (86)	163 (77)	90%	Dual core model for maximum heat recovery and energy efficiency 



## Control Options



Lifestyle MAX  
Digital Control  
#99-DXPL01  
(included)



## or choose...

Lifestyle MAX  
Programmable  
Control  
#99-LS01

- 5-speed operation
- 4 user operational modes
  - continuous ventilation
  - 20 min. ON, 40 min. stand-by
  - 20 min. ON, 40 min. recirculation\*
  - continuous recirculation\*
  - high speed override
- Built-in interface to furnace
- Automatic service reminder

- **DELUXE** fully featured 5-speed, 4 mode unit\*.
- Fully **PROGRAMMABLE**, allowing you to customize for your specific lifestyle.
- Dehumidistat Disable  
\* Not available on all models

## Timer Option

### Lifestyle 20/40/60 Minute Timer #99-DET01

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



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.



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## ENGINEERING DATA

### THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE

The cross-flow heat recovery core transfers heat between the two airstreams. It is easily removed for cleaning or service. 65 MAX, 100 ECM, 155 MAX & 205 MAX: Counter-flow heat recovery core.

### MOTORS AND BLOWERS

5 speed fan operation- each airstream 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.

### 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" (12 mm) OD. Door balancing ports available on 100 ECM, 155 MAX and 205 MAX.

## CONTROLS & ELECTRONICS

- Built-in relay for interfacing to furnace
- Three contractor selectable high speeds

### 99-DXPL01 (INCLUDED)

#### Lifestyle MAX Digital Control

Can be wall mounted in a central location of the home. Connects to (3 wire) 20 gauge wire (min.) 100' length.

#### Electronic features include:

- 5 Speed Operation on each mode
- 4 user selectable operational modes:  
Continuous Ventilation, 20 ON/40 OFF, 20 ON/40 Recirculation, Continuous Recirculation (not available on all models)
- Humidity Control through dehumidistat
- Adjustable Dehumidistat function built into the main wall control
- Built-in Relay for interfacing to furnace

## OPTIONAL EQUIPMENT

### CONTROLS

#### 99-LS01

**Lifestyle MAX Programmable Control** - Contains all the features of the Lifestyle MAX Digital Control with 24/7 programmable ventilation, 4 event feature permits lifestyle programming. Connects to (3 wire) 20 gauge wire (min.) 100' length.

### TIMERS

#### 99-DET01

**Lifestyle 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40, or 60 minutes. Connects to (3 wire) 20 gauge wire (min.) 100' length.

#### 99-20M01

**Lifestyle 20 Minute Timer** - Initiates high speed ventilation for 20 minutes, (3 wire) 20 gauge wire (min.) 100' length.

## ACCESSORIES

**99-190 4" Dual Hood** - Suitable for 5" connections

**99-184 Weatherhoods -Two** - 4" comes with 1/4" mesh screen.

**99-185 Weatherhoods -Two** - 5" comes with 1/4" mesh screen for 95 MAX.

**99-186 Weatherhoods - Two** - 6" for all other MAX series units.

Many more accessory options available.  
See Accessories section for details.

## WARRANTY

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

All units conform to CSA and UL Standards

**ISO  
9001  
REGISTERED**

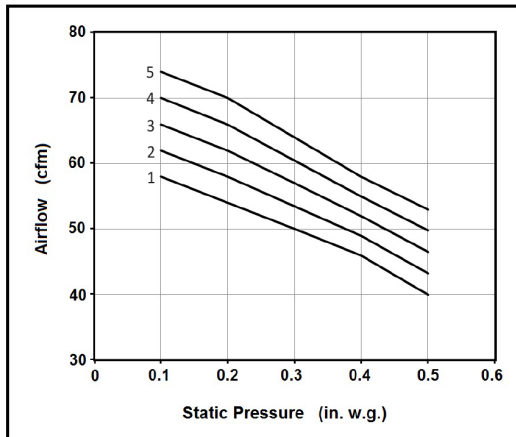
## 65 MAX

<b>65MAX Performance</b> (HVI certified)		
Net supply airflow in cfm against external static pressure		
Hex Core - Recirculating		
External Static Pressure	Airflow	
@ 0.1 in (25 Pa)	74 cfm (35 L/s)	
@ 0.2 in (50 Pa)	70 cfm (33 L/s)	
@ 0.3 in (75 Pa)	64 cfm (30 L/s)	
@ 0.4 in (100 Pa)	58 cfm (27 L/s)	
@ 0.5 in (125 Pa)	53 cfm (25 L/s)	
Max. Temperature Recovery	78%	
Sensible Effectiveness		
@ 47 cfm (22 L/s)	32°F (0°C)	78%
Sensible Efficiency		
@ 47 cfm (22 L/s)	32°F (0°C)	70%
Sensible Efficiency		
@ 52 cfm (24.5 L/s)	-13°F (-25°C)	65%
VAC @ 60Hz	120	
Amp rating	0.48	
Watts - High Speed	57	
Watts - Low Speed	38	

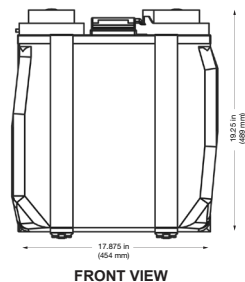
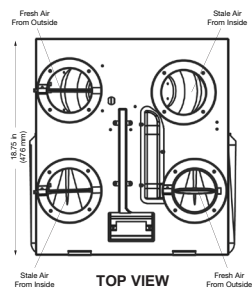
**Sensible Efficiency:** Thermal

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

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



**WEIGHT: 35LBS. (16 KG)**  
**DIMENSIONS: INCHES (MM)**



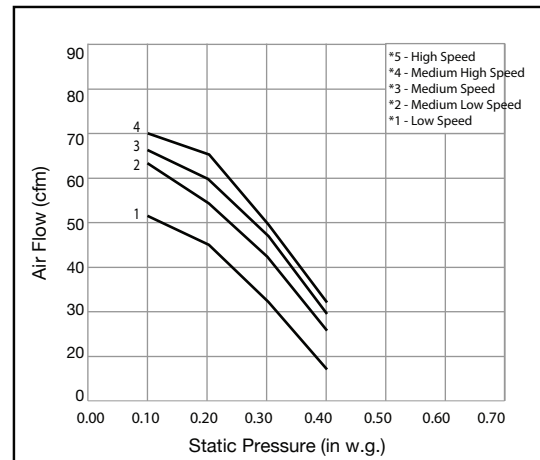
## 95 MAX

<b>Performance</b> (HVI certified)		
Net supply airflow in cfm (L/s) against external static pressure		
E.S.P. (External Static Pressure)	Airflow [CFM (L/s)]	
@ 0.1" (25 Pa)	69 (32)	
@ 0.2" (50 Pa)	66 (31)	
@ 0.3" (75 Pa)	64 (30)	
@ 0.4" (100 Pa)	60 (26)	
@ 0.5" (125 Pa)	55 (26)	
Max. Temperature Recovery	88%	
Sensible Effectiveness		
@ 60 cfm (28 L/s)	32°F (0°C)	88%
Sensible Efficiency		
@ 60 cfm (28 L/s)	32°F (0°C)	75%
Sensible Efficiency		
@ 61 cfm (29 L/s)	-13°F (-25°C)	68%
VAC @ 60Hz	120	
Watts / Low speed	59	
Watts / High speed	110	
Amp rating	0.9	

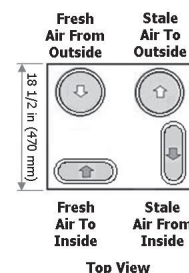
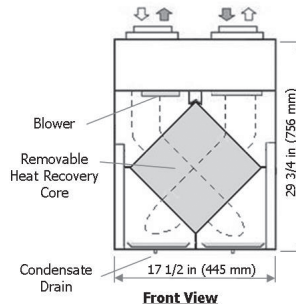
**Sensible Efficiency:** Thermal

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

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



**WEIGHT: 52 LBS. (23.6 KG)**  
**DIMENSIONS: INCHES (MM)**



**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.

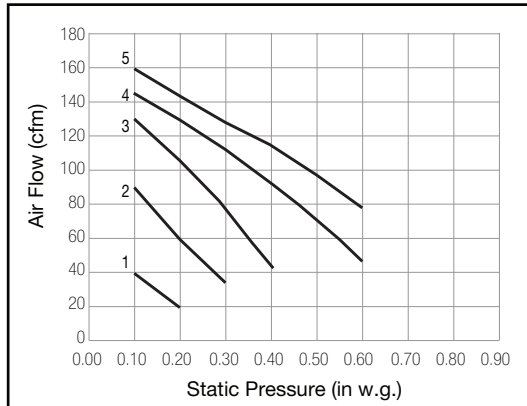
**100 ECM**

<b>Performance</b> (HVI certified) Net supply airflow in cfm (L/s) against external static pressure		
E.S.P. (External Static Pressure)	Airflow [CFM (L/s)]	
@ 0.1" (25 Pa)	161 (76)	
@ 0.2" (50 Pa)	143 (68)	
@ 0.3" (75 Pa)	128 (61)	
@ 0.4" (100 Pa)	114 (54)	
@ 0.5" (125 Pa)	98 (46)	
@ 0.6" (150 Pa)	78 (37)	
Max. Temperature Recovery	79%	
Sensible Effectiveness @ 64 cfm (30 L/s)	32°F (0°C)	78%
Sensible Efficiency @ 64 cfm (30 L/s)	32°F (0°C)	71%
Sensible Efficiency @ 68 cfm (32 L/s)	-13°F (-25°C)	64%
VAC @ 60Hz	120	
Watts / Low speed	40	
Watts / High speed	115	
Amp rating	1.4	

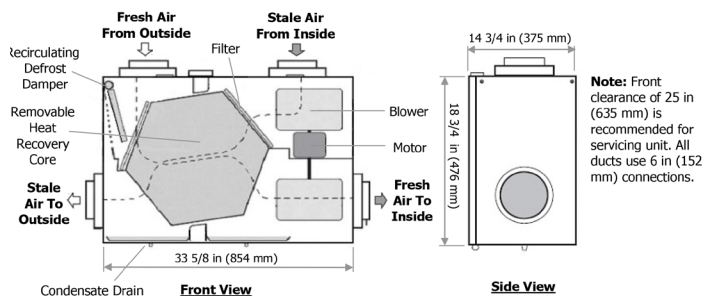
**Sensible Efficiency:** Thermal

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

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



**WEIGHT: 71 LBS. (32.5 KG)**  
**DIMENSIONS: INCHES (MM)**



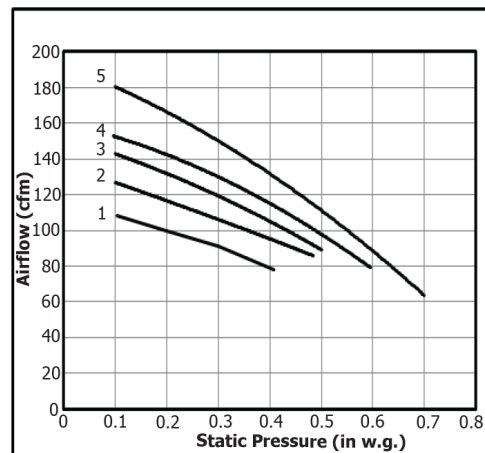
**155 MAX / 155 MAX RX**

<b>Performance</b> (HVI certified) Net supply airflow in cfm (L/s) against external static pressure		
E.S.P. (External Static Pressure)	Airflow [CFM (L/s)]	
@ 0.1" (25 Pa)	184 (87)	
@ 0.2" (50 Pa)	163 (77)	
@ 0.3" (75 Pa)	146 (69)	
@ 0.4" (100 Pa)	132 (62)	
@ 0.5" (125 Pa)	115 (54)	
@ 0.6" (150 Pa)	92 (43)	
@ 0.7" (175 Pa)	60 (28)	
Max. Temperature Recovery	86%	
Sensible Effectiveness @ 59 cfm (28 L/s)	32°F (0°C)	84%
Sensible Efficiency @ 59 cfm (28 L/s)	32°F (0°C)	75%
Sensible Efficiency @ 64 cfm (31 L/s)	-13°F (-25°C)	72%
VAC @ 60Hz	115	
Watts / Low speed	66	
Watts / High speed	223	
Amp rating	1.4	

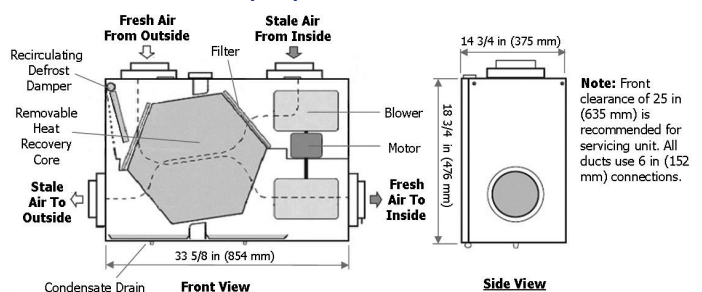
**Sensible Efficiency:** Thermal

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

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



**WEIGHT: 71 LBS. (32.5 KG)**  
**DIMENSIONS: INCHES (MM)**



**NOTE**

The RX version of this model is reverse flow. The cold side ducting to the weatherhoods and damper are located on the opposite sides of the unit.

**205 MAX**

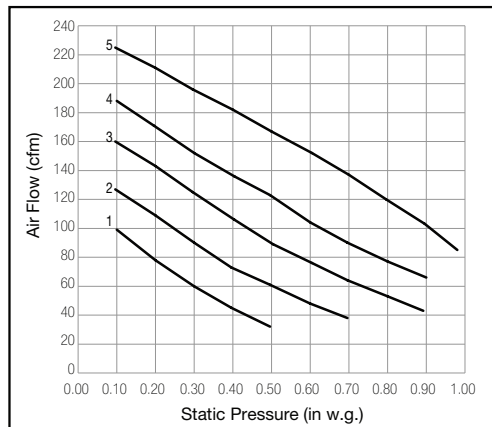
<b>Performance (HVI certified)</b> Net supply airflow in cfm (L/s) against external static pressure		
E.S.P. (External Static Pressure)	Airflow [CFM (L/s)]	
@ 0.1" (25 Pa)	222 (105)	
@ 0.2" (50 Pa)	207 (98)	
@ 0.3" (75 Pa)	193 (91)	
@ 0.4" (100 Pa)	179 (84)	
@ 0.5" (125 Pa)	165 (78)	
@ 0.6" (150 Pa)	150 (71)	
@ 0.7" (175 Pa)	135 (63)	
@ 0.8" (200 Pa)	119 (56)	
@ 0.9" (225 Pa)	102 (48)	
@ 1.0" (250 Pa)	84 (40)	
Max. Temperature Recovery	81%	
Sensible Effectiveness @ 100 cfm (47 L/s) 32°F (0°C)	77%	
Sensible Efficiency @ 100 cfm (47 L/s) 32°F (0°C)	68%	
Sensible Efficiency @ 100 cfm (47 L/s) -13°F (-25°C)	68%	
VAC @ 60Hz	120	
Watts / Low speed	64	
Watts / High speed	137	
Amp rating	1.4	

**Sensible Efficiency:** Thermal

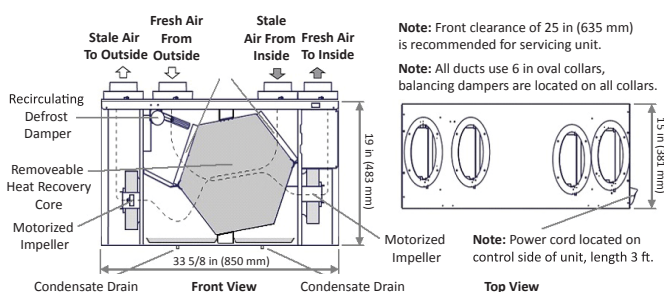
**Total Efficiency:** Moisture and Thermal

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

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



**WEIGHT: 57 LBS. (25.8 KG)**  
**DIMENSIONS: INCHES (MM)**



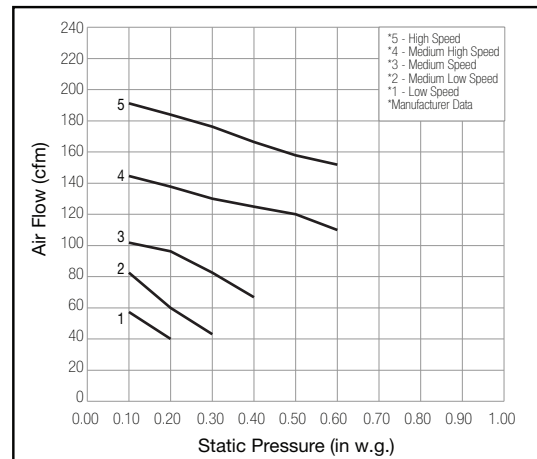
**195 ECM**

<b>Performance (HVI certified)</b> Net supply airflow in cfm (L/s) against external static pressure		
E.S.P. (External Static Pressure)	Airflow [CFM (L/s)]	
@ 0.1" (25 Pa)	191 (90)	
@ 0.2" (50 Pa)	184 (86)	
@ 0.3" (75 Pa)	177 (83)	
@ 0.4" (100 Pa)	169 (80)	
@ 0.5" (125 Pa)	159 (75)	
@ 0.6" (150 Pa)	152 (71)	
Max. Temperature Recovery	88%	
Sensible Effectiveness @ 117 cfm (54 L/s) 32°F (0°C)	88%	
Sensible Efficiency @ 117 cfm (54 L/s) 32°F (0°C)	78%	
Sensible Efficiency @ 117 cfm (56 L/s) -13°F (-25°C)	69%	
VAC @ 60Hz	120	
Watts / Low speed	34	
Watts / High speed	129	
Amp rating	1.7	

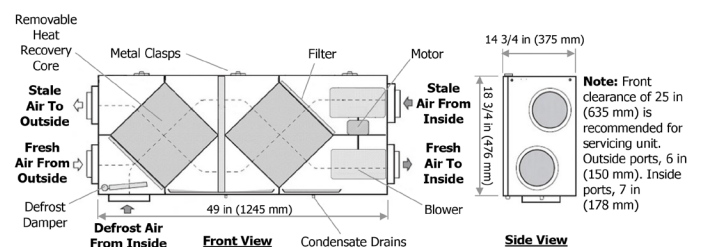
**Sensible Efficiency:** Thermal

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

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



**WEIGHT: 88 LBS. (40 KG)**  
**DIMENSIONS: INCHES (MM)**





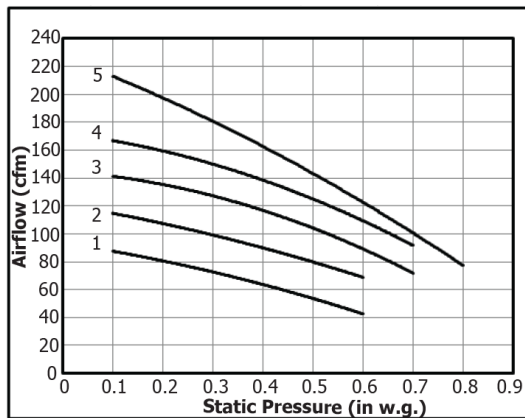
## 195 DCS

<b>Performance (HVI certified)</b> Net supply airflow in cfm (L/s) against external static pressure		
E.S.P. (External Static Pressure)	Airflow [CFM (L/s)]	
@ 0.1" (25 Pa)	216 (101)	
@ 0.2" (50 Pa)	195 (92)	
@ 0.3" (75 Pa)	181 (85)	
@ 0.4" (100 Pa)	158 (74)	
@ 0.5" (125 Pa)	144 (68)	
@ 0.6" (150 Pa)	125 (59)	
@ 0.7" (175 Pa)	107 (50)	
@ 0.8" (200 Pa)	72 (34)	
Max. Temperature Recovery	92%	
Sensible Effectiveness @ 114 cfm (54 L/s) 32°F (0°C)	86%	
*Sensible Efficiency @ 114 cfm (54 L/s) 32°F (0°C)	78%	
*Sensible Efficiency @ 112 cfm (53 L/s) -13°F (-25°C)	72%	
VAC @ 60Hz	120	
Watts / Low speed	74	
Watts / High speed	123	
Amp rating	1.5	

**Sensible Efficiency:** Thermal

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

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



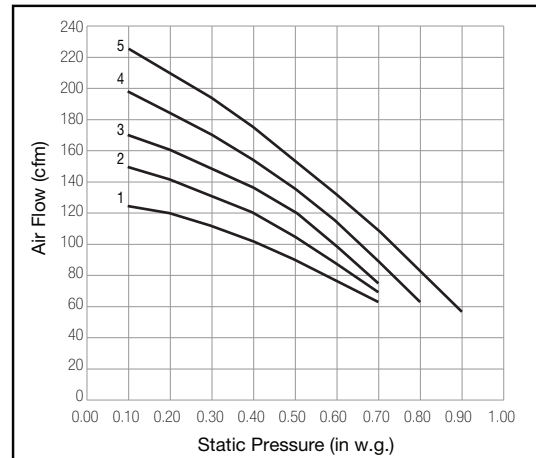
## 300 DCS

<b>Performance (HVI certified)</b> Net supply airflow in cfm (L/s) against external static pressure		
E.S.P. (External Static Pressure)	Airflow [CFM (L/s)]	
@ 0.1" (25 Pa)	232 (110)	
@ 0.2" (50 Pa)	212 (100)	
@ 0.3" (75 Pa)	202 (95)	
@ 0.4" (100 Pa)	183 (86)	
@ 0.5" (125 Pa)	163 (77)	
@ 0.6" (150 Pa)	144 (68)	
@ 0.7" (175 Pa)	123 (58)	
@ 0.8" (200 Pa)	92 (43)	
Max. Temperature Recovery	90%	
Sensible Effectiveness @ 117 cfm (55 L/s) 32°F (0°C)	90%	
*Sensible Efficiency @ 117 cfm (55 L/s) 32°F (0°C)	79%	
*Sensible Efficiency @ 132 cfm (62 L/s) -13°F (-25°C)	70%	
VAC @ 60Hz	120	
Watts / Low speed	118	
Watts / High speed	216	
Amp rating	2.9	

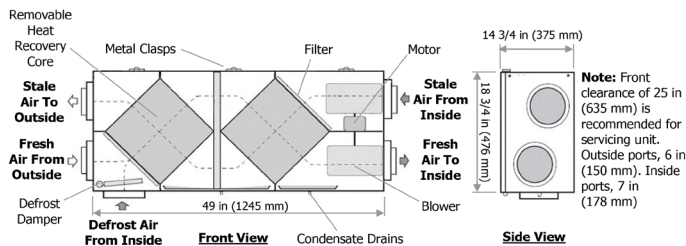
**Sensible Efficiency:** Thermal

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

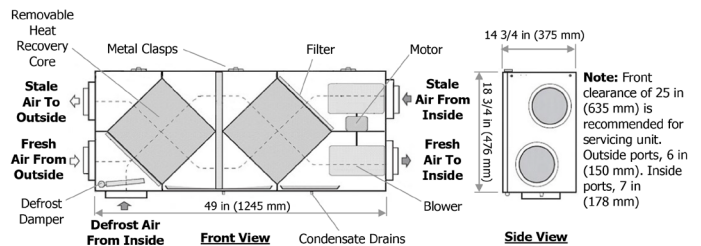
**Efficiency:** Takes into account all power inputs



**WEIGHT: 88 LBS. (40 KG)**  
**DIMENSIONS: INCHES (MM)**



**WEIGHT: 88 LBS. (40 KG)**  
**DIMENSIONS: INCHES (MM)**



- RNC4-TPD
- RNC4-TPF
- RNC 95
- RNC5-ES
- RNC5-TPD
- RNC5-TPF
- RNC 120F
- RNC 155
- RNC 200
- RNC 205
- RNC 10
- RNC 20









RNC5-TPD  
RNC5-TPF

RNC 205

RNC 120F

RNC4 TPD  
RNC4 TPF

## Model Description

Model	Description H x W x D (in)	Airflow cfm (L/s)					Effectiveness @ 0 °C (32 °F)	Performance Highlights
		.1 (25 Pa)	.2 (50 Pa)	.3 (75 Pa)	.4 (100 Pa)	.5 (125 Pa)		
RNC4-TPD	Recirculating Defrost 19.25 x 17.8 x 18.75	74 (35)	70 (33)	64 (30)	58 (27)	53 (25)	78%	Our most compact unit to date. Top port design suited for tight spaces with door port balancing. 4" duct connections. Featuring the high efficiency HEX core. 
RNC4-TPF	Fan Defrost 19.25 x 17.8 x 18.75	95 (45)	88 (42)	82 (39)	75 (35)	68 (32)	75%	Our most compact unit to date. Top port design suited for tight spaces with door port balancing. 4" duct connections. 
RNC 95*	Recirculating Defrost 25 x 18.5 x 16	69 (32)	66 (31)	64 (30)	60 (28)	55 (26)	88%	Top port, compact unit. Ideally suited for tight installations. 3 selectable high speed settings. Highest efficiency in its class. 
RNC5-ES*	Recirculating Defrost 17.25 x 22.75 x 14	161 (76)	150 (71)	137 (65)	125 (59)	111 (52)	74%	Compact top port design for ease of install. 3 selectable high speed settings. Door port balancing, 5" duct connections. 
RNC5-TPD	Recirculating Defrost 17.25 x 22.75 x 14	169 (80)	156 (73)	149 (70)	136 (64)	126 (59)	74%	Compact top port design for ease of install. 3 selectable high speed settings. Door port balancing, 5" duct connections.
RNC5-TPF	Fan Defrost 17.25 x 22.75 x 14	174 (82)	165 (77)	154 (73)	143 (67)	132 (62)	75%	Compact top port design for ease of install. 3 selectable high speed settings. Door port balancing, 5" duct connections.
RNC 120F	Fan Defrost 9.25 x 28.75 x 18.25	152 (72)	141 (67)	131 (62)	122 (58)	114 (54)	71%	Low profile cabinet, only 9.25" tall. Fits in bulkhead and drop ceiling. Horizontally mounted, 5" duct connections. 3 selectable high speed settings.
RNC 155*	Recirculating Defrost 19 x 33.6 x 14.75	184 (87)	163 (77)	146 (69)	132 (62)	115 (54)	84%	Horizontal model, with door port balancing and 3 selectable high speed settings. Featuring the new high efficiency HEX core. 
RNC 200	Recirculating Defrost 19 x 33.6 x 14.75	207 (97)	200 (94)	184 (87)	171 (80)	152 (71)	74%	Horizontal model with door port balancing. Three selectable high speed settings.
RNC 205*	Recirculating Defrost 18.75 x 33.62 x 15	222 (105)	207 (98)	193 (91)	179 (84)	165 (78)	77%	New top port design for flexible installations, with door port balancing and 3 selectable high speed settings. Featuring the new high efficiency HEX core 
RNC 10	Damper Defrost 18.75 x 33.62 x 14.75	177 (83)	164 (77)	156 (73)	143 (67)	123 (58)	76%	Horizontal model with 5 ports and damper defrost.
RNC 20	Damper Defrost 18.75 x 33.62 x 14.75	214 (101)	197 (93)	180 (85)	161 (76)	138 (65)	67%	Same design as RNC 10, with greater airflow.

## Control Options



### Lifestyle RNC Digital Control #99-DX01

- 4 selectable operational modes\*  
*\*Not available on all models*
- 2 speed operation on each mode
- Adjustable dehumidistat function
- Dehumidistat disable
- High speed override



### Lifestyle RNC Ventilation Control #99-BC01

- 2 Speed operation
- Unit On/Off
- Dehumidistat



### Lifestyle Dehumidistat #99-DH01

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



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.



Visit us at [www.lifebreath.com](http://www.lifebreath.com)

Manufacturer reserves the right to change specifications without notice.

## Timer Option

### Lifestyle 20/40/60 Minute Timer #99-DET01

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



Printed in Canada

98-MAX-RNC (10-15)

## ENGINEERING DATA

### THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE

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

RNC4-TPD, RNC4-TPF, RNC 155 and RNC 205: NEW Counter-flow heat recovery core.

### MOTORS AND BLOWERS

5 speed fan operation- each airstream 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.

### DEFROST - 3 STYLES

Fan defrost, recirculating or 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" (12 mm) OD.

## CONTROLS & ELECTRONICS

- Built-in relay for interfacing to furnace
- Three contractor selectable high speeds

## OPTIONAL EQUIPMENT

### CONTROLS .

#### 99-DX01

#### LIFESTYLE RNC DIGITAL CONTROL

- 2-Speed operation on each mode
- 4 user selectable operational modes: Continuous Ventilation, 20 ON/40 OFF, 20 ON/40 Recirculation, Continuous Recirculation (not available on all models).
- Adjustable Dehumidistat function built into the main wall control
- Connect to (3 wire) 20 gauge wire (min.) 100' length.

#### 99-BC01

#### LIFESTYLE RNC VENTILATION CONTROL

- 2-Speed Fan setting (Low/High)
- Standby
- Dehumidistat
- Connect to (3 wire) 20 gauge wire (min.) 100' length.

### TIMERS

#### 99-DET01

**Lifestyle 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40, or 60 minutes, (3 wire) 20 gauge wire (min.) 100' length.

#### 99-20M01

**Lifestyle 20 Minute Timer** - Initiates high speed ventilation for 20 minutes, (3 wire) 20 gauge wire (min.) 100' length.

### ACCESSORIES

**99-DH 01 Lifestyle 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 4" DualHood** - Suitable for 5" connections

**99-190 5" DualHood** - Suitable for 5" connections

**99-184 Weatherhoods** - Two - 4" (102 mm) c/w 1/4" (6 mm) mesh screen

**99-185 Weatherhoods** - Two - 5" (125 mm) c/w 1/4" (6 mm) mesh screen

**99-186 Weatherhoods** - Two - 6" (150 mm) c/w 1/4" (6mm) mesh screen.

Many more accessory options available.  
See Accessories section for details.

## WARRANTY

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

All units conform to CSA and UL Standards





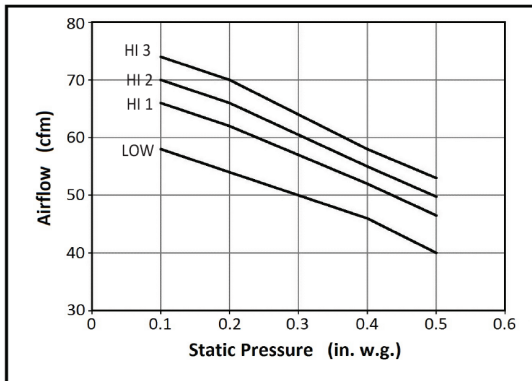
**RNC4-TPD**

<b>Performance (HVI certified)</b> Net supply airflow in cfm (L/s) against external static pressure		
Hex Core - Recirculating		
External Static Pressure	Airflow	
@ 0.1 in (25 Pa)	74 cfm (35 L/s)	
@ 0.2 in (50 Pa)	70 cfm (33 L/s)	
@ 0.3 in (75 Pa)	64 cfm (30 L/s)	
@ 0.4 in (100 Pa)	58 cfm (27 L/s)	
@ 0.5 in (125 Pa)	53 cfm (25 L/s)	
Max. Temperature Recovery	78%	
Sensible Effectiveness @ 47 cfm (22 L/s)	32°F (0°C)	78%
Sensible Efficiency @ 47 cfm (22 L/s)	32°F (0°C)	70%
Sensible Efficiency @ 52 cfm (24.5 L/s)	-13°F (-25°C)	65%
VAC @ 60Hz	120	
Amp rating	0.48	
Watts - High Speed	57	
Watts - Low Speed	38	

**Sensible Efficiency:** Thermal

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

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



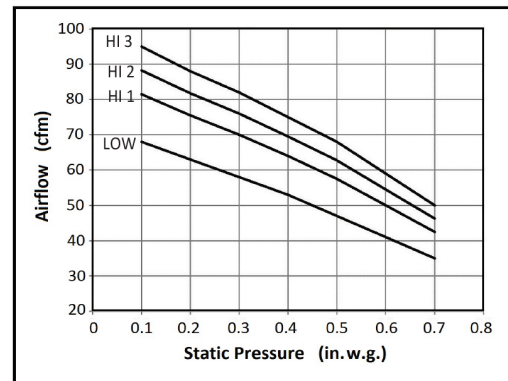
**RNC4-TPF**

<b>Performance (HVI certified)</b> Net supply airflow in cfm (L/s) against external static pressure		
Square Core - Fan Defrost		
External Static Pressure	Airflow	
@ 0.1 in (25 Pa)	95 cfm (45 L/s)	
@ 0.2 in (50 Pa)	88 cfm (42 L/s)	
@ 0.3 in (75 Pa)	82 cfm (39 L/s)	
@ 0.4 in (100 Pa)	75 cfm (35 L/s)	
@ 0.5 in (125 Pa)	68 cfm (32 L/s)	
@ 0.6 in (150 Pa)	59 cfm (28 L/s)	
@ 0.7 in (175 Pa)	50 cfm (24 L/s)	
Max. Temperature Recovery	78%	
Sensible Effectiveness @ 55 cfm (26 L/s)	32°F (0°C)	75%
Sensible Efficiency @ 55 cfm (26 L/s)	32°F (0°C)	67%
Sensible Efficiency @ 60 cfm (28 L/s)	-13°F (-25°C)	61%
VAC @ 60Hz	120	
Amp rating	0.48	
Watts - High Speed	57	
Watts - Low Speed	38	

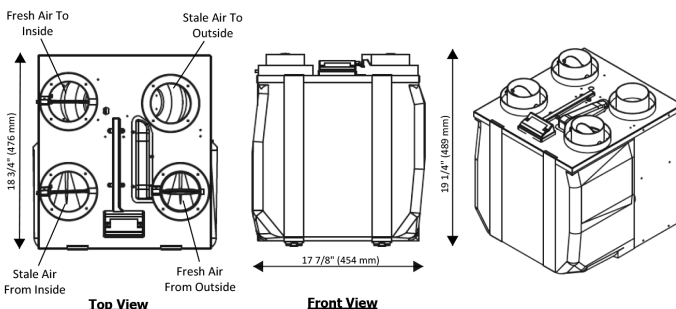
**Sensible Efficiency:** Thermal

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

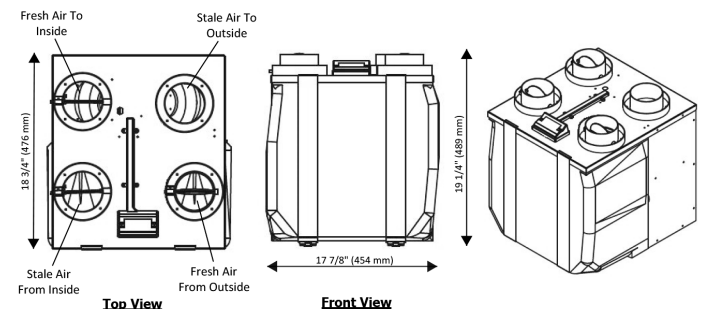
**Efficiency:** Takes into account all power inputs



**WEIGHT: 35LBS. (16 KG)**  
**DIMENSIONS: INCHES (MM)**



**WEIGHT: 35LBS. (16 KG)**  
**DIMENSIONS: INCHES (MM)**





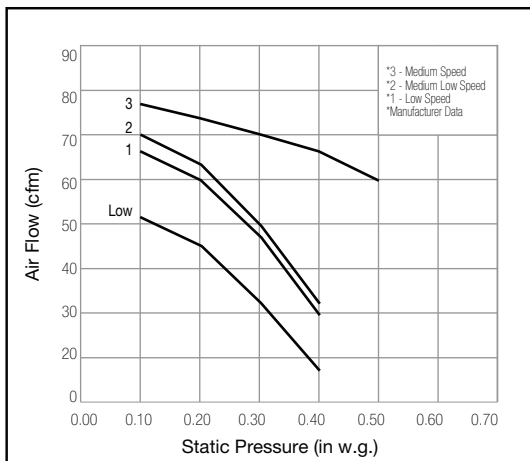
**RNC 95**

<b>Performance (HVI certified)</b> Net supply airflow in cfm (L/s) against external static pressure		
<b>E.S.P. (External Static Pressure)</b>	<b>Airflow [CFM (L/s)]</b>	
@ 0.1" (25 Pa)	69 (32)	
@ 0.2" (50 Pa)	66 (31)	
@ 0.3" (75 Pa)	64 (30)	
@ 0.4" (100 Pa)	60 (28)	
@ 0.5" (125 Pa)	55 (26)	
<b>Max. Temperature Recovery</b>		88%
<b>Sensible Effectiveness</b>		
@ 60 cfm (28 L/s)	32°F (0°C)	88%
<b>Sensible Efficiency</b>		
@ 60 cfm (28 L/s)	32°F (0°C)	75%
<b>Sensible Efficiency</b>		
@ 61 cfm (29 L/s)	-13°F (-25°C)	68%
<b>VAC @ 60Hz</b>		120
<b>Watts / Low speed</b>		59
<b>Watts / High speed</b>		150
<b>Amp rating</b>		0.9

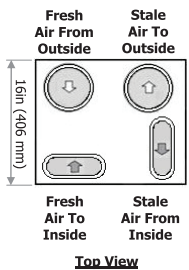
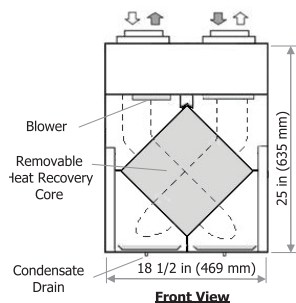
**Sensible Efficiency:** Thermal

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

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



**WEIGHT: 52LBS. (23.6KG)**  
**DIMENSIONS: INCHES (MM)**



**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.

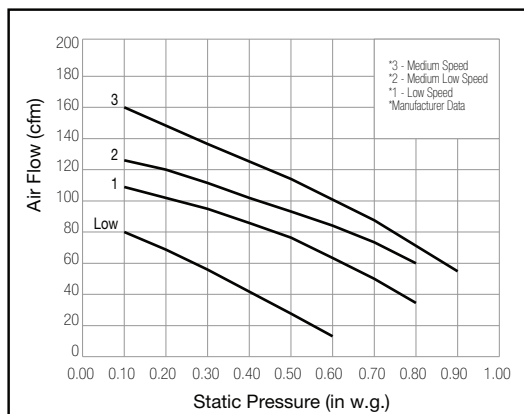
**RNC5-ES**

<b>Performance (HVI certified)</b> Net supply airflow in cfm (L/s) against external static pressure		
<b>E.S.P. (External Static Pressure)</b>	<b>Airflow [CFM (L/s)]</b>	
@ 0.1" (25 Pa)	161 (76)	
@ 0.2" (50 Pa)	150 (71)	
@ 0.3" (75 Pa)	137 (65)	
@ 0.4" (100 Pa)	125 (59)	
@ 0.5" (125 Pa)	111 (52)	
@ 0.6" (150 Pa)	98 (46)	
@ 0.7" (175 Pa)	84 (40)	
@ 0.8" (200 Pa)	70 (33)	
@ 0.9" (225 Pa)	56 (27)	
<b>Max. Temperature Recovery</b>		77%
<b>Sensible Effectiveness</b>		
@ 65 cfm (31 L/s)	32°F (0°C)	74%
<b>Sensible Efficiency</b>		
@ 65 cfm (31 L/s)	32°F (0°C)	65%
<b>Sensible Efficiency</b>		
@ 70 cfm (33 L/s)	-13°F (-25°C)	65%
<b>VAC @ 60Hz</b>		120
<b>Watts / Low speed</b>		48
<b>Watts / High speed</b>		110
<b>Amp rating</b>		1.25

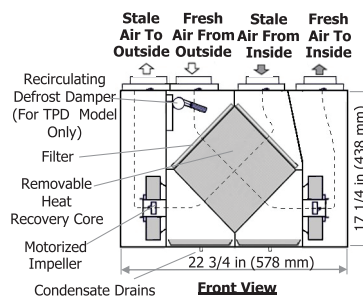
**Sensible Efficiency:** Thermal

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

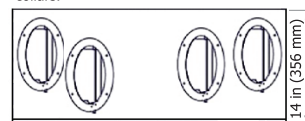
**Efficiency:** Takes into account all power inputs



**WEIGHT: 51LBS. (23KG)**  
**DIMENSIONS: INCHES (MM)**



**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.



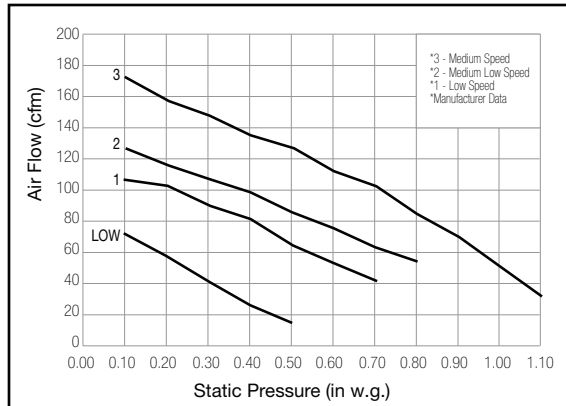
**RNC5-TPD**

<b>Performance (HVI certified)</b> Net supply airflow in cfm (L/s) against external static pressure		
<b>E.S.P. (External Static Pressure)</b>	<b>Airflow [CFM (L/s)]</b>	
@ 0.1" (25 Pa)	169 (80)	
@ 0.2" (50 Pa)	156 (73)	
@ 0.3" (75 Pa)	149 (70)	
@ 0.4" (100 Pa)	136 (64)	
@ 0.5" (125 Pa)	126 (59)	
@ 0.6" (150 Pa)	116 (54)	
@ 0.7" (175 Pa)	103 (48)	
@ 0.8" (200 Pa)	89 (42)	
@ 0.9" (225 Pa)	77 (36)	
@ 1.0" (250 Pa)	58 (27)	
Max. Temperature Recovery	78%	
Sensible Effectiveness		
@ 66 cfm (31 L/s) 32°F (0°C)	74%	
Sensible Efficiency		
@ 66 cfm (31 L/s) 32°F (0°C)	61%	
Sensible Efficiency		
@ 76 cfm (36 L/s) -13°F (-25°C)	63%	
VAC @ 60Hz	120	
Watts / Low speed	69	
Watts / High speed	147	
Amp rating	1.7	

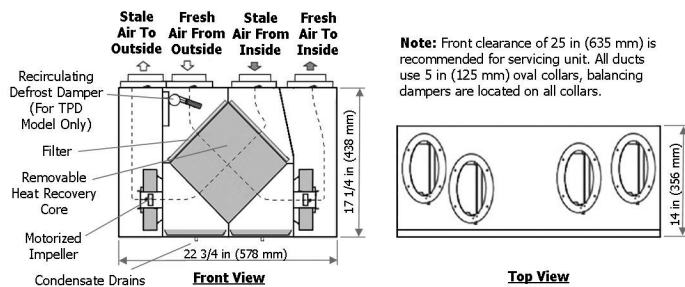
**Sensible Efficiency:** Thermal

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

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



**WEIGHT: 51LBS. (23KG)**  
**DIMENSIONS: INCHES (MM)**



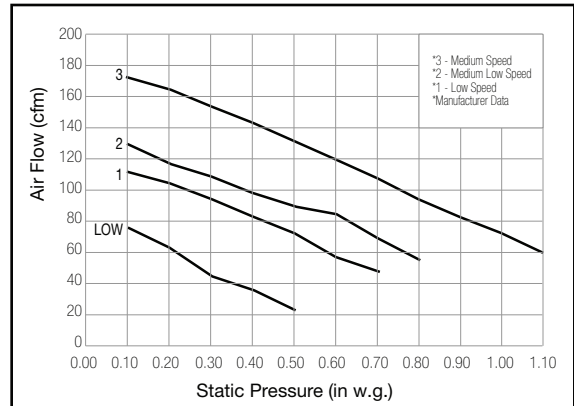
**RNC5-TPF**

<b>Performance (HVI certified)</b> Net supply airflow in cfm (L/s) against external static pressure		
<b>E.S.P. (External Static Pressure)</b>	<b>Airflow [CFM (L/s)]</b>	
@ 0.1" (25 Pa)	174 (82)	
@ 0.2" (50 Pa)	165 (77)	
@ 0.3" (75 Pa)	154 (73)	
@ 0.4" (100 Pa)	143 (67)	
@ 0.5" (125 Pa)	132 (62)	
@ 0.6" (150 Pa)	120 (56)	
@ 0.7" (175 Pa)	107 (51)	
@ 0.8" (200 Pa)	95 (45)	
@ 0.9" (225 Pa)	83 (39)	
@ 1.0" (250 Pa)	71 (33)	
Max. Temperature Recovery	79%	
Sensible Effectiveness		
@ 66 cfm (31 L/s) 32°F (0°C)	75%	
Sensible Efficiency		
@ 66 cfm (31 L/s) 32°F (0°C)	66%	
Sensible Efficiency		
@ 76 cfm (36 L/s) -13°F (-25°C)	56%	
VAC @ 60Hz	120	
Watts / Low speed	69	
Watts / High speed	147	
Amp rating	1.7	

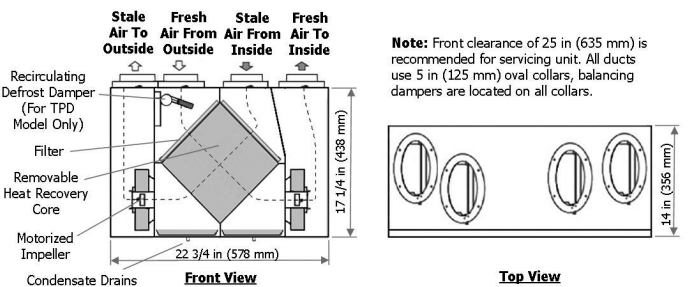
**Sensible Efficiency:** Thermal

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

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



**WEIGHT: 51LBS. (23KG)**  
**DIMENSIONS: INCHES (MM)**



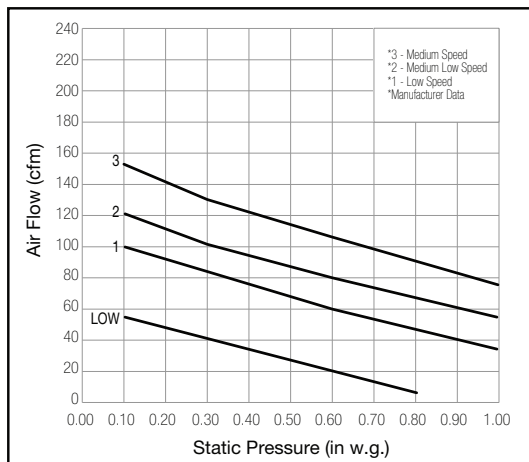
**RNC 120F**

<b>Performance</b> (HVI certified) Net supply airflow in cfm (L/s) against external static pressure			
<b>E.S.P.</b> (External Static Pressure)		<b>Airflow</b> [CFM (L/s)]	
@ 0.1" (25 Pa)		152 (72)	
@ 0.2" (50 Pa)		141 (67)	
@ 0.3" (75 Pa)		131 (62)	
@ 0.4" (100 Pa)		122 (58)	
@ 0.5" (125 Pa)		114 (54)	
@ 0.6" (150 Pa)		106 (50)	
@ 0.7" (175 Pa)		98 (46)	
@ 0.8" (200 Pa)		91 (43)	
@ 0.9" (225 Pa)		84 (39)	
@ 1.0" (250 Pa)		76 (36)	
Max. Temperature Recovery		71%	
Sensible Effectiveness			
@ 55 cfm (25 L/s)	32°F (0°C)	71%	
Sensible Efficiency			
@ 55 cfm (25 L/s)	32°F (0°C)	60%	
VAC @ 60Hz		120	
Watts / Low speed		69	
Watts / High speed		147	
Amp rating		1.7	

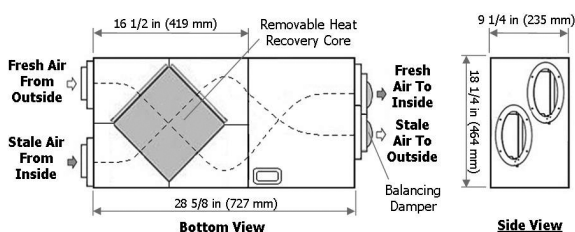
**Sensible Efficiency:** Thermal

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

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



**WEIGHT: 35LBS. (15.9KG)**  
**DIMENSIONS: INCHES (MM)**



**Note:** Bottom clearance of 25 in (635 mm) is recommended for servicing unit. All ducts use 5 in (125 mm) connections.

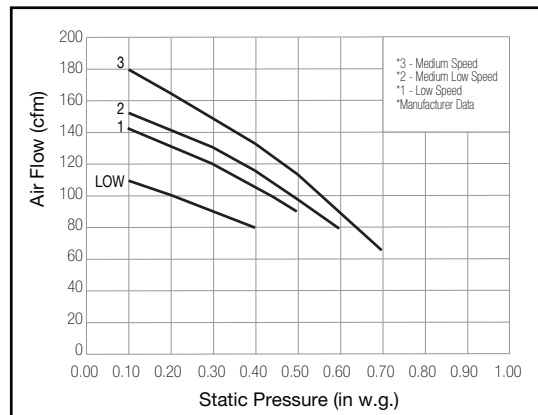
**RNC 155**

<b>Performance</b> (HVI certified) Net supply airflow in cfm (L/s) against external static pressure			
<b>E.S.P.</b> (External Static Pressure)		<b>Airflow</b> [CFM (L/s)]	
@ 0.1" (25 Pa)		184 (87)	
@ 0.2" (50 Pa)		163 (77)	
@ 0.3" (75 Pa)		146 (69)	
@ 0.4" (100 Pa)		132 (62)	
@ 0.5" (125 Pa)		115 (54)	
@ 0.6" (150 Pa)		92 (43)	
@ 0.7" (175 Pa)		60 (28)	
Max. Temperature Recovery		86%	
Sensible Effectiveness			
@ 59 cfm (28 L/s)	32°F (0°C)	84%	
Sensible Efficiency			
@ 59 cfm (28 L/s)	32°F (0°C)	75%	
Sensible Efficiency			
@ 64 cfm (30 L/s)	-13°F (-25°C)	72%	
VAC @ 60Hz		120	
Watts / Low speed		66	
Watts / High speed		118	
Amp rating		1.4	

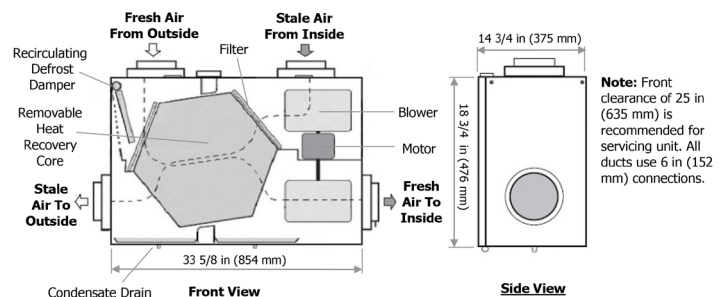
**Sensible Efficiency:** Thermal

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

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



**WEIGHT: 71LBS. (32.5KG)**  
**DIMENSIONS: INCHES (MM)**

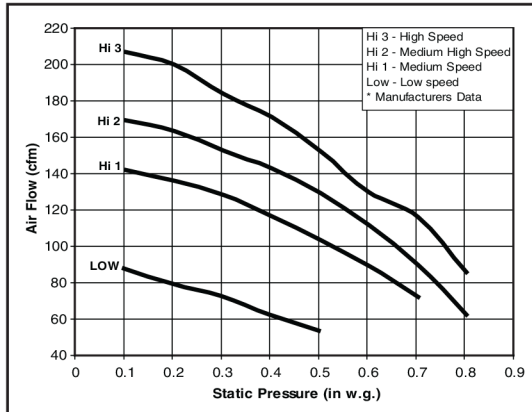


**Note:** Front clearance of 25 in (635 mm) is recommended for servicing unit. All ducts use 6 in (152 mm) connections.

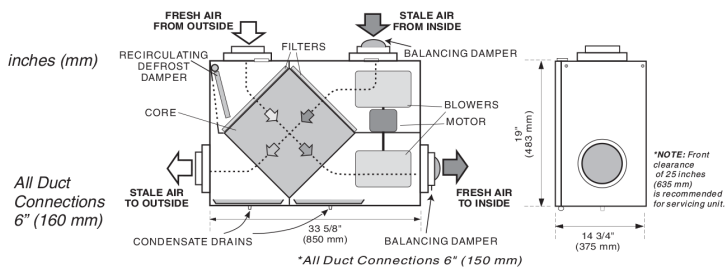
**RNC 200**

<b>Performance (HVI certified)</b> Net supply air flow in cfm (L/s) against external static pressure		
<b>E.S.P.</b> <b>(external static pressure)</b>		<b>[cfm (L/s)]</b>
@ 0.1" (25 Pa)		207 (97)
@ 0.2" (50 Pa)		200 (94)
@ 0.3" (75 Pa)		184 (87)
@ 0.4" (100 Pa)		171 (80)
@ 0.5" (125 Pa)		152 (71)
@ 0.6" (150 Pa)		130 (61)
@ 0.7" (175 Pa)		116 (55)
@ 0.8" (200 Pa)		86 (40)
Max. Temperature Recovery		74%
Sensible Effectiveness		
@ 66 cfm (31 L/s)	32°F (0°C)	74%
*Sensible Efficiency		
@ 66 cfm (31 L/s)	32°F (0°C)	64%
*Sensible Efficiency		
@ 109 cfm (51 L/s)	-13°F (-25°C)	62%
VAC @ 60HZ		120
WATTS / Low speed.		87
WATTS / High speed		164
Amp rating		1.4

\*Sensible Efficiency – thermal \*\*Latent Efficiency – moisture  
Note: Effectiveness - based on temp. differential between the 2 airstreams  
Efficiency – takes into account all power inputs



**WEIGHT: 57LBS. (25.8KG)**  
**DIMENSIONS: INCHES (MM)**



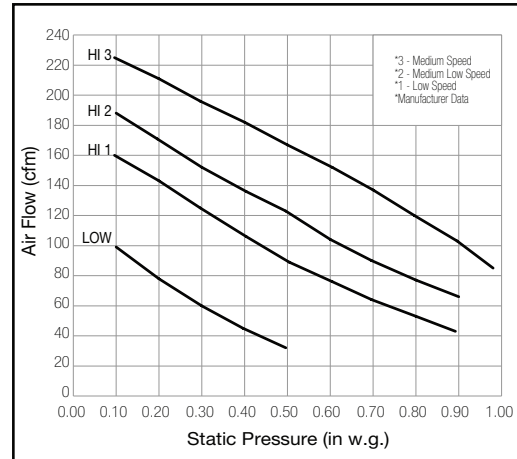
**RNC 205**

<b>Performance (HVI certified)</b> Net supply airflow in cfm (L/s) against external static pressure		
<b>E.S.P. (External Static Pressure)</b>		<b>Airflow [CFM (L/s)]</b>
@ 0.1 in (25 Pa)		222 (105)
@ 0.2" (25 Pa)		207 (98)
@ 0.3" (25 Pa)		193 (91)
@ 0.4" (25 Pa)		179 (84)
@ 0.5" (25 Pa)		165 (78)
@ 0.6" (25 Pa)		150 (71)
@ 0.7" (25 Pa)		135 (63)
@ 0.8" (25 Pa)		119 (56)
@ 0.9" (25 Pa)		102 (48)
@ 1.0" (25 Pa)		84 (40)
Max. Temperature Recovery		81%
Sensible Effectiveness		
@ 100 cfm (47 L/s)	32°F (0°C)	77%
Sensible Efficiency		
@ 100 cfm (47 L/s)	32°F (0°C)	68%
Sensible Efficiency		
@ 100 cfm (47 L/s)	-13°F (-25°C)	68%
VAC @ 60Hz		120
Watts / Low speed		64
Watts / High speed		96
Amp rating		1.4

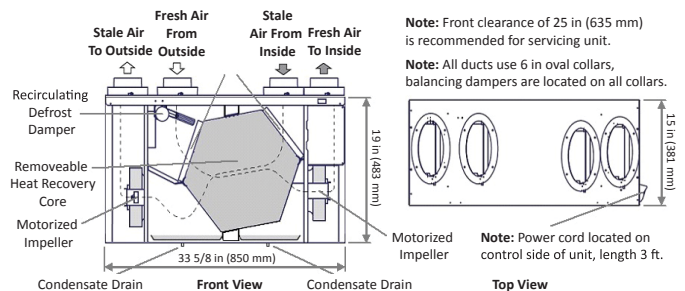
**Sensible Efficiency: Thermal**

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

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



**WEIGHT: 57LBS. (25.8KG)**  
**DIMENSIONS: INCHES (MM)**



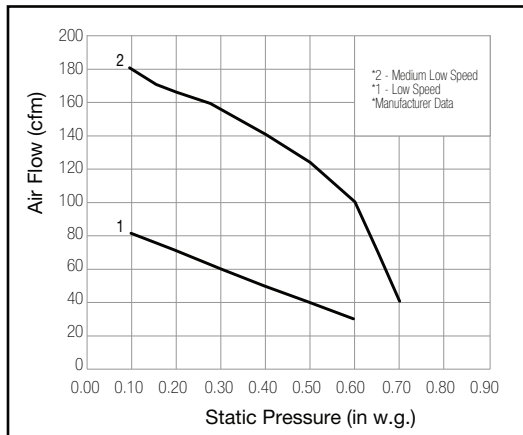
## RNC 10

<b>Performance</b> (HVI certified) Net supply airflow in cfm (L/s) against external static pressure		
E.S.P. (External Static Pressure)	Airflow [CFM (L/s)]	
@ 0.1" (25 Pa)	177 (83)	
@ 0.2" (50 Pa)	164 (77)	
@ 0.3" (75 Pa)	156 (73)	
@ 0.4" (100 Pa)	143 (67)	
@ 0.5" (125 Pa)	123 (58)	
@ 0.6" (150 Pa)	100 (47)	
@ 0.7" (175 Pa)	38 (18)	
Max. Temperature Recovery	78%	
Sensible Effectiveness @ 67 cfm (32 L/s) 32°F (0°C)	76%	
Sensible Efficiency @ 67 cfm (32 L/s) 32°F (0°C)	66%	
Sensible Efficiency @ 68 cfm (32 L/s) -13°F (-25°C)	60%	
VAC @ 60Hz	120	
Watts / Low speed	63	
Watts / High speed	173	
Amp rating	1.4	

**Sensible Efficiency:** Thermal

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

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



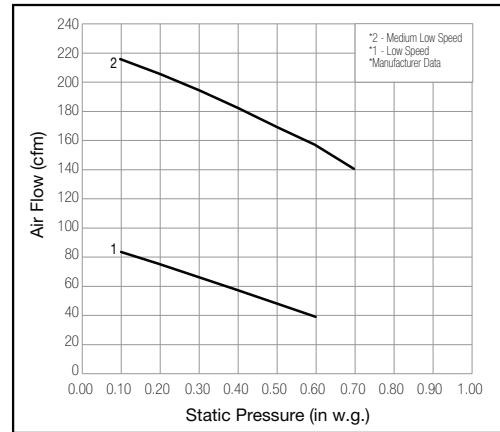
## RNC 20

<b>Performance</b> (HVI certified) Net supply airflow in cfm (L/s) against external static pressure		
E.S.P. (External Static Pressure)	Airflow [CFM (L/s)]	
@ 0.1" (25 Pa)	214 (101)	
@ 0.2" (50 Pa)	206 (97)	
@ 0.3" (75 Pa)	193 (91)	
@ 0.4" (100 Pa)	184 (87)	
@ 0.5" (125 Pa)	170 (80)	
@ 0.6" (150 Pa)	155 (73)	
@ 0.7" (175 Pa)	137 (65)	
Max. Temperature Recovery	69%	
Sensible Effectiveness @ 119 cfm (56 L/s) 32°F (0°C)	67%	
Sensible Efficiency @ 119 cfm (56 L/s) 32°F (0°C)	60%	
Sensible Efficiency @ 117 cfm (55 L/s) -13°F (-25°C)	60%	
VAC @ 60Hz	120	
Watts / Low speed	70	
Watts / High speed	182	
Amp rating	1.4	

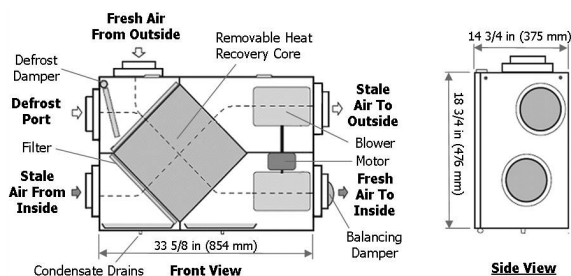
**Sensible Efficiency:** Thermal

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

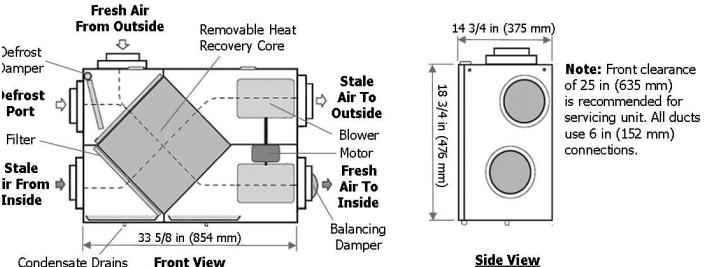
**Efficiency:** Takes into account all power inputs



**WEIGHT: 63LBS. (28.7KG)**  
**DIMENSIONS: INCHES (MM)**



**WEIGHT: 63LBS. (28.7KG)**  
**DIMENSIONS: INCHES (MM)**





- 30 ERV
- 120 ERV/120 ERV-RX
- 130 ERV
- 130 ERVR
- 230 ERV
- 230 ERVR
- 330 ERV
- 730 ERV
- 1230 ERV



Lifebreath residential and commercial Energy Recovery Ventilators (ERVs) are the best choice for ventilating your home or workplace. These units are designed to provide fresh air into the building while exhausting an equal amount of stale air to the outside.

Energy including moisture is transferred between the airstreams reducing the loads on the heating and cooling equipment while delivering the air comfortably and quietly into the space.



## Model Selection

Model	Dimensions H x W x D (in)	Applications and Airflows	Control Included	Winter/ Summer Effectiveness	Highlights
<b>30 ERV</b>	19.25 x 17.8 x 18.75	Condos, hotel rooms and homes up to 1000sqft. Typical airflows 32-64cfm @ 0.3"w.g.	BC01	77/46	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
<b>120 ERV</b> <b>120 ERVX</b>	18.25 x 28.7 x 9.25	Homes up to 2500sqft, condos, hotel rooms and various small commercial applications. Typical airflow 50-108cfm @ 0.3"w.g.	BC01	77/38	Low profile cabinet ideal for installations in bulk heads or where space is limited. 2 Speed unit with high speed selectable 120/1/60. Available in reversed unit (120 ERV-RX)
<b>130 ERV</b>	17.25 x 22.75 x 14	Homes up to 3500sqft and various commercial applications. Typical airflows 60-130cfm, @ 0.3"w.g.	BC01	87/53	Compact top port design with 2 speed operation. High speed has 3 selectable settings and unit includes dampers and adjustable hanging straps. 120/1/60.
<b>130 ERVR</b>	17.25 x 22.75 x 14	Homes up to 3500sqft and various commercial applications. Typical airflows 60-130cfm, @ 0.3"w.g.	DX01	87/53	Same compact design as the 130 ERV plus an internal recirculation damper ideally suited for complimenting ductless heating/cooling systems
<b>230 ERV</b>	19 x 33.5 x 14.75	Homes up to 5000sqft and various commercial applications. Typical airflows 60-185cfm, @ 0.3"w.g.	BC01	87/53	Top port design with 2 speed operation. High speed has 3 selectable settings and unit includes dampers and adjustable hanging straps. 120/1/60
<b>230 ERVR</b>	19 x 33.5 x 14.75	Homes up to 5000sqft and various commercial applications. Typical airflows 60-185cfm, @ 0.3"w.g.	DX01	87/53	Same design as 230 ERV plus an internal recirculation damper ideally suited for complimenting ductless heating/cooling systems

## WARRANTY

Units carry a 10 year warranty on the enthalpic (ERV) core and a 5 year replacement parts warranty.

All units conform to CSA and UL Standards



Visit us at [www.lifebreath.com](http://www.lifebreath.com)



Lifebreath Energy Recovery Ventilators (ERVs) are designed to deliver fresh air into the “breathing zones” of a commercial building while exhausting an equal amount of contaminated air to the outside. These highly efficient energy recovery ventilators work as standalone units complimenting ductless heating/cooling systems or in combination with forced air HVAC equipment.



#### Model Selection

Model	Dimensions H x W x D (in)	Applications and Airflows	Electical	Temperature Effectiveness	Winter/ Summer Effectiveness	Highlights
<b>330 ERV</b>	28.25 x 34 x 18.75	Typical airflows up to 300cfm @ 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.
<b>730 ERV</b>	32.25 x 35.5 x 29	Typical airflows up to 690cfm @ 0.5" w.g.	120/1/60 9 amps	80	77/66	3 speeds, compact cabinet with service access from either side. 2 total energy cores for maximum performance
<b>1230 ERV</b>	32.25 x 35.5 x 42	Typical airflows up to 1230cfm @ 0.5" w.g.	120/1/60 18.8 amps	80	77/66	3 speeds, 3 total energy cores deep in a compact cabinet. Service access from either side allows for a flexible installation

#### WARRANTY

Units carry a 10 year warranty on the enthalpic (ERV) core and a 5 year replacement parts warranty.

All units conform to CSA and UL Standards



Visit us at [www.lifebreath.com](http://www.lifebreath.com)

## ENGINEERING DATA FOR RESIDENTAL ERV'S

### TOTAL RECOVERY CORE

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

### MOTORS & BLOWERS

Each airstream has an independent motorized impeller with multiple fan speed operation

### FILTERS

Washable pre filters in exhaust and supply airstreams.

### MOUNTING THE ERV

Adjustable height "L" brackets supplied.

### FROST PREVENTION

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

### CASE

20 gauge prepainted galvanized steel for superior corrosion resistance, insulated to prevent exterior condensation

### ELECTRONICS

Unit is supplied with a removable electrical box which can be accessed through the main door of the ERV. The controls can be wall mounted in a central location of the home. 3 wire 20 gauge (min.) 100 ft length (max.).

### CONTROLS

#### 99-BC01 Lifestyle Ventilation Control

- 2 speed fan setting (Low/high) ON/OFF Adjustable dehumidistat functions at outdoor temperatures below 59F control Built in relay for interfacing to furnace/AC blower
- 3 wire connection.

#### 99-DX01 Lifestyle Digital Control

- 2 speed operation on each of the user selectable modes:
  - Continuous Ventilation - 20 ON/40 OFF, 20 ON/40Adjustable dehumidistat functions at outdoor temperatures below 59F
- 3 wire connection

### OPTIONAL TIMER

**99-DET01 Lifestyle 20/40/60 Minute Timer** - Initiates high speed ventilation or 20, 40, or 60 minutes, 3 wire connection

### OPTIONAL ACCESSORIES

**99-190 Dual Hood** - One 6 in (152 mm) opening for supply and exhaust.

**99-185 Weatherhoods** - Two 5 in (125 mm)

### WARRANTY

Units carry a five year warranty on the energy recovery core and a 5 year replacement parts warranty.

All units conform to CSA and UL Standards



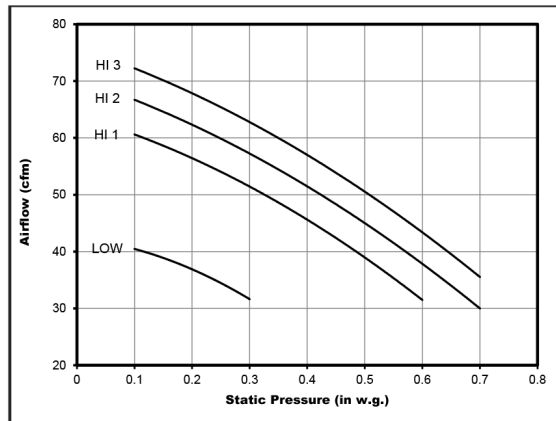
## 30 ERV

Performance		
Net supply airflow in cfm (L/s) against external static pressure		
External Static Pressure	Airflow	
@ 0.1 in (25 Pa)	72 cfm (34 L/s)	
@ 0.2 in (50 Pa)	68 cfm (32 L/s)	
@ 0.3 in (75 Pa)	63 cfm (30 L/s)	
@ 0.4 in (100 Pa)	57 cfm (27 L/s)	
@ 0.5 in (125 Pa)	50 cfm (24 L/s)	
@ 0.6 in (150 Pa)	43 cfm (20 L/s)	
@ 0.7 in (175 Pa)	36 cfm (17 L/s)	
Max. Temperature Recovery	78%	
Sensible Effectiveness @ 55 cfm (26 L/s)	32°F (0°C)	78%
Sensible Efficiency @ 55 cfm (26 L/s)	32°F (0°C)	70%
Total Efficiency @ 63 cfm (30 L/s)	95°F (35°C)	48%
VAC @ 60Hz	120	
Amp rating	0.48	
Watts - High Speed	57	
Watts - Low Speed	44	

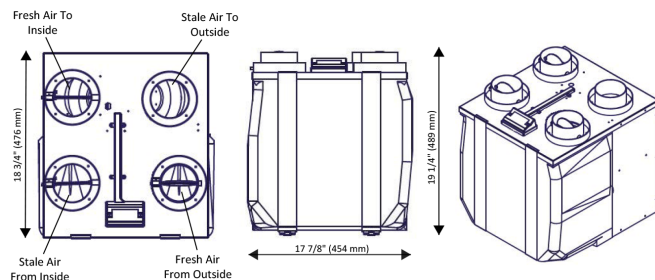
**Sensible Efficiency:** Thermal transfer less power inputs & leakage

**Effectiveness:** Temperature differential

**Efficiency:** Enthalpy transfer less power inputs and leakage



**WEIGHT: 38LBS. (17.2KG)**  
**DIMENSIONS: INCHES (MM)**



## 120 ERV

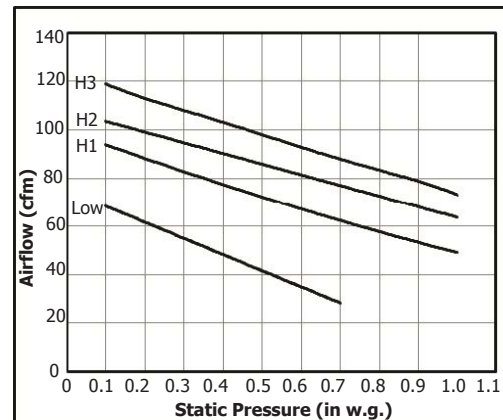
Performance (HVI certified)		
Net supply airflow in cfm (L/s) against external static pressure		
External Static Pressure	Airflow	
@ 0.1 in (25 Pa)	119 cfm (56 L/s)	
@ 0.2 in (50 Pa)	113 cfm (53 L/s)	
@ 0.3 in (75 Pa)	108 cfm (51 L/s)	
@ 0.4 in (100 Pa)	103 cfm (49 L/s)	
@ 0.5 in (125 Pa)	98 cfm (46 L/s)	
@ 0.6 in (150 Pa)	93 cfm (44 L/s)	
@ 0.7 in (175 Pa)	88 cfm (42 L/s)	
@ 0.8 in (200 Pa)	83 cfm (39 L/s)	
Sensible Effectiveness @ 55 cfm (25 L/s)	32°F (0°C)	74%
Sensible Efficiency @ 55 cfm (25 L/s)	32°F (0°C)	62%
Total Efficiency @ 64 cfm (30 L/s)	95°F (0°C)	35%
VAC @ 60Hz	120	
Watts / Low speed	69	
Watts/ High speed	147	
Amp rating	1.7	

**Sensible Efficiency:** Thermal

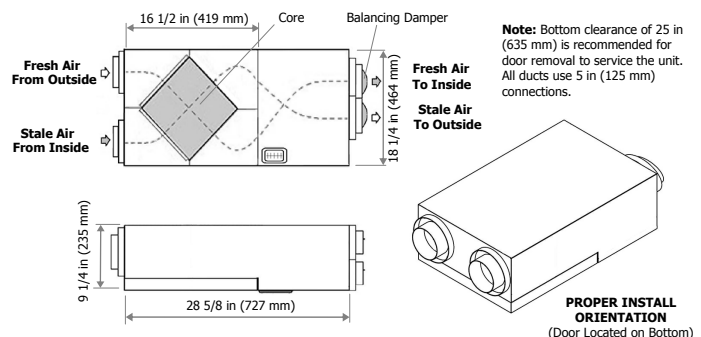
**Total Efficiency:** Moisture and Thermal @95F

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

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



**WEIGHT: 38LBS. (17.2KG)**  
**DIMENSIONS: INCHES (MM)**





## 120 ERV-RX

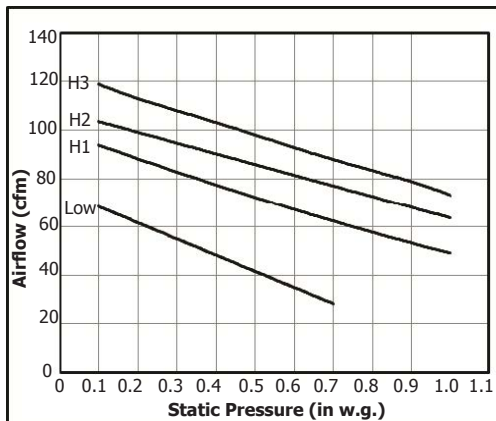
<b>Performance</b> (HVI certified)		
Net supply airflow in cfm (L/s) against external static pressure		
External Static Pressure	Airflow	
@ 0.1 in (25 Pa)	119 cfm (56 L/s)	
@ 0.2 in (50 Pa)	113 cfm (53 L/s)	
@ 0.3 in (75 Pa)	108 cfm (51 L/s)	
@ 0.4 in (100 Pa)	103 cfm (49 L/s)	
@ 0.5 in (125 Pa)	98 cfm (46 L/s)	
@ 0.6 in (150 Pa)	93 cfm (44 L/s)	
@ 0.7 in (175 Pa)	88 cfm (42 L/s)	
@ 0.8 in (200 Pa)	83 cfm (39 L/s)	
Sensible Effectiveness @ 55 cfm (25 L/s)	32°F (0°C)	74%
Sensible Efficiency @ 55 cfm (25 L/s)	32°F (0°C)	62%
Total Efficiency @ 64 cfm (30 L/s)	95°F (0°C)	35%
VAC @ 60Hz	120	
Watts / Low speed	69	
Watts/ High speed	147	
Amp rating	1.7	

**Sensible Efficiency:** Thermal

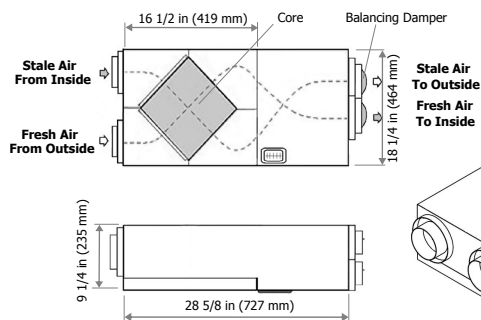
**Total Efficiency:** Moisture and Thermal @95F

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

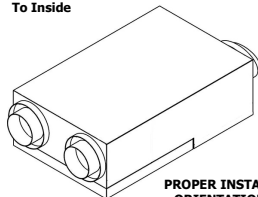
**Efficiency:** Takes into account all power inputs and leakage



**WEIGHT: 38LBS. (17.2KG)**  
**DIMENSIONS: INCHES (MM)**



**Note:** Bottom clearance of 25 in (635 mm) is recommended for door removal to service the unit. All ducts use 5 in (125 mm) connections.



**PROPER INSTALL ORIENTATION**  
(Door Located on Bottom)

## 130 ERV

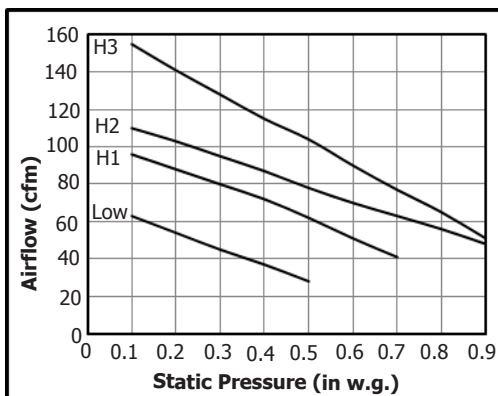
<b>Performance</b> (HVI certified)		
Net supply airflow in cfm (L/s) against external static pressure		
External Static Pressure	Airflow	
@ 0.1 in (25 Pa)	153 cfm (72 L/s)	
@ 0.2 in (50 Pa)	140 cfm (66 L/s)	
@ 0.3 in (75 Pa)	127 cfm (60 L/s)	
@ 0.4 in (100 Pa)	115 cfm (54 L/s)	
@ 0.5 in (125 Pa)	102 cfm (48 L/s)	
@ 0.6 in (150 Pa)	90 cfm (42 L/s)	
@ 0.7 in (175 Pa)	77 cfm (36 L/s)	
@ 0.8 in (200 Pa)	64 cfm (30 L/s)	
@ 0.9 in (225 Pa)	50 cfm (24 L/s)	
Max. Temperature Recovery	87%	
Sensible Effectiveness @ 64 cfm (30 L/s)	32°F (0°C)	87%
Sensible Efficiency @ 66 cfm (31 L/s)	32°F (0°C)	75%
Total Efficiency @ 64 cfm (30 L/s)	95°F (35°C)	53%
VAC @ 60Hz	120	
Watts / Low speed	76	
Watts / High speed	132	
Amp rating	1.4	

**Sensible Efficiency:** Thermal

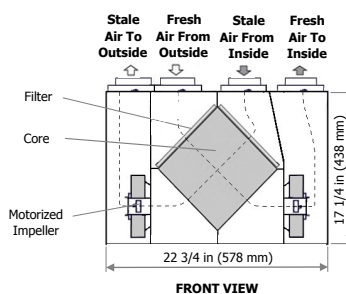
**Total Efficiency:** Moisture and Thermal @95F

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

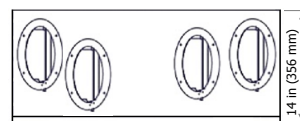
**Efficiency:** Takes into account all power inputs and leakage



**WEIGHT: 51LBS. (23KG)**  
**DIMENSIONS: INCHES (MM)**



**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.



**TOP VIEW**

## 130 ERV-R

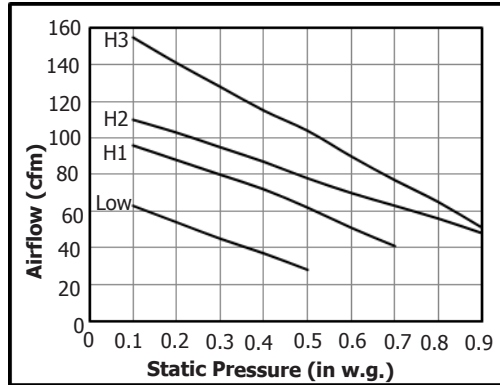
<b>Performance</b> (HVI certified) Net supply airflow in cfm (L/s) against external static pressure		
External Static Pressure	Airflow	
@ 0.1 in (25 Pa)	153 cfm (72 L/s)	
@ 0.2 in (50 Pa)	140 cfm (66 L/s)	
@ 0.3 in (75 Pa)	127 cfm (60 L/s)	
@ 0.4 in (100 Pa)	115 cfm (54 L/s)	
@ 0.5 in (125 Pa)	102 cfm (48 L/s)	
@ 0.6 in (150 Pa)	90 cfm (42 L/s)	
@ 0.7 in (175 Pa)	77 cfm (36 L/s)	
@ 0.8 in (200 Pa)	64 cfm (30 L/s)	
@ 0.9 in (225 Pa)	50 cfm (24 L/s)	
Max. Temperature Recovery	87%	
Sensible Effectiveness		
@ 64 cfm (30 L/s) 32°F (0°C)	87%	
Sensible Efficiency		
@ 66 cfm (31 L/s) 32°F (0°C)	75%	
Total Efficiency		
@ 64 cfm (30 L/s) 95°F (35°C)	53%	
VAC @ 60Hz	120	
Watts / Low speed	76	
Watts / High speed	132	
Amp rating	1.4	

**Sensible Efficiency:** Thermal

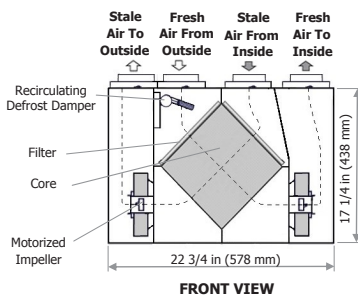
**Total Efficiency:** Moisture and Thermal @95F

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

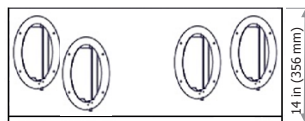
**Efficiency:** Takes into account all power inputs and leakage



**WEIGHT: 75LBS. (34KG)**  
**DIMENSIONS: INCHES (MM)**



**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.



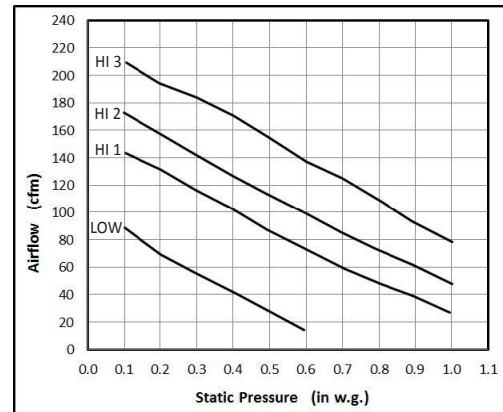
TOP VIEW

## 230 ERV

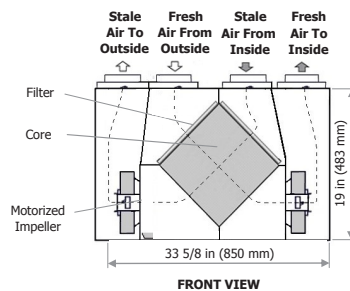
<b>Performance</b> (HVI certified) Net supply airflow in cfm (L/s) against external static pressure		
External Static Pressure	Airflow	
@ 0.1 in (25 Pa)	209 cfm (99 L/s)	
@ 0.2 in (50 Pa)	194 cfm (92 L/s)	
@ 0.3 in (75 Pa)	184 cfm (87 L/s)	
@ 0.4 in (100 Pa)	170 cfm (80 L/s)	
@ 0.5 in (125 Pa)	154 cfm (73 L/s)	
@ 0.6 in (150 Pa)	137 cfm (65 L/s)	
@ 0.7 in (175 Pa)	125 cfm (59 L/s)	
@ 0.8 in (200 Pa)	108 cfm (51 L/s)	
@ 0.9 in (225 Pa)	93 cfm (44 L/s)	
@ 1.0 in (250 Pa)	78 cfm (37 L/s)	
Max. Temperature Recovery	87%	
Sensible Effectiveness		
@ 64 cfm (30 L/s) 32°F (0°C)	87%	
Total Efficiency		
@ 64 cfm (30 L/s) 95°F (35°C)	53%	
VAC @ 60Hz	120	
Watts / Low speed	64	
Watts / High speed	96	
Amp rating	1.4	

**Total Efficiency:** Moisture and Thermal @95F

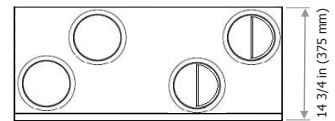
**Effectiveness:** Based on temperature differential between the 2 airstreams



**WEIGHT: 75LBS. (34KG)**  
**DIMENSIONS: INCHES (MM)**



**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 on two collars.



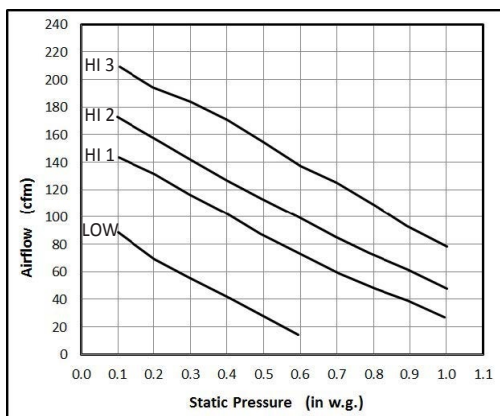
TOP VIEW

## 230 ERV-R

Performance (HVI certified)		
Net supply airflow in cfm (L/s) against external static pressure		
External Static Pressure	Airflow	
@ 0.1 in (25 Pa)	209 cfm (99 L/s)	
@ 0.2 in (50 Pa)	194 cfm (92 L/s)	
@ 0.3 in (75 Pa)	184 cfm (87 L/s)	
@ 0.4 in (100 Pa)	170 cfm (80 L/s)	
@ 0.5 in (125 Pa)	154 cfm (73 L/s)	
@ 0.6 in (150 Pa)	137 cfm (65 L/s)	
@ 0.7 in (175 Pa)	125 cfm (59 L/s)	
@ 0.8 in (200 Pa)	108 cfm (51 L/s)	
@ 0.9 in (225 Pa)	93 cfm (44 L/s)	
@ 1.0 in (250 Pa)	78 cfm (37 L/s)	
Max. Temperature Recovery	87%	
Sensible Effectiveness		
@ 64 cfm (30 L/s)	32°F (0°C)	87%
Total Efficiency		
@ 64 cfm (30 L/s)	95°F (35°C)	53%
VAC @ 60Hz	120	
Watts / Low speed	64	
Watts / High speed	96	
Amp rating	1.4	

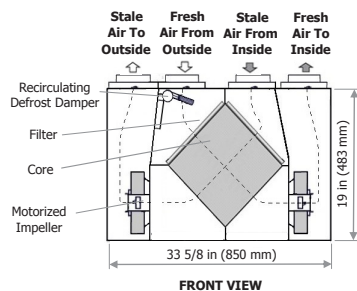
**Total Efficiency:** Moisture and Thermal @95F

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

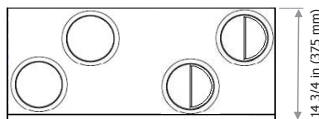


**WEIGHT: 75LBS. (34KG)**

**DIMENSIONS: INCHES (MM)**



**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 on two collars.



## 330 ERV

### ENGINEERING DATA

#### TOTAL RECOVERY CORE

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

#### MOTORS

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

#### FILTER

2" pleated MERV 8 filter in supply air stream.

#### BLOWERS

Slide easily in / out of unit. Centrifugal type rated at 500 CFM (236 L/s) free air delivery. Each air stream has one single shafted motor driving a centrifugal blower.

**CONNECTION DUCT SIZES** - Four - 8" x 8" (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. Automatic Self Test. Optional remote speed control.

#### FROST PREVENTION

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

### OPTIONAL CONTROLS

**99-500 3 Speed Control** - 3 Speed Fan setting (Low/Medium/High) (4 wire) 20 gauge wire (minimum)

**99-BC-01 Ventilation Control** - 2 Speed Fan setting (Low/High) - Dehumidistat (3 wire) 20 gauge wire (minimum)

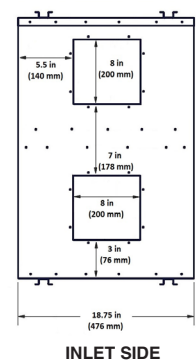
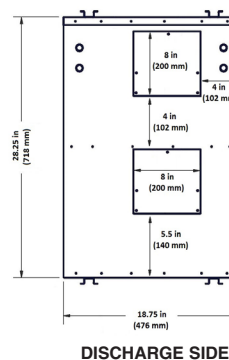
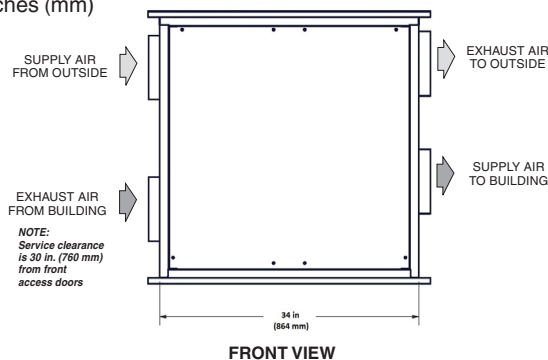
### OPTIONAL TIMERS

**99-DET01 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40, 60 minutes. (3 wire) 20 gauge wire (minimum)

### DIMENSIONS inches (mm)

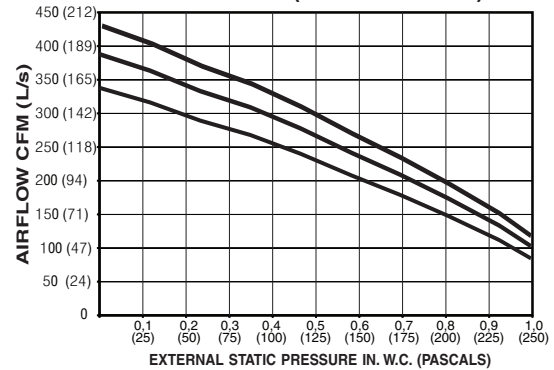
#### NOTE:

The 330ERV model may easily be reversed in the field. Refer to page 18 for installation instructions.

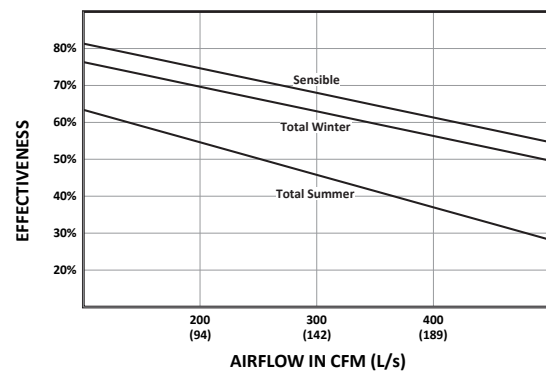


### PERFORMANCE

#### AIRFLOWS (Each Air Stream)



#### TOTAL EFFECTIVENESS



**AHRI 1060 Certified Core:**  
Contains one 68-280

### WARRANTY

All units carry a 10 year warranty on the heat recovery cores and a 5 year replacement parts warranty.

NOTE: All specifications are subject to change without notice

## 730 ERV

### ENGINEERING DATA

#### TOTAL RECOVERY CORES

The cross-flow energy recovery cores transfer heat and water vapor between the two airstreams. They are easily removed for cleaning or service.

#### MOTORS

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

#### FILTERS

2" pleated MERV 8 filters in supply air stream.

#### 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" x 8" (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. Automatic Self Test. Optional remote speed control.

#### FROST PREVENTION

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

#### OPTIONAL CONTROLS

**99-500 3 Speed Control** - 3 Speed Fan setting (Low/Medium/High) (4 wire) 20 gauge wire (minimum)

**99-BC-01 Ventilation Control** - 2 Speed Fan setting (Low/High) - Dehumidistat (3 wire) 20 gauge wire (minimum)

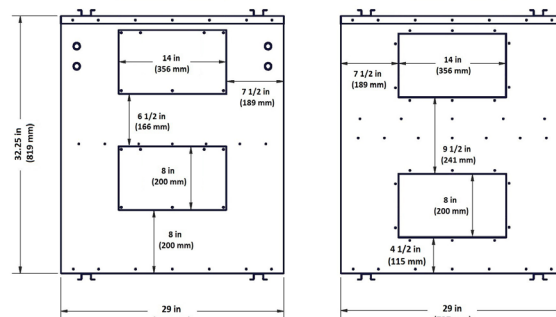
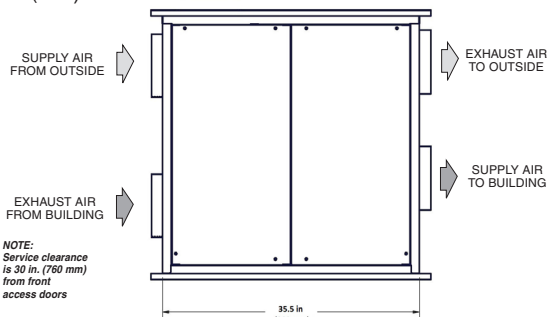
#### OPTIONAL TIMERS

**99-DET01 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40, 60 minutes. (3 wire) 20 gauge wire (minimum)

### DIMENSIONS inches (mm)

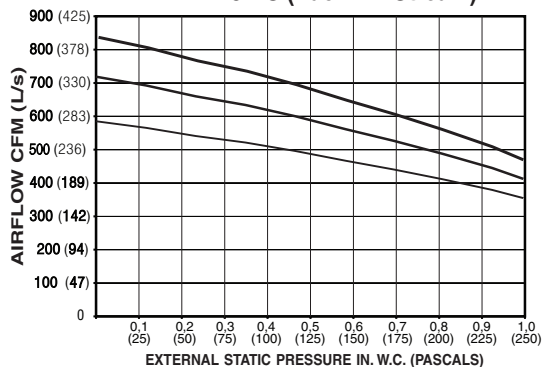
#### NOTE:

The 730ERV model may easily be reversed in the field. Refer to page 18 for installation instructions.

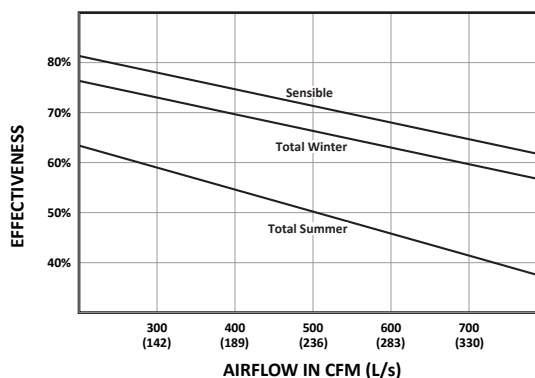


### PERFORMANCE

#### AIRFLOWS (Each Air Stream)



#### TOTAL EFFECTIVENESS



**AHRI 1060 Certified Core:**  
Contains two 68-280

### WARRANTY

All units carry a 10 year warranty on the heat recovery cores and a 5 year replacement parts warranty.

NOTE: All specifications are subject to change without notice



## 1230 ERV

### ENGINEERING DATA

#### TOTAL RECOVERY CORES

The cross-flow energy recovery cores transfer heat and water vapor between the two airstreams. They are 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" pleated MERV 8 filters in supply air stream.

#### 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" x 8" (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. Automatic Self Test. Optional remote speed control.

#### FROST PREVENTION

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

**WEIGHT** 285 LBS (130 KG) **SHIPPING WEIGHT** 335 LBS. (152 KG)

#### OPTIONAL CONTROLS

**99-500 3 Speed Control** - 3 Speed Fan setting (Low/Medium/High) (4 wire) 20 gauge wire (minimum)

**99-BC-01 Ventilation Control** - 2 Speed Fan setting (Low/High) - Dehumidistat (3 wire) 20 gauge wire (minimum)

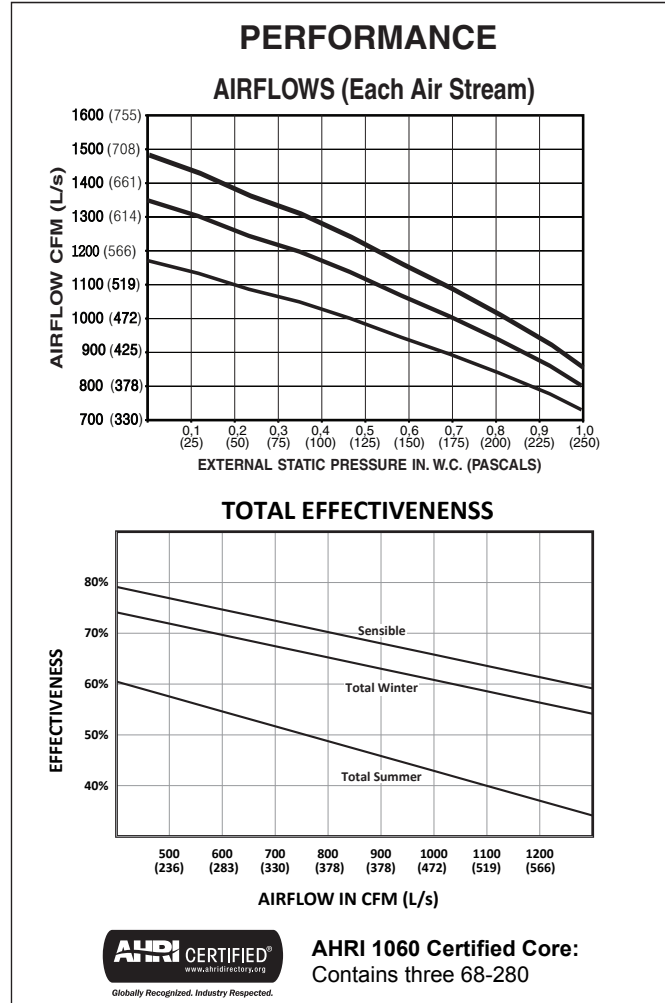
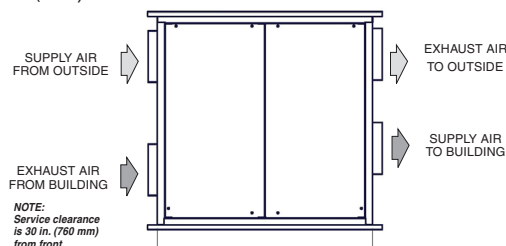
#### OPTIONAL TIMERS

**99-DET01 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40, 60 minutes. (3 wire) 20 gauge wire (minimum)

### DIMENSIONS inches (mm)

#### NOTE:

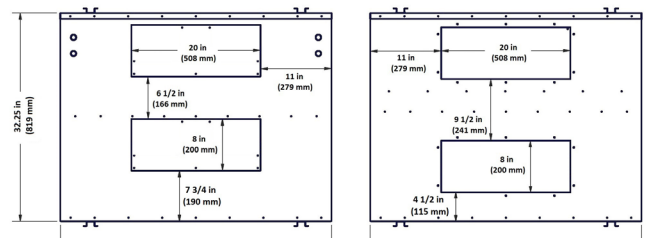
The 1230ERV model may easily be reversed in the field. Refer to page 18 for installation instructions.



### WARRANTY

All units carry a 10 year warranty on the heat recovery cores and a 5 year replacement parts warranty.

NOTE: All specifications are subject to change without notice

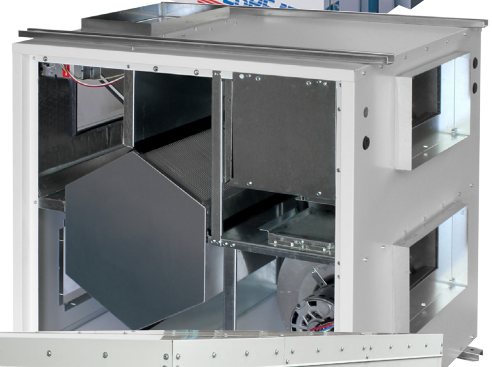


- 350 DCS
- 455 FD/ 455 DD
- 650 FD/ 650 DD
- 700 FD/700 DD
- 1200 FD/1200 DD
- 700 POOL
- 1200 POOL
- 1500I-ECM
- 1500E-ECM
- 2000 IFD
- 2000 EFD
- 2500 IFD
- 2500 EFD

1200 DD



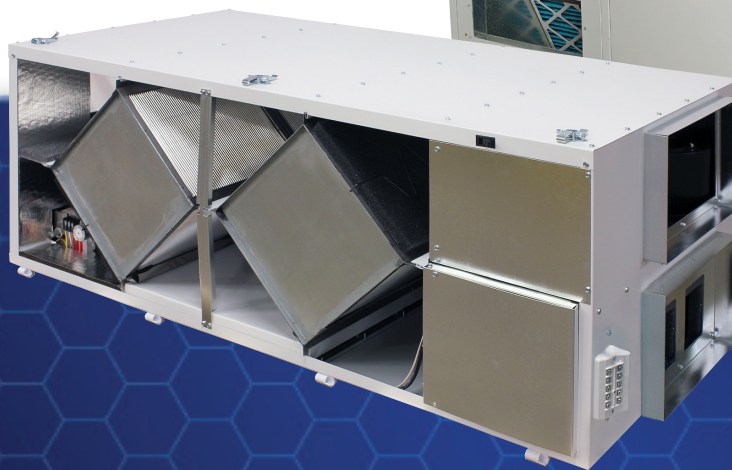
700 POOL






2000-IFD-EFD







350DCS



## Model Selection

Indoor Use Models	Effectiveness @ 0° C (32° F)	Dimensions H x W x D (in)	Product Features
 <b>350 DCS</b> <b>350 DCS-REV</b>	95%	18.750 (H) 49.000 (W) 28.250 (D)	Airflow up to 400 CFM*; Highly efficient dual core system features a low profile cabinet designed for installations above suspended ceilings. Digital wall control included.
 <b>455 FD</b> <b>455 DD</b>	62%**	25.625 (H) 29.625 (W) 28.750 (D)	Airflows up to 450 CFM*; Compact and reliable unit for installation in tight locations. Available in damper defrost (DD) or fan defrost (FD).
 <b>650 FD</b> <b>650 DD</b>	80%	24.625 (H) 46.750 (W) 41.500 (D)	Airflow up to 650 CFM*; Two sets of cores in series allows for high efficiency transfer of energy between airstreams. Low profile cabinet allows for installations above suspended ceilings. Available in fan defrost (FD) or damper defrost (DD).

## NEW RELEASES

 <b>700 FD</b> <b>700 DD</b>	62%**	32.25 (H) 33.25 (W) 29.00 (D)	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) or damper defrost (DD) and option to add MERV 8 filter (99-65-183).
 <b>1200 FD</b> <b>1200 DD</b>	62%***	32.25 (H) 33.25 (W) 42.00 (D)	Airflows 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 (99-64-184).
 <b>700 POOL</b>	62%**	32.25 (H) 33.25 (W) 29.00 (D)	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 door 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.
 <b>1200 POOL</b>	62%***	32.25 (H) 33.25 (W) 42.00 (D)	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 door 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.






\*Refer to model specifications for design information. Specifications are available at [www.lifebreath.com](http://www.lifebreath.com)

\*\* contains two AHRI 1060 certified cores







\*\*\*contains three AHRI 1060 certified cores



## Interior Models

Models	Effectiveness @ 0° C (32° F)	Dimensions H x W x D (in)	Product Features
 <b>1500I-ECM</b>	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. Standard fan defrost and various duct configurations available.
 <b>2000 IFD-240SP</b>	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. Various duct configuration options available.
 <b>2000 IFD-460</b>	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. Various duct configuration options available.
 <b>2000 IFD-575</b>	65%	39 x 66.75 x 57.25	Airflows up to 2500 CFM*; Fan defrost, 575 volt, 3 phase, single speed unit designed for interior installations. Various duct configuration options available.
 <b>2500 IFD</b>	70%	47 x 89.9 x 38.4	Airflows up to 2600 CFM*; 3 speed fan defrost unit designed for interior installations. Various duct configuration available.

## Exterior Models

 <b>1500E-ECM</b>	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. Standard fan defrost and various duct configurations available.
 <b>1500E-ECM-E</b>	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. Standard fan defrost, side ported roof top unit with hoods. Various duct configurations available.
 <b>2000 EFD-240</b>	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. Various duct configuration options available.
 <b>2000 EFD-460</b>	65%	43 x 69.5 x 59.75	Airflows up to 2500 CFM*; Fan defrost, 460 volt, 3 phase, single speed unit designed for exterior installations. Various duct configuration options available.
 <b>2000 EFD-575</b>	65%	43 x 69.5 x 59.75	Airflows up to 2500 CFM*; Fan defrost, 575 volt, 3 phase, single speed unit designed for exterior installations. Various duct configuration options available.
 <b>2500 EFD</b>	70%	47 x 89.9 x 38.4	Airflows up to 2600 CFM*; 3 speed fan defrost unit designed for exterior installations. Various duct configuration available.

\*Refer to model specifications for design information. Specifications are available at [www.lifebreath.com](http://www.lifebreath.com)

## 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: 15

### FILTERS

Washable air filters in exhaust and supply air streams.

### 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.

### CONNECTION DUCT SIZES

Four – 14" x 8" (356mm x 200mm)

### 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.

### DEFROST

Supply bypass damper routes indoor air to defrost cores.

### CONTROLS & ELECTRONICS

The Lifestyle MAX Digital Control (99-DXPL01 included) can be wall mounted in a central location. Connects to (3 wire) 20 gauge wire (min.) 100' length.

Features include:

- 5 speed operation on each mode
- 2 user selectable operational modes: Continuous ventilation, 20 ON/40 OFF
- Humidity Control through dehumidistat
- Adjustable Dehumidistat function built into main wall control
- Built-in relay for interfacing to furnace

### OPTIONAL PROGRAMMABLE CONTROL

**99-LS01 Lifestyle MAX Programmable Control** - contains all the features of the Lifestyle MAX Digital Control with 7/24 programmable ventilation, (3 wire) 20 gauge wire (min.) 100' length

### OPTIONAL ACCESSORIES

**99-DH-01 Lifestyle Dehumidistat** - Initiates high speed ventilation when the indoor humidity level is above the set point. (3 wire) 20 gauge wire (min.) 100' length

### OPTIONAL TIMERS

**99-DET01 Lifestyle 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40, or 60 minutes, (3 wire) 20 gauge wire (min.) 100' length

**WEIGHT: 160 LBS. (70 KG)**

**SHIPPING WEIGHT: 240 LBS. (110 KG)**

## WARRANTY

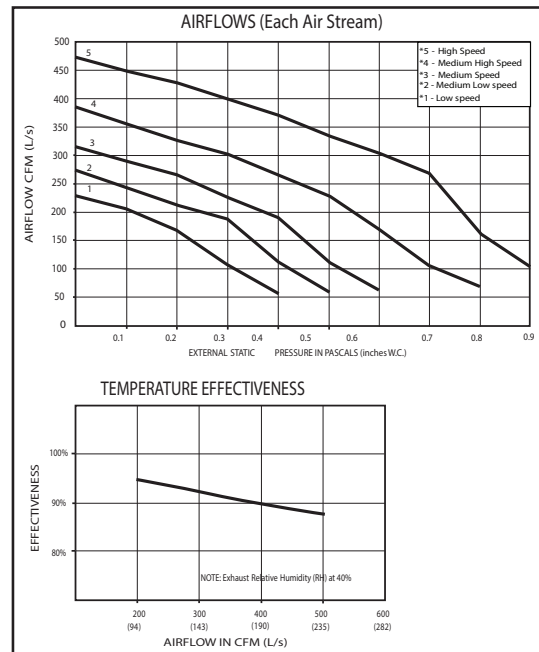
Units carry a 15 year warranty on the heat recovery core and a 2 year replacement parts warranty

All units conform to CSA and UL Standards

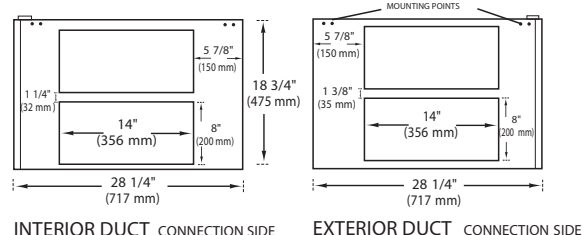
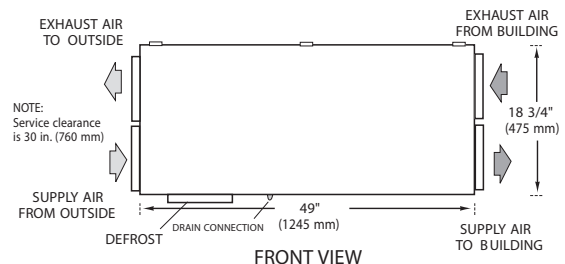
**ISO  
9001  
REGISTERED**

## 350 DCS

Performance	
Net supply airflow in cfm (L/s) against external static pressure	
E.S.P. (External Static Pressure)	Airflow [CFM (L/s)]
@ 0.1" (25 Pa)	450 (212)
@ 0.2" (50 Pa)	426 (201)
@ 0.3" (75 Pa)	400 (189)
@ 0.4" (100 Pa)	371 (175)
@ 0.5" (125 Pa)	337 (159)
@ 0.6" (150 Pa)	304 (143)
@ 0.7" (175 Pa)	269 (127)
@ 0.8" (200 Pa)	158 (75)
@ 0.9" (225 Pa)	107 (50)
VAC @ 60Hz	120
Watts / Low speed	187
Watts / High speed	610
Amp rating	2.9



### DIMENSIONS: INCHES (MM)





## ENGINEERING DATA

### CORES

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

### MOTORS

Two PSC, 3 speed single shafted, 120 VAC, 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

Centrifugal type rated at 500 CFM (236 L/s) free air delivery. Each air stream has one single shafted motor driving a centrifugal blower.

### CONNECTION DUCT SIZES

455FD-Four - 20" x 8" (508 mm x 200 mm)

455DD-Five - 20" x 8" (508 mm x 200 mm)

### MOUNTING

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

### CASE

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" (12 mm) O.D.

### ELECTRONICS

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

### DEFROST CONTROLS

**MODEL 455FD** - Interrupts supply air while exhaust air defrosts core.

**MODEL 455DD** - Supply bypass routes indoor air to defrost core.

### OPTIONAL CONTROLS

**99-500 3 Speed Control** - 3 Speed Fan setting (Low/Medium/High) (4 wire) 20 gauge wire (minimum)

**99-BC-01 Ventilation Control** - 2 Speed Fan setting (Low/High) - Dehumidistat (3 wire) 20 gauge wire (minimum)

### OPTIONAL TIMERS

**99-DET01 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40, 60 minutes. (3 wire) 20 gauge wire (minimum)

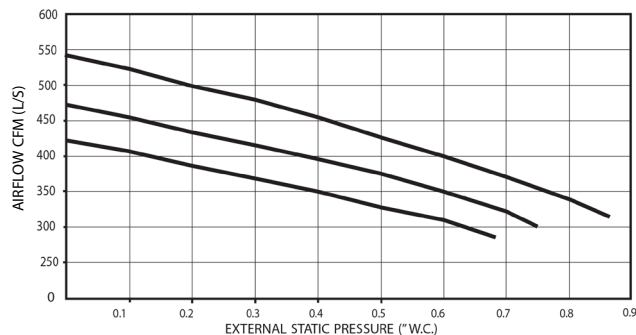
### OPTIONAL ACCESSORIES

**99-DH-01 Remote Wall Dehumidistat** - Initiates high speed ventilation when the indoor humidity level is above the set point. (3 wire) 20 gauge wire (minimum)

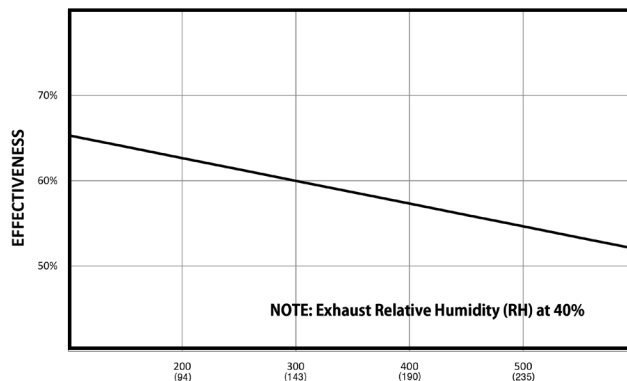
## 455 FD / 455 DD

## PERFORMANCE

AIRFLOWS (Each Air Stream)



## TEMPERATURE EFFECTIVENESS



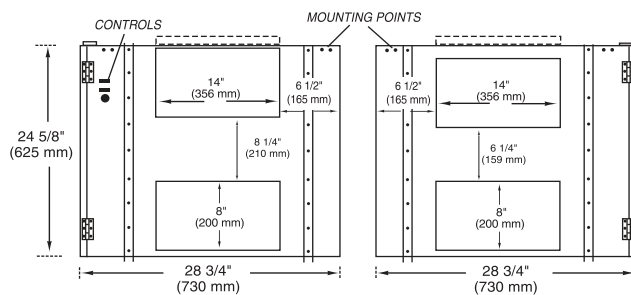
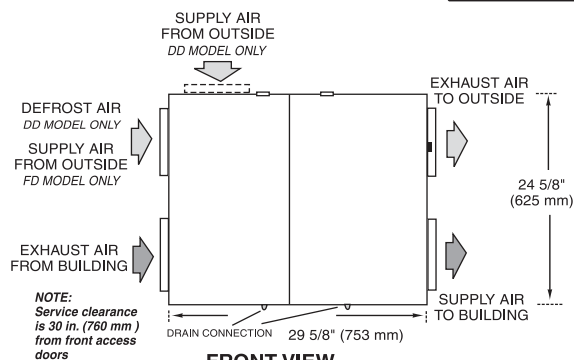
NOTE: Exhaust Relative Humidity (RH) at 40%

AIRFLOW IN CFM (L/s)

**WEIGHT 150 LBS. (70 KG)**

**SHIPPING WEIGHT 210 LBS. (90 KG)**

**DIMENSIONS: INCHES (MM)**



## WARRANTY

Units carry a 15 year warranty on the heat recovery core and a 2 year replacement parts warranty

All units conform to CSA and UL Standards

**ISO  
9001  
REGISTERED**

## ENGINEERING DATA

### CORES

Two modular (3 section) patented aluminum heat recovery cores arranged for high efficiency cross-flow ventilation.

### MOTORS

Two PSC, 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

Washable air filters in exhaust and 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.

### CONNECTION DUCT SIZES

Three – 20" x 8" (508mm x 200mm).

Stale air intake – 26" x 8" (660mm x 200mm).

Model 650DD – additional 20" x 8" defrost port.

### MOUNTING

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

### CASE

20 gauge pre-painted galvanized steel for superior corrosion resistance. Insulated with foil faced insulation duct liner where required to prevent exterior condensation.

Drain connections, two – 1/2" (12mm) O.D.

### DEFROST

**650 FD:** Interrupts supply air while exhaust air defrosts core.

**650 DD:** Supply bypass routes indoor air to defrost core.

### CONTROLS & ELECTRONICS

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

### OPTIONAL CONTROLS

**99-500 3 Speed Control** - 3 Speed Fan setting (Low/Medium/High) (4 wire) 20 gauge wire (minimum)

**99-BC-01 Ventilation Control** - 2 Speed Fan setting (Low/High) - Dehumidistat (3 wire) 20 gauge wire (minimum)

### OPTIONAL TIMERS

**99-DET01 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40, 60 minutes. (3 wire) 20 gauge wire (minimum)

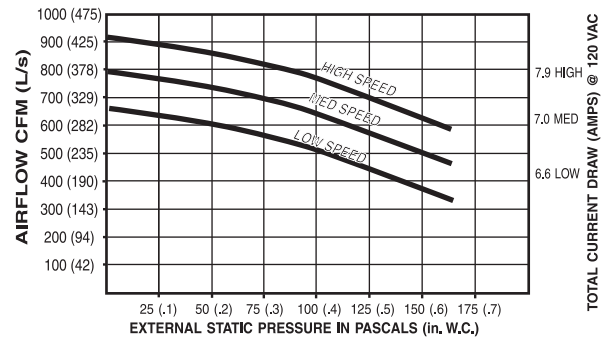
### OPTIONAL ACCESSORIES

**99-DH-01 Remote Wall Dehumidistat** - Initiates high speed ventilation when the indoor humidity level is above the set point. (3 wire) 20 gauge wire (minimum)

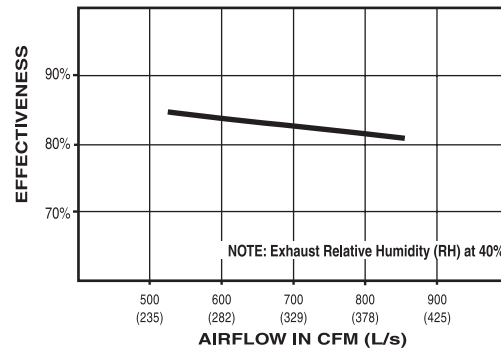
## 650 FD / 650 DD

## PERFORMANCE

### AIRFLOWS (Each Air Stream)



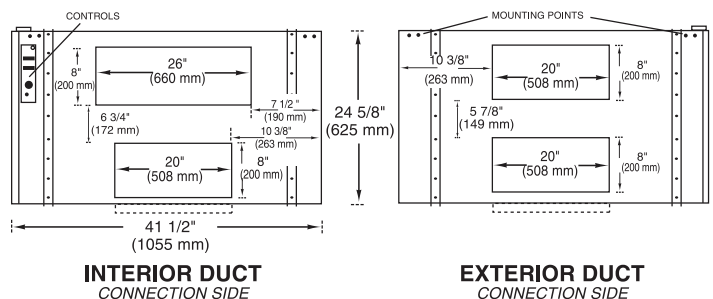
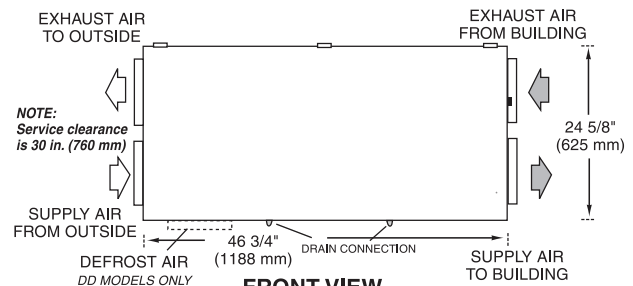
### TEMPERATURE EFFECTIVENESS



**WEIGHT: 270 LBS. (120 KG)**

**SHIPPING WEIGHT: 350 LBS. (160 KG)**

**DIMENSIONS: INCHES (MM)**



## WARRANTY

Units carry a 15 year warranty on the heat recovery core and a 2 year replacement parts warranty

All units conform to CSA and UL Standards

**ISO  
9001  
REGISTERED**

## ENGINEERING DATA

### CORES

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

### MOTORS

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

### FILTERS

Washable air filters in exhaust and supply air streams.

### BLOWERS

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

### CONNECTION DUCT SIZES

700FD - Four - 14" x 8" (356 mm x 200 mm)

700DD - Five - 14" x 8" (356 mm x 200 mm)

### MOUNTING

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

### CASE

Unit has front and back access doors and electrical panel can be switched to either side, allowing 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" (12 mm) O.D.

### ELECTRONICS

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

### DEFROST CONTROLS

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

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

### OPTIONAL CONTROLS

**99-500 3 Speed Control** - 3 Speed Fan setting (Low/Medium/High) (4 wire) 20 gauge wire (minimum)

**99-BC-01 Ventilation Control** - 2 Speed Fan setting (Low/High) - Dehumidistat (3 wire) 20 gauge wire (minimum)

### OPTIONAL TIMERS

**99-DET01 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40, 60 minutes. (3 wire) 20 gauge wire (minimum)

**99-20M01 20 Minute Timer** - Initiates high speed ventilation for 20 minutes. (3 wire) 20 gauge wire (minimum)

### OPTIONAL ACCESSORIES

**99-DH-01 Remote Wall Dehumidistat** - Initiates high speed ventilation when the indoor humidity level is above the set point. (3 wire) 20 gauge wire (minimum)

### OPTIONAL FILTERS

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

**NOTE: 700 FD/DD MAY BE EASILY REVERSED IN THE FIELD**

## WARRANTY

Units carry a 15 year warranty on the heat recovery core and a 2 year replacement parts warranty

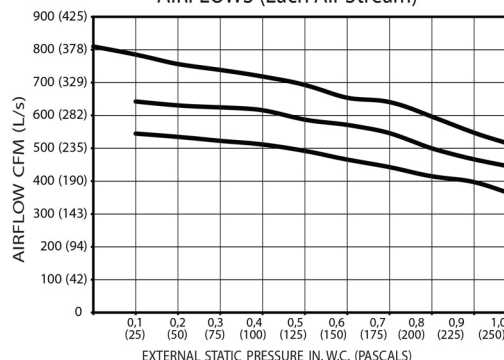
All units conform to CSA and UL Standards

**ISO  
9001  
REGISTERED**

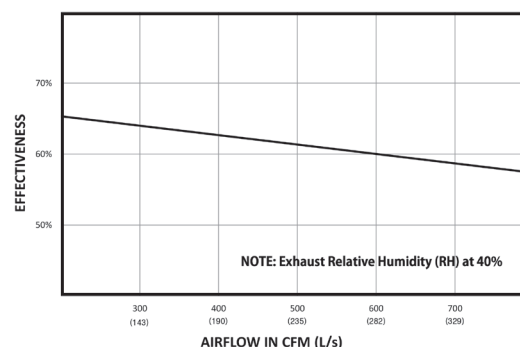
## 700 FD / 700 DD

## PERFORMANCE

### AIRFLOWS (Each Air Stream)



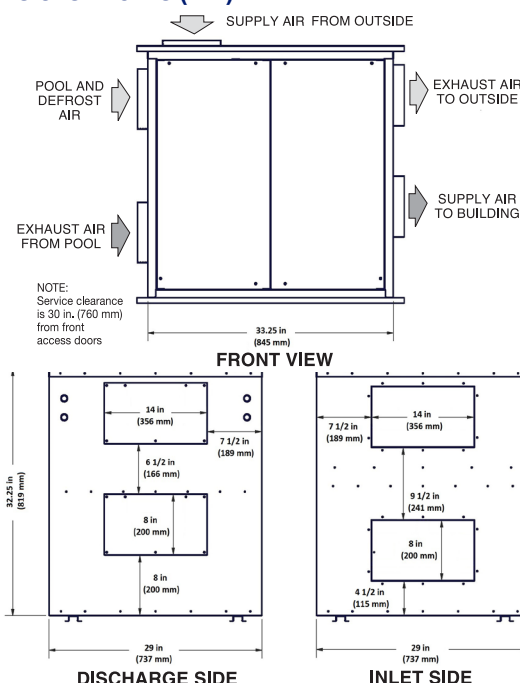
### TEMPERATURE EFFECTIVENESS



**WEIGHT: 260 LBS. (118 KG)**

**SHIPPING WEIGHT 310 LBS. (141 KG)**

**DIMENSIONS: INCHES (MM)**



## ENGINEERING DATA

### CORES

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

### MOTORS

Two PSC, 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

Blowers slide easily in and out. 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

1200FD - Four - 20" x 8" (508 mm x 200 mm)

1200DD - Five - 20" x 8" (508 mm x 200 mm)

### MOUNTING

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

### CASE

Unit has front and back access doors and electrical panel can be switched to either side, allowing 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" (12 mm) O.D.

### ELECTRONICS

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

### DEFROST CONTROLS

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

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

### OPTIONAL CONTROLS

**99-500 3 Speed Control** - 3 Speed Fan setting (Low/Medium/High) (4 wire) 20 gauge wire (minimum)

**99-BC-01 Ventilation Control** - 2 Speed Fan setting (Low/High) - Dehumidistat (3 wire) 20 gauge wire (minimum)

### OPTIONAL TIMERS

**99-DET01 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40, 60 minutes. (3 wire) 20 gauge wire (minimum)

**99-20M01 20 Minute Timer** - Initiates high speed ventilation for 20 minutes. (3 wire) 20 gauge wire (minimum)

### OPTIONAL ACCESSORIES

**99-DH-01 Remote Wall Dehumidistat** - Initiates high speed ventilation when the indoor humidity level is above the set point. (3 wire) 20 gauge wire (minimum)

### OPTIONAL FILTERS:

99-65-184 - 2" pleated MERV 8 filter for fresh air stream

**NOTE: 1200 FD/DD MAY BE EASILY REVERSED IN THE FIELD**

## WARRANTY

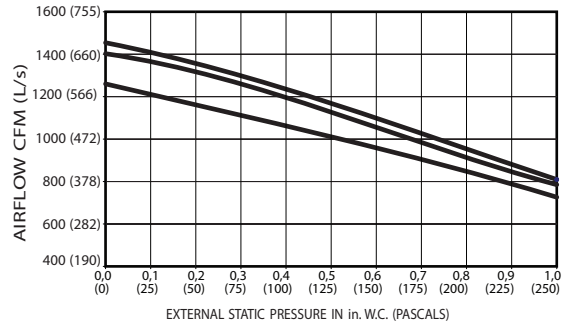
Units carry a 15 year warranty on the heat recovery core and a 2 year replacement parts warranty

All units conform to CSA and UL Standards

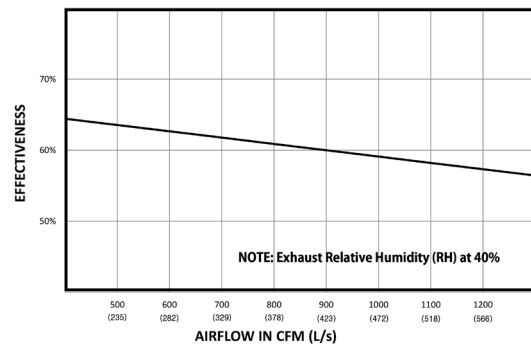
**ISO  
9001  
REGISTERED**

## 1200 FD / 1200 DD

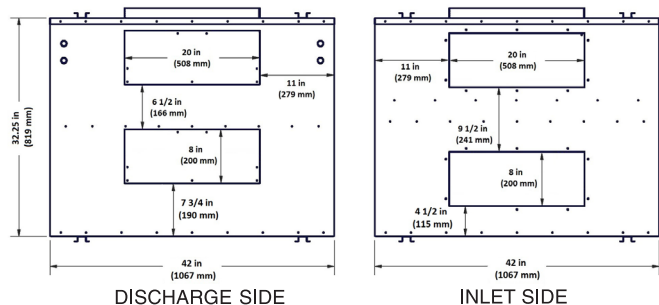
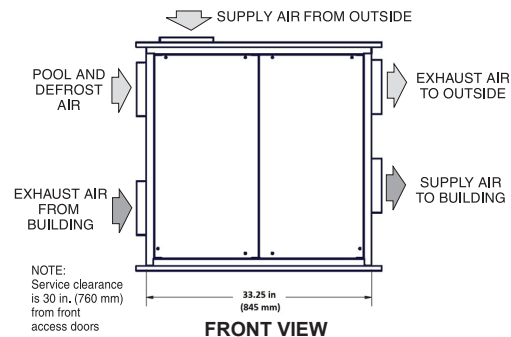
### PERFORMANCE AIRFLOWS (Each Air Stream)



### TEMPERATURE EFFECTIVENESS



**WEIGHT 285 LBS. (130 KG)**  
**SHIPPING WEIGHT 335 LBS. (152 KG)**  
**DIMENSIONS: INCHES (MM)**



## ENGINEERING DATA

### CORES

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

### MOTORS

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

MCA: 11.3 MOP: 15

### FILTERS

Washable air filters in exhaust and supply air streams.

### BLOWERS

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

### CONNECTION DUCT SIZES

Five - 14" x 8" (356 mm x 200 mm).

### MOUNTING

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

### CASE

Unit has front and back access doors and electrical panel can be switched to either side, allowing the installer flexibility in duct direction. 20 gauge prepainted galvanized steel (G60) for superior corrosion resistance. Insulated with foil faced insulation duct liner where required to prevent exterior condensation.

Drain connections; two - 1/2" (12 mm) O.D.

### ELECTRONICS

Integrated microprocessor circuit board. Built-in interlock contacts. Automatic Self Test. Remote dehumidistat included.

### DEFROST

Supply bypass routes indoor air to defrost core

### OPTIONAL FILTERS

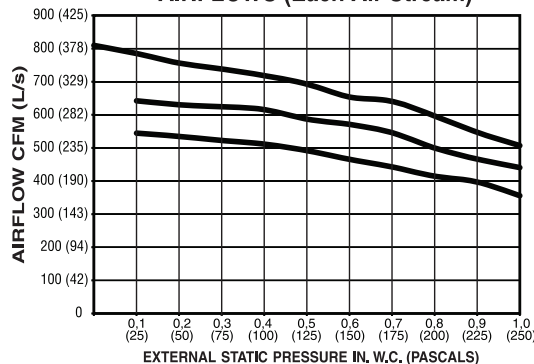
99-65-183 - 2" pleated MERV 8 filter for fresh air stream.

**NOTE: THE 700 POOL MAY BE EASILY REVERSED IN THE FIELD**

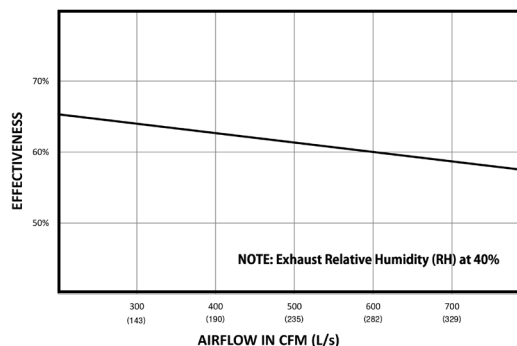
## 700 POOL

### PERFORMANCE

#### AIRFLOWS (Each Air Stream)



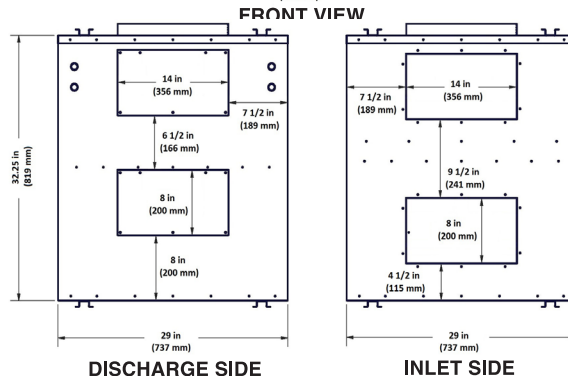
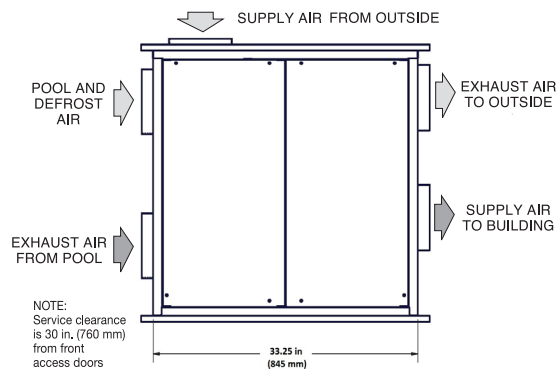
#### TEMPERATURE EFFECTIVENESS



**WEIGHT: 260 LBS (118KG)**

**SHIPPING WEIGHT: 310 LBS (141KG)**

**DIMENSIONS: INCHES (MM)**



## WARRANTY

Units carry a 15 year warranty on the heat recovery core and a 2 year replacement parts warranty

All units conform to CSA and UL Standards

**ISO  
9001  
REGISTERED**



## ENGINEERING DATA

### CORES

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

### MOTORS

Two PSC, 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

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

### CONNECTION DUCT SIZES

Five - 20" x 8" (508 mm x 200 mm).

### MOUNTING

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

### CASE

Unit has front and back access doors and electrical panel can be switched to either side, allowing the installer flexibility in duct direction. 20 gauge prepainted galvanized steel (G60) for superior corrosion resistance. Insulated with foil faced insulation duct liner where required to prevent exterior condensation.

Drain connections; two - 1/2" (12 mm) O.D.

### ELECTRONICS

Integrated microprocessor circuit board. Built-in interlock contacts. Automatic Self Test. Remote dehumidistat included.

### DEFROST CONTROLS

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

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

### OPTIONAL CONTROLS

Supply bypass damper routes indoor air to defrost core.

### OPTIONAL FILTERS

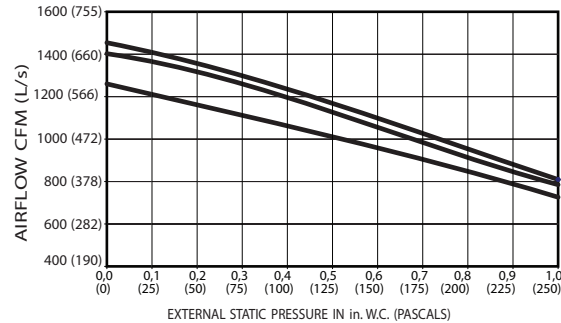
**99-65-184** - 2" pleated MERV 8 filter for fresh air stream.

**NOTE: THE 1200POOL MODEL MAY EASILY BE REVERSED IN THE FIELD.**

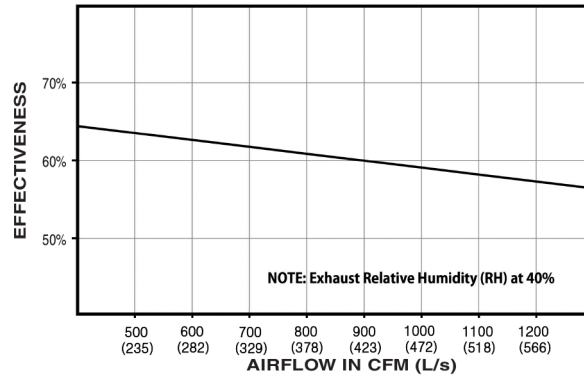
## 1200 POOL

### PERFORMANCE

AIRFLOWS (Each Air Stream)



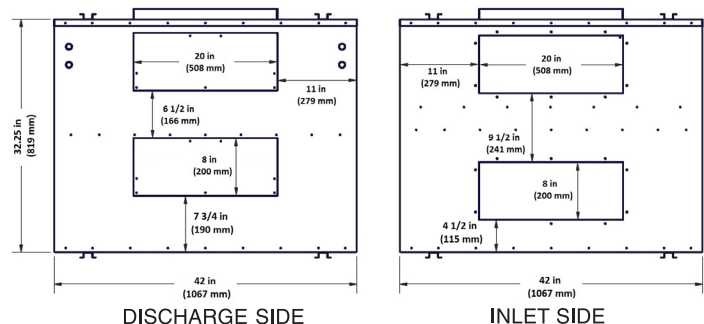
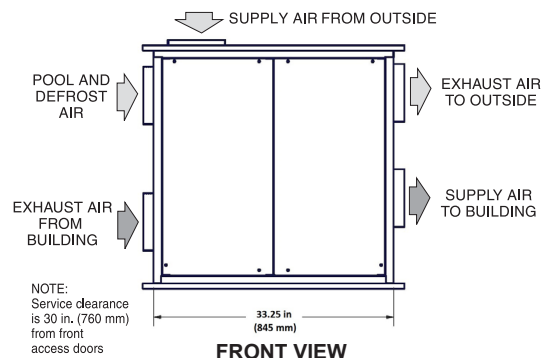
### TEMPERATURE EFFECTIVENESS



**WEIGHT: 285 LBS. (130 KG)**

**SHIPPING WEIGHT 335 LBS. (152 KG)**

**DIMENSIONS: INCHES (MM)**



### WARRANTY

Units carry a 15 year warranty on the heat recovery core and a 2 year replacement parts warranty

All units conform to CSA and UL Standards

**ISO 9001 REGISTERED**

## ENGINEERING DATA

### AIRFLOW

1500 cfm (705 L/s) at 1.0" wg 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, 240VAC, 9.1 A, 1 ph, 1 hp. (18.2 a total) MCA: 22.8 MOP: 30.

### BLOWERS

Two direct drive centrifugal blowers, one per airstream.

### FILTERS

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

### CONNECTION DUCT SIZES

Four 18" x 18" (457 mm x 457 mm)

### CABINET

20 gauge powder-coated galvanized steel 1" (25mm) thick. Elastomeric insulation.

### DRAIN

Two powder coated galvanized steel drain pans with 1/2" (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.

### OPTIONAL CONTROLS

**99-BC01 Ventilation Control** - 2 Speed Fan setting (Low/High) - Dehumidistat (3 wire) 20 gauge wire (minimum).

**99-500 3 Speed Control** - 3 Speed Fan setting (Low/Medium/High) - (4 wire) 20 gauge wire (minimum).

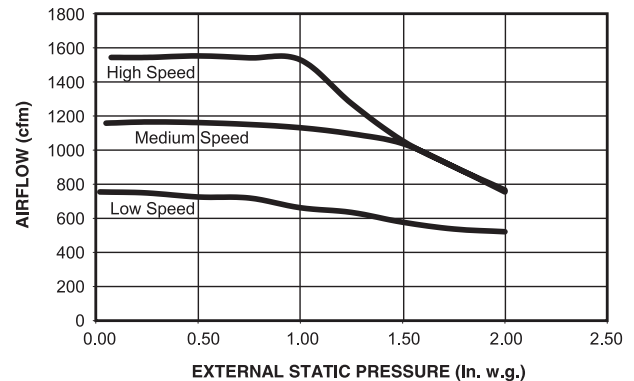
### OPTIONAL TIMERS

**99-DET01 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40 or 60 minutes. (3 wire) 20 gauge wire (minimum).

### OPTIONAL ACCESSORIES

**99-DH01 Remote Wall Dehumidistat** - Initiates high speed ventilation when the indoor humidity level is above the set point. (3 wire) 20 gauge wire (minutes)

## 1500I-ECM



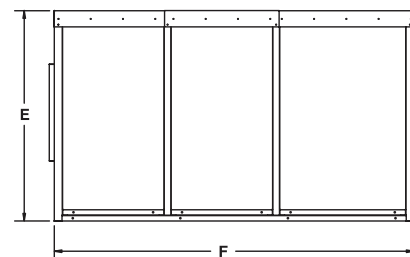
**WEIGHT 460 LBS (210 KG)**

**SHIPPING WEIGHT 580 LBS (260 KG)**

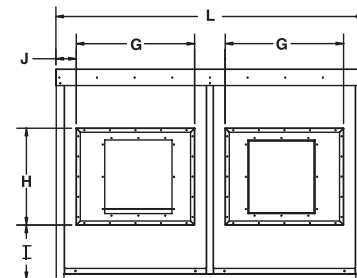
### DIMENSIONS: 1500I-ECM

	A	B	C	D	E	F	G	H	I	J	L
Inches	18	2.5	18	12	37	66.75	18	18	10.25	2.5	44
mm	457	64	457	305	940	1695	457	457	260	64	1118

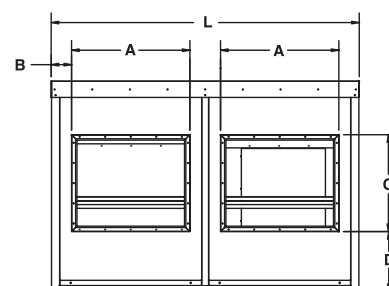
Service Clearance 30"



SIDE VIEW



OUTLET END VIEW



INLET END VIEW

## WARRANTY

Units carry a 15 year warranty on the heat recovery core and a 2 year replacement parts warranty

All units conform to CSA and UL Standards

**ISO  
9001  
REGISTERED**

## ENGINEERING DATA

### AIRFLOW

1500 cfm (705 L/s) at 1.0" wg 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, 240VAC, 9.1 A, MCA: 22.8 MOP: 30 1 ph, 1 hp. (18.2 A total)

### BLOWERS

Two direct drive centrifugal blowers, one per airstream.

### FILTERS

Two - 20" x 16" x 2" (508 mm x 406 mm x 50 mm) pleated filters in each airstream. MERV6 efficiency 60% @ 4.69 microns.

### DUCT CONNECTIONS

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

### CABINET

20 gauge powder coated steel insulated 1" (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 optional roof 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.

### OPTIONAL ACCESSORIES

**99-DH01 Remote Wall Dehumidistat** - Initiates high speed ventilation when the indoor humidity level is above the set point. (3 wire) 20 gauge wire (minimum)

### OPTIONAL CONTROLS

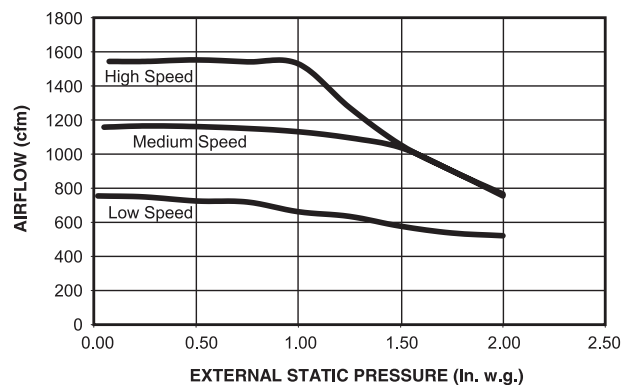
**99-BC01 Ventilation Control** - 2 Speed Fan setting (Low/High) - Dehumidistat (3 wire) 20 gauge wire (minimum).

**99-500 3 Speed Control** - 3 Speed Fan setting (Low/Medium/High) - (4 wire) 20 gauge wire (minimum).

### OPTIONAL TIMERS

**99-DET01 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40 or 60 minutes. (3 wire) 20 gauge wire (minimum).

## 1500E-ECM



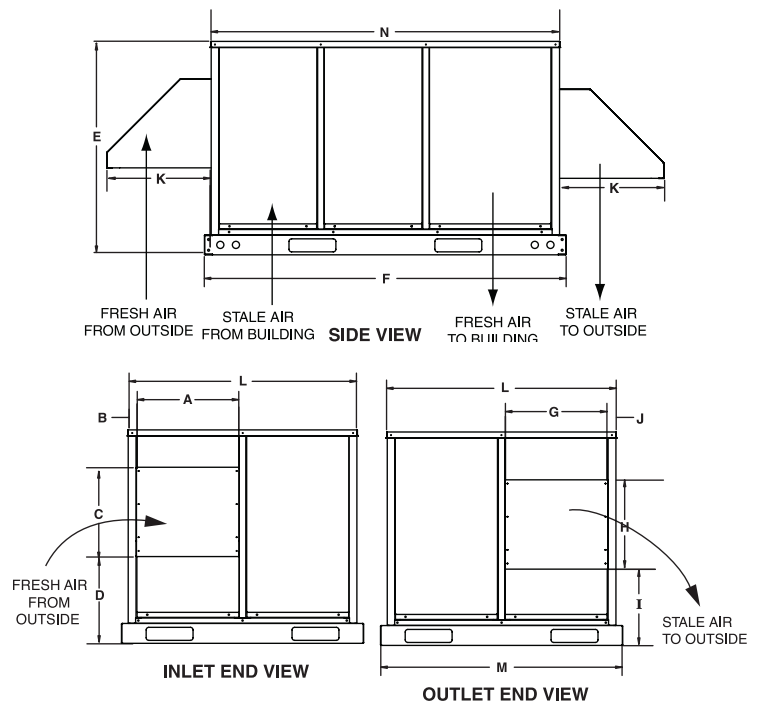
**WEIGHT 530 LBS (240 KG)**

**SHIPPING WEIGHT 650 LBS (290 KG)**

### DIMENSIONS: 1500E-ECM

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
Inches	20	1.5	17	16.5	41	69.5	20	17	14.5	1.5	20	44	46.5	67
mm	508	38	432	419	1041	1765	508	432	368	39	508	1118	1181	1702

Service Clearance 30"



## WARRANTY

Units carry a 15 year warranty on the heat recovery core and a 2 year replacement parts warranty

All units conform to CSA and UL Standards

**ISO  
9001  
REGISTERED**

## ENGINEERING DATA

### AIRFLOW

2000 cfm (940 L/s) at 1.0" wg 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 PSC. 2 hp, 1 ph, single speed, single shaft,  
208/240VAC, 9.0 Amps (18 total).  
Optional 460 V, 570 V, 3 phase

### BLOWERS

Two belt drive centrifugal blowers with adjustable pulleys,  
one per airstream. Airflow can vary with pulley adjustment.

### FILTERS

Two – 16" x 25" x 2" (406mm x 635mm x 50 mm)  
pleated filters in each airstream.

### CONNECTION DUCT SIZES

**2000 IFD:** Four – 18" x 22" (457mm x 558mm).

### CABINET

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

### DEFROST

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

### DRAIN

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

### MOUNTING

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

### CONTROLS & FUNCTION

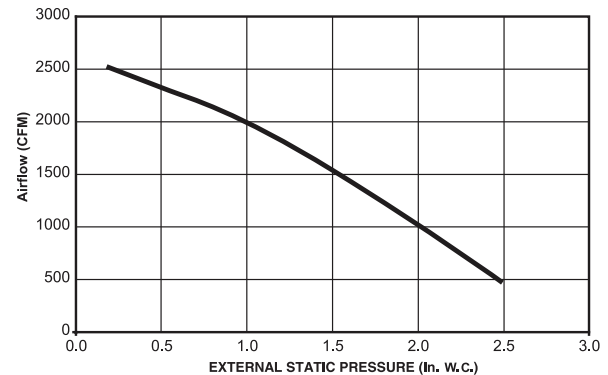
Integrated microprocessor circuit board.

### OPTIONS

- 99-DETO1** Digital Electronic Timer – 20/40/60 min
- 99-BC01** Lifestyle RNC Ventilation Control
- 99-DH01** Remote Wallmount Dehumidistat Control

Also available in 2000 IFD-208, 2000 IFD-460, and 2000 IFD-575

## 2000 IFD



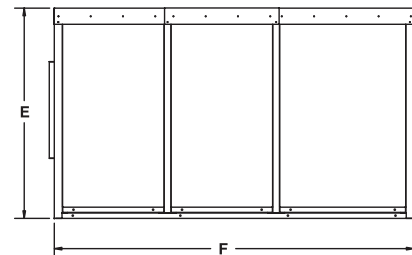
**WEIGHT 740 LBS (330 KG)**

**SHIPPING WEIGHT 870 LBS (390 KG)**

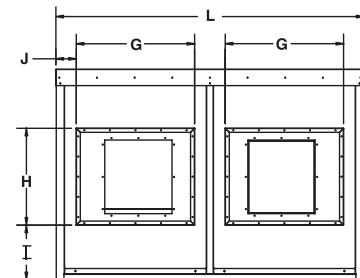
### DIMENSIONS: 2000 IFD

	A	B	C	D	E	F	G	H	I	J	L
Inches	22	3.75	18	11.25	39	66.75	22	18	10.25	3.75	57.25
mm	559	95	457	286	991	1695	559	457	260	95	1454

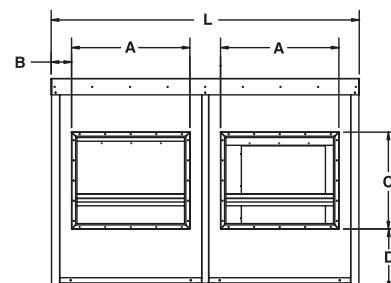
Service Clearance 30"



SIDE VIEW



OUTLET END VIEW



INLET END VIEW

## WARRANTY

Units carry a 15 year warranty on the heat recovery  
core and a 2 year replacement parts warranty

All units conform to CSA and UL Standards

**ISO  
9001  
REGISTERED**



## ENGINEERING DATA

### AIRFLOW

2000 cfm (940 L/s) at 1.0" wg 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 PSC. 2 hp, 1 ph, single speed, single shaft,  
208/240VAC, 9.0 Amps (18 total).  
Optional 460 V, 570 V, 3 phase

### BLOWERS

Two belt drive centrifugal blowers with adjustable pulleys,  
one per airstream. Airflow can vary with pulley adjustment.

### FILTERS

Two – 16" x 25" x 2" (406mm x 635mm x 50 mm)  
pleated filters in each airstream.

### CONNECTION DUCT SIZES

**2000 EFD:** Two 20" x 19" (508mm x 482mm) hoods  
included with washable screens. Two 25" x 16" (635mm x 406mm)  
connections to and from building, under cabinet.

### CABINET

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

### DEFROST

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

### DRAIN

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

### MOUNTING

Optional roof curb. Part No. 53-2007.

### CONTROLS & FUNCTION

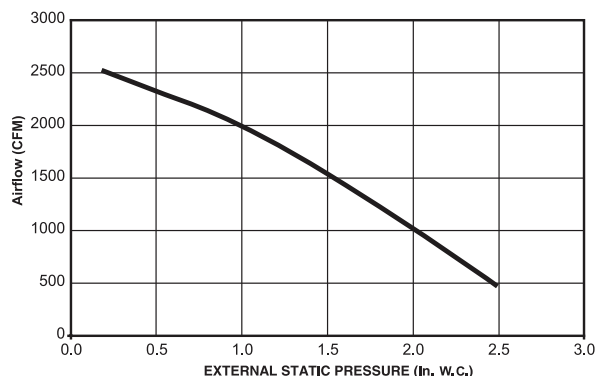
Integrated microprocessor circuit board.

### OPTIONS

- 99-DETO1** Digital Electronic Timer – 20/40/60 min
- 99-BC01** Lifestyle RNC Ventilation Control
- 99-DH01** Remote Wallmount Dehumidistat Control

Also available in 2000 EFD-208, 2000 EFD-460, and 2000 EFD-575

## 2000 EFD

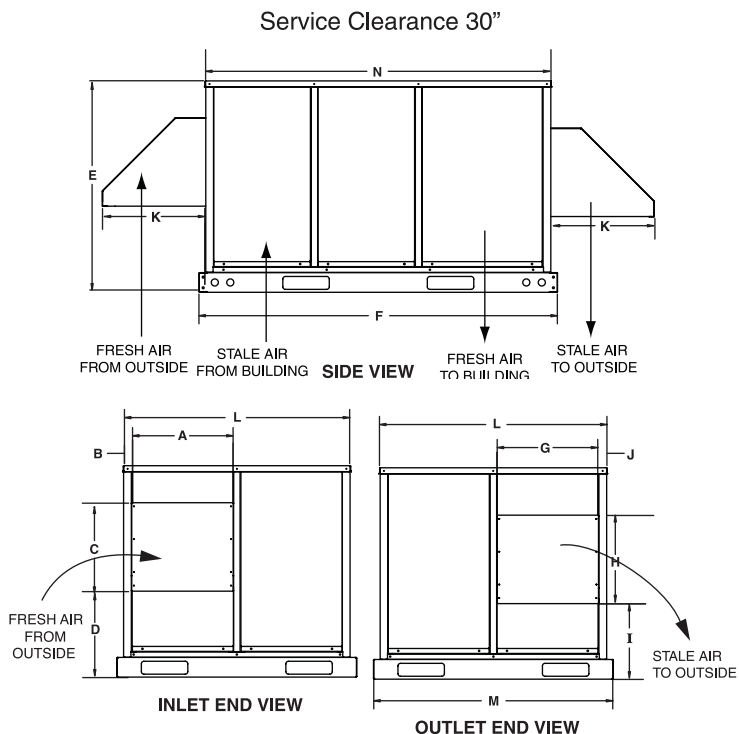


**WEIGHT 770 LBS (350 KG)**

**SHIPPING WEIGHT 910 LBS (410 KG)**

### DIMENSIONS: 2000 EFD

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
Inches	24	3	19	14.75	43	69.5	24	19	13.75	3	20	57.25	59.75	66.75
mm	610	76	483	375	1092	1765	610	483	349	76	508	1454	1518	1696



## WARRANTY

Units carry a 15 year warranty on the heat recovery  
core and a 2 year replacement parts warranty

All units conform to CSA and UL Standards

**ISO  
9001  
REGISTERED**

## ENGINEERING DATA

### AIRFLOW

2500 cfm (1175 L/s) at 1.0" wg ESP.

### PERFORMANCE

70% effective at 2500 cfm (1172 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, 208/240 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" x 24" (457mm x 610mm) 4-inch pleated filters in each air stream.

### CONNECTION DUCT SIZES

Four – 24" x 16" (610mm x 406mm).

### CABINET

20 gauge powder-coated galvanized steel exterior for superior corrosion resistance. 16 gauge galvanized frame, insulated with 1" fiberglass insulation to prevent condensation.

### DEFROST

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

### DRAIN

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

### MOUNTING

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

### CONTROLS & FUNCTION

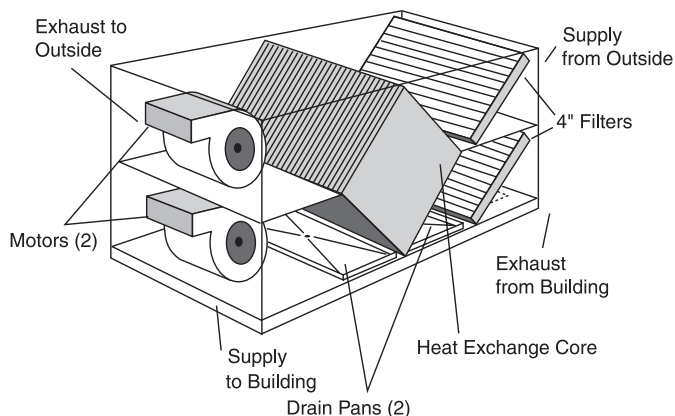
Integrated microprocessor circuit board, optional remote 2 speed control, built in interlock contacts.

### OPTIONS

- 99-DETO1** Digital Electronic Timer – 20/40/60 min
- 99-BC01** Lifestyle RNC Ventilation Control
- 99-DH01** Remote Wallmount Dehumidistat Control
- 99-500** 3 Speed Control

Also available in 2500IFD-208

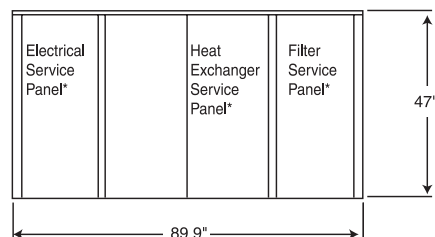
## 2500 IFD



**WEIGHT: 680LBS (309KG)**

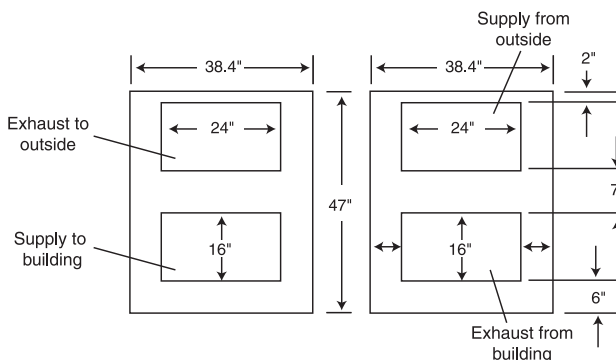
**SHIPPING: 900LBS (409 KG)**

**DIMENSIONS: INCHES**



**SIDE VIEW**

**\*NOTE:** Removable service access panels on both sides of 2500IFD cabinet.



**FRONT VIEW**

**BACK VIEW**

Service clearance - 42" on electrical panel side

## WARRANTY

Units carry a 15 year warranty on the heat recovery core and a 2 year replacement parts warranty

All units conform to CSA and UL Standards



## ENGINEERING DATA

### AIRFLOW

2500 cfm (1175 L/s) at 1.0" wg ESP.

### PERFORMANCE

70% effective at 2500 cfm (1172 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, 208/240 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" x 24" (457mm x 610mm) 4-inch pleated filters in each air stream.

### CONNECTION DUCT SIZES

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

### CABINET

20 gauge powder-coated galvanized steel exterior for superior corrosion resistance. 16 gauge galvanized frame, insulated with 1" fiberglass insulation to prevent condensation.

### DEFROST

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

### DRAIN

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

### MOUNTING

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

### CONTROLS & FUNCTION

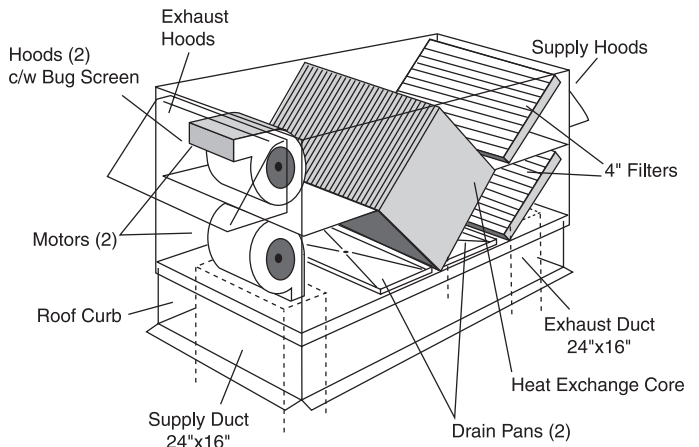
Integrated microprocessor circuit board, optional remote 2 speed control, built in interlock contacts.

### OPTIONS

- 99-DETO1** Digital Electronic Timer - 20/40/60 min
- 99-BC01** Lifestyle RNC Ventilation Control
- 99-DH01** Remote Wallmount Dehumidistat Control
- 99-500** 3 Speed Control

Also available in 2500EFD-208

## 2500 EFD

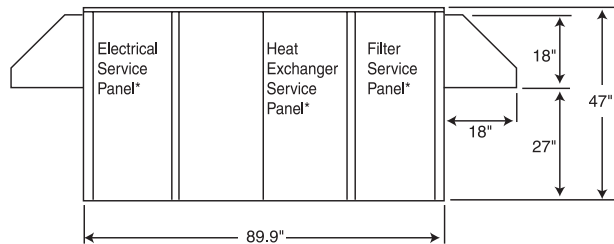


**WEIGHT: 710 LBS (322 KG)**

**SHIPPING: 930LBS(422 KG)**

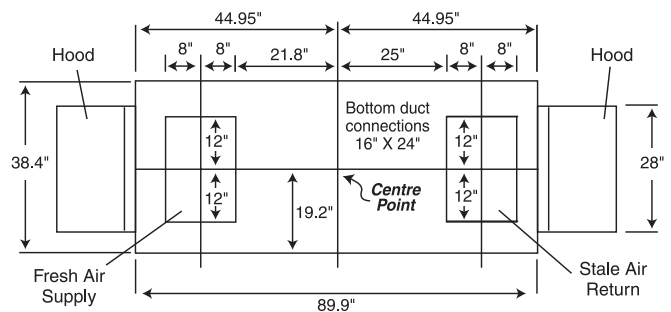
**DIMENSIONS: INCHES**

**\*NOTE:** Roof curb is one inch smaller than outside dimensions of cabinet.



**SIDE VIEW**

**\*NOTE:** Removable service access panels on both sides of 2500EFD cabinet.



**BOTTOM VIEW**

Service clearance - 42" on electrical panel side

## WARRANTY

Units carry a 15 year warranty on the heat recovery core and a 2 year replacement parts warranty

All units conform to CSA and UL Standards

**ISO  
9001  
REGISTERED**

## The Most Flexible Air Cleaner

Improve the Indoor  
Air Quality of your  
home or business



The Lifebreath Turbulent Flow Precipitator (TFP) Air Cleaner offers particle-removing performance similar to the most sophisticated systems used in hospitals, laboratories and industry. It will purify the air in an average-size house at least 10 times every day.

- Mount to the furnace return
- Mount between the HRV and the furnace
- Hang from a joist and duct to the furnace
- Easy to remove for cleaning and replacement

## ENGINEERING DATA

### MOTOR AND BLOWER

2 speed, high efficiency PSC Motor - 150 cfm/75 cfm.  
110 watts - 120 VAC - standard three prong plug to receptacle. The TFP is equipped with a standard power cord 5'5" (1.6 meters) long.

### OFF/LOW/HIGH SPEED SELECTOR SWITCH

Select 75 cfm (Low) or 150 cfm (High).

### AIRFLOW

150cfm @ .4" WC (High Speed)  
75 cfm @ .4" WC (Low Speed)

### COLLECTORS

One replaceable TFP collector and one replaceable HEPA filter

- Easy to remove for cleaning and replacement
- Annual inspection recommended

### CASE

Twenty gauge prepainted galvanized steel for superior corrosion resistance

### ELECTRICAL CODES

Conforms to CSA and UL standards

### MOUNTING THE WHOLE HOME TFP - VERY FLEXIBLE

- Mount to the furnace return
- Mount between the HRV and the furnace
- Hang from a joist and duct to the furnace

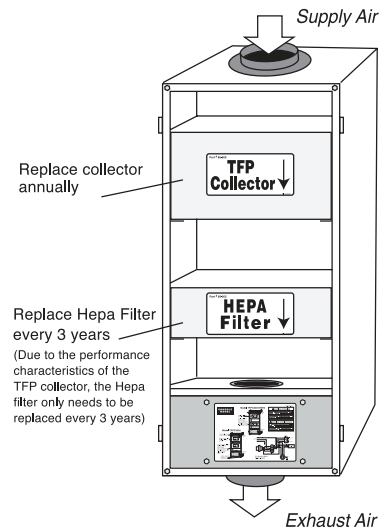
### REPLACEMENT OPTIONS

65-503R - One replacement TFP collector  
65-502R - One replacement HEPA filter

### OPTIONAL INSTALLATION KIT PART # 99-TFP

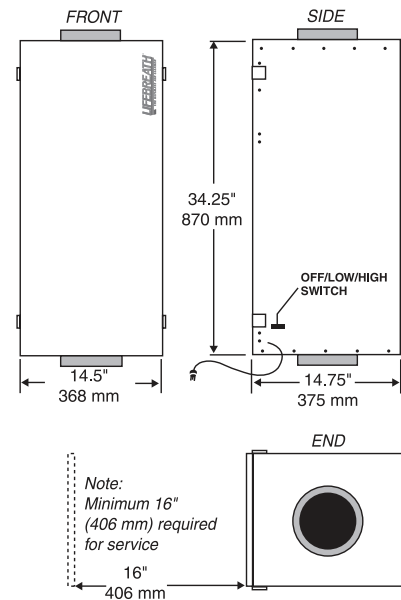
Includes - two 7" duct connection collars  
- 12.5' of 7" non insulated flex duct  
- four Nylon Duct Zip Ties

## TFP 3000 HEPA



**WEIGHT: 55LBS. (24.4KG)**

**DIMENSIONS: INCHES (MM)**



All duct connections are 7" (178 mm)

## WARRANTY

Five year warranty on all replacement parts except the collectors/filters.

All units conform to CSA and UL Standards

**ISO  
9001  
REGISTERED**

## TFP3000 HEPA

Particle Size (microns)	Percentage Caught
> 0.3	99.97%



# CLEAN AIR FURNACE

HYDRONIC SERIES

## A Fresh Heating Concept

Breathe new life  
into your home!



The patented Lifebreath Clean Air Furnace (hydronic model) combines the fresh air benefits of the Heat Recovery Ventilator (HRV) with the comfort and efficiency of the water heater and air handler. This combination heating system provides constant ventilation and a steady stream of warm air for the healthiest, most comfortable home environment possible. This occurs with a system efficiency of up to 90%.

- Warm, stale air from the home is returned to the Lifebreath Clean Air Furnace.
- Outdoor air travels through the fresh air intake and is brought into the aluminum heat recovery core.
- The fresh and stale air pass through opposite sides of the HRV's aluminum heat exchange core.
- Heat from the stale air is transferred to the fresh air.
- Stale indoor air is exhausted outside.

## 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  
**D** - Downflow - Return air off Left side, Right side or Top  
 (not available for L2A or 00 Coils)  
**H** - Horizontal - Return on Left side only  
 (not available for L2A or 00 Coils)

### Available Clean Air Furnace Models

CAF-U-S4A-24-P16(E16)  
 CAF-D-S4A-24-P16(E16)  
 CAF-H-S4A-24-P16(E16)  
 CAF-U-L4A-36-P16(E16)  
 CAF-D-L4A-36-P16(E16)  
 CAF-H-L4A-36-P16(E16)  
 CAF-U-L2A-48-P16(E16)  
 CAF-U-00-24-P16(E16)  
 CAF-U-00-36-P16(E16)  
 CAF-U-00-48-P16(E16)

**ISO  
9001  
REGISTERED**

### 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  
**00** - No Hydronics - No Heating Coil, No Pump  
*(available in upflow only)*

### \* CFM (High Speed) Cooling Capacity

**24** - 2 tons  
**30** - 2.5 tons  
**36** - 3.0 tons  
**48** - 4.0 tons  
 \*Cooling coils not available from Airia

### ATTENTION



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

### WARRANTY

Units carry a lifetime warranty on the  
 heat recovery (aluminum) core, a five year warranty  
 on the energy recovery (enthalpic) core and a five year  
 replacement parts warranty on all other components.

All units conform to CSA and UL Standards

### Motor Configuration

**P16** - Standard PSC Motor 120V/60Hz  
**E16** - Upgrade ECM Motor 120V/60Hz

## COIL OUTPUT (1000'S OF BTUH)

CAF-D-S4A-24-P16 / CAF-H-S4A-24-P16 / CAF-U-S4A-24-P16

CFM @ .5" WG	890	40.7	47.7	54.8	61.9	69.0	76.2	43.8	51.3	58.9	66.5	74.1	81.7	45.7	53.6	61.4	69.3	77.2	85.1
	790	38.0	44.5	51.0	57.6	64.3	70.9	40.5	47.4	54.4	61.3	68.3	75.4	42.0	49.2	56.4	63.6	70.8	78.0
	740	36.5	42.7	49.0	55.3	61.7	68.0	38.7	45.3	51.9	58.6	65.3	72.0	40.0	46.8	53.7	60.5	67.4	74.3
	660	33.8	39.6	45.5	51.3	57.2	63.0	35.6	41.7	47.8	53.9	60.0	66.2	36.7	42.9	49.2	55.4	61.7	68.0
CFM @ .25" WG	1030	44.0	51.7	59.3	67.0	74.8	82.5	48.0	56.2	64.5	72.8	81.2	89.6	50.5	59.1	67.8	76.5	85.3	94.1
	900	41.0	48.0	55.1	62.3	69.4	76.6	44.1	51.7	59.3	66.9	74.6	82.3	46.1	54.0	61.9	69.8	77.8	85.8
	825	38.9	46.7	52.4	59.2	66.0	72.8	41.7	48.8	56.0	63.2	70.4	77.6	43.5	50.9	58.3	65.8	73.3	80.8
	740	36.5	42.7	49.0	55.3	61.7	68.0	38.7	45.5	51.9	58.6	65.3	72.0	40.0	46.9	53.7	60.5	67.4	74.3
Water Temp.		130	140	150	160	170	180	130	140	150	160	170	180	130	140	150	160	170	180
3 GPM								4 GPM						5 GPM					

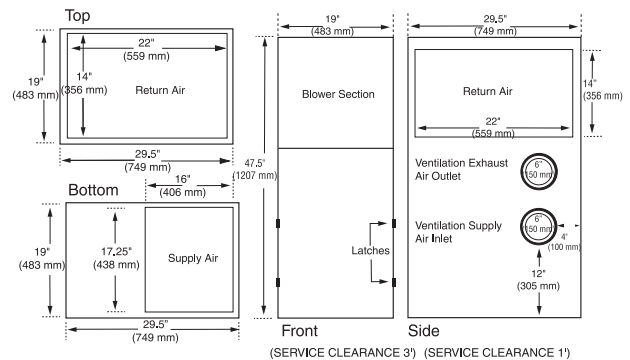
## TECHNICAL SPECIFICATIONS

CAF-D-S4A-24-P16 / CAF-H-S4A-24-P16 / CAF-U-S4A-24-P16

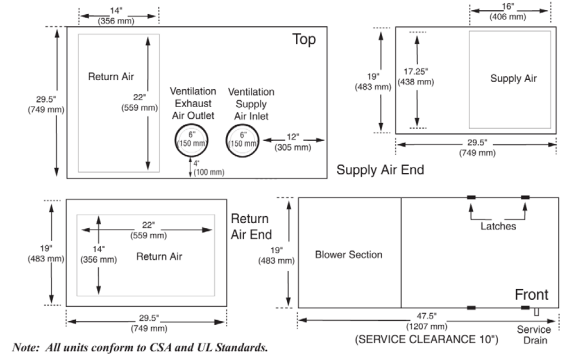
Voltage	120 VAC 60 Hz
Hp	1/3
Amps (total)	8
Water Connections	1/2" (12 mm) Copper Soldered Connection
Airflow (High)	1030 CFM
.25 in. wg	890 CFM
.5 in. wg	
Ventilation Airflow	100 - 140 CFM
Effectiveness (Aluminum Core)	70%
Net Weight	150 lbs.
Shipping Weight	165 lbs.

## DIMENSIONS

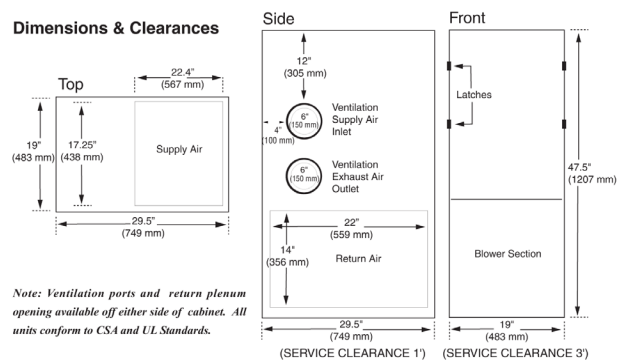
CAF-D-S4A-24-P16



CAF-H-S4A-24-P16



CAF-U-S4A-24-P16



## ENGINEERING DATA

### CORE

Ventilation system has patented aluminum heat recovery core (standard) or an enthalpic energy recovery core (optional) for energy-efficient ventilation. Enthalpic cores are recommended for regions where temperature does not drop below 25F (-4C).

### FILTERS

Washable air filters in exhaust and supply air streams of ventilation section. 1" (25mm) pleated in return plenum side.

### CASE

Pre-painted galvanized steel for superior corrosion resistance.

### OPTIONS

- 99-186** Weatherhoods, Two - 6" (150mm) c/w 1/4" (6mm) mesh screen
- 99-DH01** Remote wall mount dehumidistat control
- 99-RSK6** 6" (150mm) Backdraft damper
- 99-DET01** Digital Electronic Timer

## COIL OUTPUT (1000'S OF BTUH)

CAF-D-L4A-36-P16 / CAF-H-L4A-36-P16 / CAF-U-L4A-36-P16 / CAF-U-00-36-P16

CFM @ 5" WG	1180	51.4	60.2	69.0	77.9	86.8	95.8	56.3	65.9	75.6	85.3	95.0	104.8	59.4	69.5	79.7	89.9	100.1	110.3
		50.0	58.7	67.2	75.9	84.5	93.2	54.5	63.9	73.2	82.6	92.0	101.5	57.4	67.1	76.9	86.8	96.6	106.5
CFM @ 2.5" WG	890	43.9	51.4	60.0	66.5	74.1	81.7	46.9	54.9	62.9	70.9	79.0	87.1	48.7	56.9	65.3	73.5	81.8	90.2
		36.6	42.8	49.0	55.3	61.5	67.8	38.2	44.7	51.2	57.7	64.2	70.7	37.3	43.7	50.0	56.4	62.8	69.2
Water Temp.	1350	54.7	64.2	73.6	83.1	92.6	102.1	60.8	71.2	81.7	92.2	102.7	113.3	64.7	75.8	86.8	98.0	109.2	120.4
		53.3	62.5	71.7	80.9	90.2	99.5	58.9	69.0	79.1	89.3	99.5	109.7	62.4	73.1	83.8	94.5	105.3	116.5
Water Temp.	1275	45.4	53.2	60.9	68.8	76.6	84.5	48.7	57.0	65.3	73.7	82.1	90.4	50.7	59.3	67.9	76.6	85.3	94.0
		38.6	45.2	51.8	58.4	65.0	71.7	40.6	47.5	54.4	61.3	68.3	75.2	41.8	48.8	55.9	63.0	70.1	77.2
Water Temp.	940	130	140	150	160	170	180	130	140	150	160	170	180	130	140	150	160	170	180
		130	140	150	160	170	180	130	140	150	160	170	180	130	140	150	160	170	180

3 GPM

4 GPM

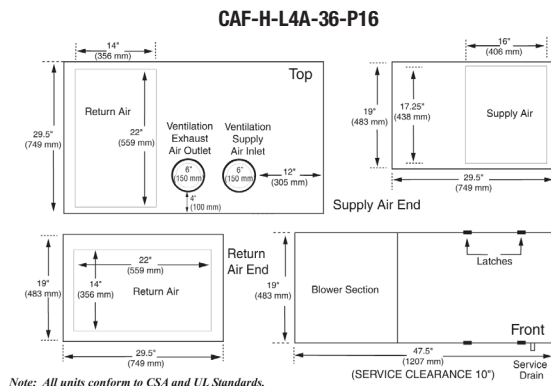
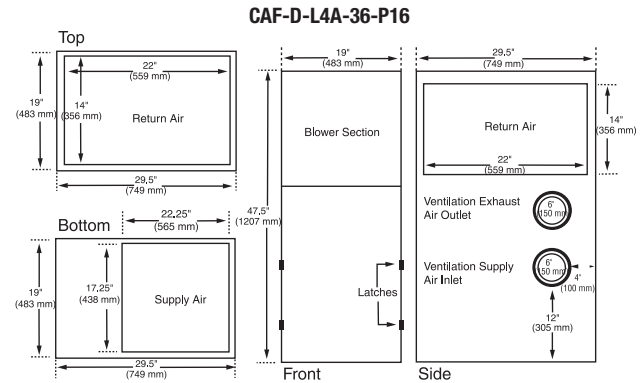
5 GPM

## TECHNICAL SPECIFICATIONS

CAF-D-L4A-36-P16 / CAF-H-L4A-36-P16  
CAF-U-L4A-36-P16 / CAF-U-00-36-P16

Model	CAF-D-L4A-36-P16
Voltage	120 VAC 60 Hz
Hp	1/2
Amps (total)	10.6
Water Connections	3/4" (19 mm) Copper Soldered Connection
Airflow (High)	1350 CFM
.25 in wg	1180 CFM
.5 in wg	
Ventilation Airflow	100 - 140 CFM
Effectiveness (Aluminum Core)	70%
Net Weight	150 lbs.
Shipping Weight	165 lbs.

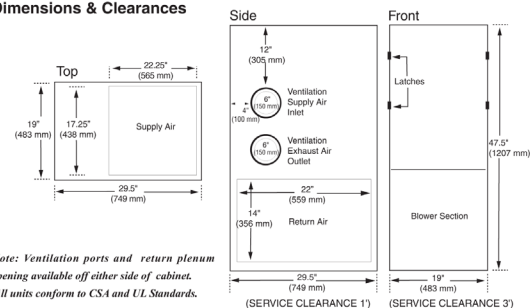
## DIMENSIONS



Note: All units conform to CSA and UL Standards.

**CAF-U-L4A-36-P16 / CAF-U-00-36-P16**

### Dimensions & Clearances



## ENGINEERING DATA

### CORE

Ventilation system has patented aluminum heat recovery core (standard) or an enthalpic energy recovery core (optional) for energy-efficient ventilation. Enthalpic cores are recommended for regions where temperature does not drop below 25F (-4C).

### FILTERS

Washable air filters in exhaust and supply air streams of ventilation section. 1" (25mm) pleated in return plenum side.

### CASE

Pre-painted galvanized steel for superior corrosion resistance.

### OPTIONS

- 99-186** Weatherhoods, Two - 6" (150mm) c/w 1/4" (6mm) mesh screen
- 99-DH01** Remote wall mount dehumidistat control
- 99-RSK6** 6" (150mm) Backdraft damper
- 99-DET01** Digital Electronic Timer

## COIL OUTPUT (1000'S OF BTUH)

CAF-U-L2A-48-P16 / CAF-U-00-48-P16

CFM @ 5" WG	1589	1469	1033	690	1888	1658	1134	806	Water Temp.											
	32.9	38.5	44.2	49.8	55.4	61.1	35.2	41.2	47.2	53.2	59.2	65.3	36.7	43.0	49.2	55.4	61.7	68.0		
CFM @ 25" WG	32.8	37.8	43.3	48.9	54.4	60.0	34.5	40.4	46.2	52.1	58.0	63.9	36.0	42.0	48.1	54.3	60.4	66.5		
	30.2	35.3	40.4	45.6	50.8	55.9	32.0	37.5	42.9	48.4	53.8	59.3	33.3	38.9	44.5	50.2	55.8	61.5		
CFM @ 25" WG	24.7	28.9	33.1	37.3	41.5	45.7	25.9	30.2	34.6	39.0	43.4	47.8	26.6	31.1	35.6	40.1	44.6	49.1		
	35.1	41.0	47.0	53.1	59.1	65.1	37.7	44.1	50.6	57.0	63.5	70.0	39.5	46.2	52.9	59.7	66.4	73.2		
CFM @ 25" WG	34.6	40.4	46.4	52.3	58.2	64.2	37.1	43.4	49.8	56.1	62.5	68.9	38.8	45.4	52.0	58.7	65.3	71.9		
	31.2	36.5	41.8	47.1	52.4	57.8	33.2	38.8	44.4	50.1	55.8	61.4	34.5	40.3	46.2	52.0	57.9	63.8		
CFM @ 25" WG	25.5	29.5	33.8	38.1	42.4	46.7	26.4	30.9	35.4	39.9	44.4	48.9	27.2	31.8	36.4	41.0	45.6	50.2		
	130	140	150	160	170	180	130	140	150	160	170	180	130	140	150	160	170	180		
3 GPM						4 GPM						5 GPM								

## TECHNICAL SPECIFICATIONS

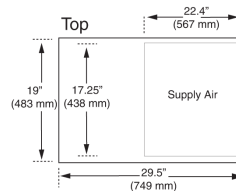
CAF-U-L2A-48-P16 / CAF-U-00-48-P16

Model	CAF-U-L2A-48-P16
Voltage	120 VAC 60 Hz
Hp	1/2
Amps (total)	10.6
Water Connections	1/2" (12 mm) Copper Soldered Connection
Airflow (High) .25 in wg .5 in. wg	1588 CFM 1388 CFM
Ventilation Airflow	100 - 140 CFM
Effectiveness (Aluminum Core)	70%
Net Weight	150 lbs.
Shipping Weight	165 lbs.

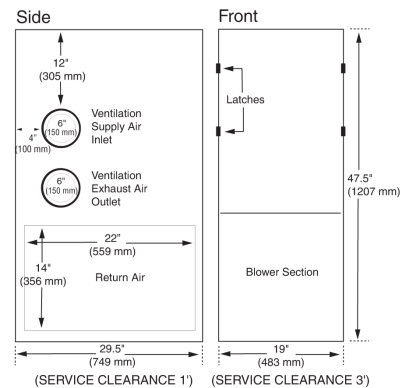
## DIMENSIONS

CAF-U-L2A-48-P16 / CAF-U-00-48-P16

### Dimensions & Clearances



Note: Ventilation ports and return plenum opening available off either side of cabinet. All units conform to CSA and UL Standards.



## ENGINEERING DATA

### CORE

Ventilation system has patented aluminum heat recovery core (standard) or an enthalpic energy recovery core (optional) for energy-efficient ventilation. Enthalpic cores are recommended for regions where temperature does not drop below 25F (-4C).

### FILTERS

Washable air filters in exhaust and supply air streams of ventilation section. 1" (25mm) pleated in return plenum side.

### CASE

Pre-painted galvanized steel for superior corrosion resistance.

### OPTIONS

- 99-186** Weatherhoods, Two - 6" (150mm) c/w 1/4" (6mm) mesh screen
- 99-DH01** Remote wall mount dehumidistat control
- 99-RSK6** 6" (150mm) Backdraft damper
- 99-DET01** Digital Electronic Timer





## MODEL NUMBER NOMENCLATURE BREAKDOWN

### Example Model Number

**AH - U - S2A - 24 - P16**

#### Model Configuration

**AH** - Air Handler (No HRV)  
Refer to CAF (Clean Air Furnace) specifications  
if a built-in HRV is required

#### Configuration

**U** - Upflow - Return Air off Left or Right side  
**D** - Downflow models are unavailable for Air Handlers  
**H** - Horizontal models are unavailable for Air Handlers

#### Hydronic Coil Size

**S2A** - Small Coil - 2 Row Coil  
**S4A** - Small Coil - 4 Row Coil  
**L2A** - Large Coil - 2 Row Coil  
**L4A** - Large Coil - 4 Row Coil  
**L2B** - Large Coil - 2 Row Coil

#### Available Air Handler Models

AH-U-S2A-30-P16(E16)  
AH-U-S4A-24-P16(E16)  
AH-U-L2A-48-P16(E16)  
AH-U-L4A-36-P16(E16)  
AH-U-L2B-48-P16(E16)

**ISO  
9001  
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#### \* CFM (High Speed) Cooling Capacity

**24** - 2 tons  
**30** - 2.5 tons  
**36** - 3.0 tons  
**48** - 4.0 tons

\*Cooling coils not available from Airia

#### ATTENTION



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

#### WARRANTY

Units carry a five year replacement parts warranty  
on all components.

#### Motor Configuration

**P16** - Standard PSC Motor 120V/60Hz  
**E16** - Upgrade ECM Motor 120V/60Hz

## MODELS

AH-U-S4A-24-P16

AH-U-S2A-30-P16

MODEL AH-U-S4A-24-P16	
Voltage	120 VAC 60 Hz
Hp	1/3
Amps (total)	8
Water Connections	1/2" (13 mm) Copper Soldered Connection
Airflow (High) .25 in wg .5 in. wg	1030 CFM 890 CFM
Net Weight	111 lbs. (50.3 kg)
Shipping Weight	130 lbs. (59 kg)

MODEL AH-U-S2A-30-P16	
Voltage	120 VAC 60 Hz
Hp	1/3
Amps (total)	8
Water Connections	1/2" (13 mm) Copper Soldered Connection
Airflow (High) .25 in wg .5 in. wg	1280 CFM 1075 CFM
Net Weight	111 lbs. (54.9 kg)
Shipping Weight	130 lbs. (59 kg)

## MODELS

AH-U-L4A-36-P16

AH-U-L2A-36-P16

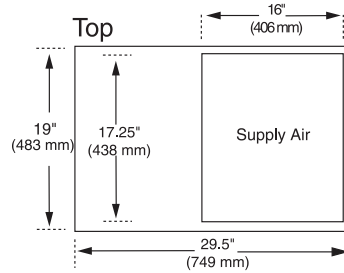
AH-U-L2B-48-P16

MODEL AH-U-L4A-36-P16	
Voltage	120 VAC 60 Hz
Hp	1/2
Amps (total)	10.6
Water Connections	3/4" (19 mm) Copper Soldered Connection
Airflow (High) .25 in wg .5 in. wg	1350 CFM 1180 CFM
Net Weight	121 lbs. (54.9 kg)
Shipping Weight	140 lbs. (63.6 kg)

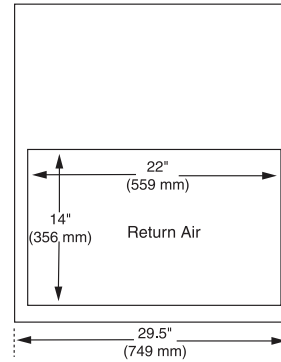
## LINE DRAWING

AH-U-S4A-24-P16

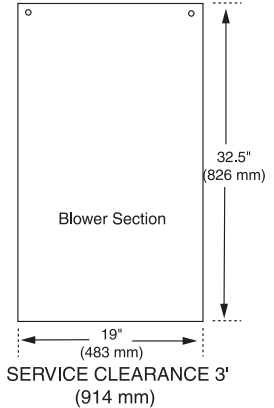
AH-U-A2A-24-P16



Side



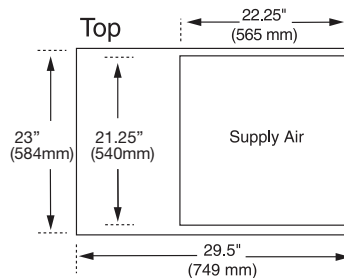
Front



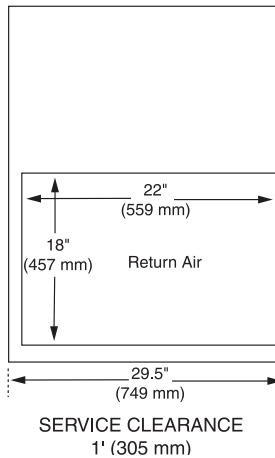
## LINE DRAWING

AH-U-L4A-36-P16

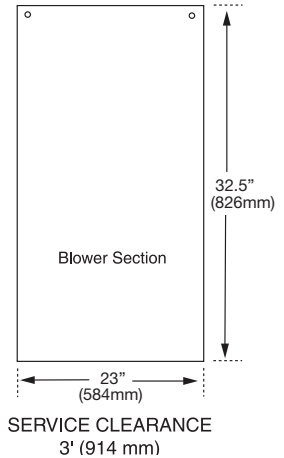
AH-U-L2A-36-P16



Side



Front



MODEL AH-U-L2A-36-P16	
Voltage	120 VAC 60 Hz
Hp	1/2
Amps (total)	10.6
Water Connections	1/2" (13 mm) Copper Soldered Connection
Airflow (High) .25 in wg .5 in. wg	1402 CFM 1220 CFM
Net Weight	121 lbs. (50.3 kg)
Shipping Weight	140 lbs. (59 kg)

MODEL AH-U-L2B-48-P16	
Voltage	120 VAC 60 Hz
Hp	3/4
Amps (total)	12.2
Water Connections	1/2" (13 mm) Copper Soldered Connection
Airflow (High) .25 in wg .5 in. wg	1967 CFM 1639 CFM
Net Weight	135 lbs. (61.2 kg)
Shipping Weight	155 lbs. (70.3 kg)

## WARRANTY

Units carry a five year replacement parts warranty on all components.

## NOTE

All units have an upflow configuration

## COIL OUTPUT (1000'S OF BTUH)

AH-U-S4A-24-P16

CFM @ .5" WG	890	40.7	47.7	54.8	61.9	69.0	76.2	43.8	51.3	58.9	66.5	74.1	81.7	45.7	53.6	61.4	69.3	77.2	85.1
	790	38.0	44.5	51.0	57.6	64.3	70.9	40.5	47.4	54.4	61.3	68.3	75.4	42.0	49.2	56.4	63.6	70.8	78.0
	740	36.5	42.7	49.0	55.3	61.7	68.0	38.7	45.3	51.9	58.6	65.3	72.0	40.0	46.8	53.7	60.5	67.4	74.3
	660	33.8	39.6	45.5	51.3	57.2	63.0	35.6	41.7	47.8	53.9	60.0	66.2	36.7	42.9	49.2	55.4	61.7	68.0
CFM @ .25" WG	1030	44.0	51.7	59.3	67.0	74.8	82.5	48.0	56.2	64.5	72.8	81.2	89.6	50.5	59.1	67.8	76.5	85.3	94.1
	900	41.0	48.0	55.1	62.3	69.4	76.6	44.1	51.7	59.3	66.9	74.6	82.3	46.1	54.0	61.9	69.8	77.8	85.8
	825	38.9	46.7	52.4	59.2	66.0	72.8	41.7	48.8	56.0	63.2	70.4	77.6	43.5	50.9	58.3	65.8	73.3	80.8
	740	36.5	42.7	49.0	55.3	61.7	68.0	38.7	45.5	51.9	58.6	65.3	72.0	40.0	46.9	53.7	60.5	67.4	74.3
Water Temp.		130	140	150	160	170	180	130	140	150	160	170	180	130	140	150	160	170	180
3 GPM							4 GPM							5 GPM					

## COIL OUTPUT (1000'S OF BTUH)

AH-U-S2A-30-P16

CFM @ .5" WG	1075	27.5	32.3	37.0	41.6	46.6	51.1	29.0	34.1	39.1	44.2	49.3	54.2	30.5	35.4	40.8	45.9	51.1	56.5
	1040	27.3	31.9	36.4	41.0	45.8	50.4	28.7	33.6	38.4	43.4	48.5	53.3	29.8	35.0	40.1	45.1	50.2	55.2
	975	26.3	30.8	35.3	39.8	44.1	48.8	27.7	32.8	37.3	42.0	46.9	51.6	28.8	33.8	38.4	43.5	48.3	53.3
	880	25.0	29.2	33.5	38.0	42.2	46.5	26.4	31.0	35.4	39.9	44.5	49.1	27.4	32.0	36.6	41.3	45.9	50.5
CFM @ .25" WG	1280	29.8	35.0	40.0	45.1	50.3	55.8	31.8	37.3	42.8	48.3	53.9	59.4	33.4	38.9	44.8	50.6	56.2	62.2
	1200	28.9	33.9	38.8	43.8	48.9	53.9	30.9	36.1	41.4	46.8	52.1	57.4	32.2	37.7	43.2	48.7	54.2	59.8
	1000	26.5	31.1	35.6	40.2	44.8	49.4	28.2	33.0	37.8	42.6	47.4	52.3	29.2	34.2	39.2	44.2	49.2	54.2
	1020	26.8	31.4	36.2	40.7	45.3	50.0	28.3	33.1	37.9	42.9	47.8	52.8	29.4	34.6	39.6	44.7	49.8	54.9
Water Temp.		130	140	150	160	170	180	130	140	150	160	170	180	130	140	150	160	170	180
3 GPM							4 GPM							5 GPM					

## TECHNICAL SPECIFICATIONS

AH-U-S4A-24-P16

Voltage	120 VAC 60 Hz
Hp	1/3
Amps (total)	8
Water Connections	1/2" (13 mm) Copper Soldered Connection
Airflow (High) .25 in wg .5 in. wg	1030 CFM 890 CFM
Net Weight	111 lbs. (50.3 kg)
Shipping Weight	130 lbs. (59 kg)

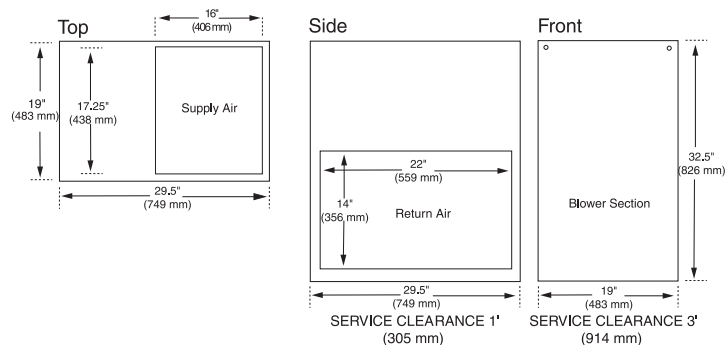
## TECHNICAL SPECIFICATIONS

AH-U-S2A-30-P16

Voltage	120 VAC 60 Hz
Hp	1/3
Amps (total)	8
Water Connections	1/2" (13 mm) Copper Soldered Connection
Airflow (High) .25 in wg .5 in. wg	1280 CFM 1075 CFM
Net Weight	111 lbs. (54.9 kg)
Shipping Weight	130 lbs. (59 kg)

## DIMENSIONS

AH-U-S4A-24-P16 / AH-U-S2A-30-P16



## COIL OUTPUT (1000'S OF BTUH)

### AH-U-L2A-36-P16

CFM @ .5" WG	1220	32.9	38.5	44.2	49.8	55.4	61.1	35.2	41.2	47.2	53.2	59.2	65.3	36.7	43.0	49.2	55.4	61.7	68.0
	1175	32.8	37.8	43.3	48.9	54.4	60.0	34.5	40.4	46.2	52.1	58.0	63.9	36.0	42.0	48.1	54.3	60.4	66.5
	1022	30.2	35.3	40.4	45.6	50.8	55.9	32.0	37.5	42.9	48.4	53.8	59.3	33.3	38.9	44.5	50.2	55.8	61.5
	705	24.7	28.9	33.1	37.3	41.5	45.7	25.9	30.2	34.6	39.0	43.4	47.8	26.6	31.1	35.6	40.1	44.6	49.1
CFM @ .25" WG	1402	35.1	41.0	47.0	53.1	59.1	65.1	37.7	44.1	50.6	57.0	63.5	70.0	39.5	46.2	52.9	59.7	66.4	73.2
	1357	34.6	40.4	46.4	52.3	58.2	64.2	37.1	43.4	49.8	56.1	62.5	68.9	38.8	45.4	52.0	58.7	65.3	71.9
	1090	31.2	36.5	41.8	47.1	52.4	57.8	33.2	38.8	44.4	50.1	55.8	61.4	34.5	40.3	46.2	52.0	57.9	63.8
	731	25.5	29.5	33.8	38.1	42.4	46.7	26.4	30.9	35.4	39.9	44.4	48.9	27.2	31.8	36.4	41.0	45.6	50.2
Water Temp.		130	140	150	160	170	180	130	140	150	160	170	180	130	140	150	160	170	180
3 GPM							4 GPM							5 GPM					

## COIL OUTPUT (1000'S OF BTUH)

### AH-U-L4A-36-P16

CFM @ .5" WG	1180	51.4	60.2	69.0	77.9	86.8	95.8	56.3	65.9	75.6	85.3	95.0	104.8	59.4	69.5	79.7	89.9	100.1	110.3
	1120	50.0	58.7	67.2	75.9	84.5	93.2	54.5	63.9	73.2	82.6	92.0	101.5	57.4	67.1	76.9	86.8	96.6	106.5
	890	43.9	51.4	60.0	66.5	74.1	81.7	46.9	54.9	62.9	70.9	79.0	87.1	48.7	56.9	65.3	73.5	81.8	90.2
	675	36.6	42.8	49.0	55.3	61.5	67.8	38.2	44.7	51.2	57.7	64.2	70.7	37.3	43.7	50.0	56.4	62.8	69.2
CFM @ .25" WG	1350	54.7	64.2	73.6	83.1	92.6	102.1	60.8	71.2	81.7	92.2	102.7	113.3	64.7	75.8	86.8	98.0	109.2	120.4
	1275	53.3	62.5	71.7	80.9	90.2	99.5	58.9	69.0	79.1	89.3	99.5	109.7	62.4	73.1	83.8	94.5	105.3	116.5
	940	45.4	53.2	60.9	68.8	76.6	84.5	48.7	57.0	65.3	73.7	82.1	90.4	50.7	59.3	67.9	76.6	85.3	94.0
	730	38.6	45.2	51.8	58.4	65.0	71.7	40.6	47.5	54.4	61.3	68.3	75.2	41.8	48.8	55.9	63.0	70.1	77.2
Water Temp.		130	140	150	160	170	180	130	140	150	160	170	180	130	140	150	160	170	180
3 GPM							4 GPM							5 GPM					

## TECHNICAL SPECIFICATIONS

### AH-U-L2A-36-P16

Voltage	120 VAC 60 Hz
Hp	1/2
Amps (total)	10.6
Water Connections	1/2" (13 mm) Copper Soldered Connection
Airflow (High) .25 in wg .5 in. wg	1402 CFM 1220 CFM
Net Weight	121 lbs. (50.3 kg)
Shipping Weight	140 lbs. (59 kg)

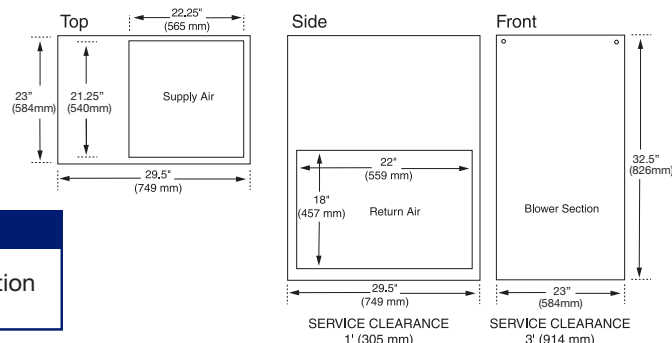
## TECHNICAL SPECIFICATIONS

### AH-U-L4A-36-P16

Voltage	120 VAC 60 Hz
Hp	1/2
Amps (total)	10.6
Water Connections	3/4" (19 mm) Copper Soldered Connection
Airflow (High) .25 in wg .5 in. wg	1350 CFM 1180 CFM
Net Weight	121 lbs. (54.9 kg)
Shipping Weight	140 lbs. (63.6 kg)

## DIMENSIONS

### AH-U-L2A-36-P16 / AH-U-L4A-36-P16



## NOTE

All units have an upflow configuration



## COIL OUTPUT (1000'S OF BTUH)

AH-U-L2B-48-P16

CFM @ 25" WG Water Temp.	1639	37.5	43.9	50.3	56.8	63.3	69.7	40.7	47.6	54.5	61.5	68.5	75.5	42.8	50.0	57.3	64.6	71.9	79.3
	1618	37.3	43.7	50.0	56.5	62.9	69.3	40.4	47.2	54.2	61.1	68.0	75.0	42.5	49.7	56.9	64.2	71.5	78.7
	1575	36.9	43.2	49.5	55.8	62.2	68.6	39.9	46.7	53.5	60.3	67.2	74.0	41.9	49.0	56.1	63.3	70.5	77.7
	1967	40.4	47.3	54.2	61.1	68.1	75.1	44.1	51.6	59.2	66.7	74.3	81.9	46.7	54.6	62.5	70.5	78.5	86.6
	1868	39.6	46.3	53.1	59.9	66.7	73.6	43.1	50.5	55.8	65.2	72.7	80.1	45.5	53.3	61.1	68.8	76.7	84.5
	1728	38.3	44.9	51.4	58.1	64.7	71.3	41.6	48.7	55.9	63.0	70.2	77.3	43.9	51.3	58.8	66.3	73.8	81.4
Water Temp.		130	140	150	160	170	180	130	140	150	160	170	180	130	140	150	160	170	180
		3 GPM						4 GPM						5 GPM					

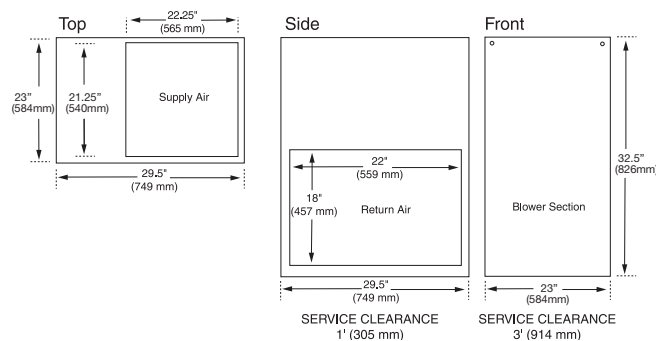
## TECHNICAL SPECIFICATIONS

AH-U-L2B-48-P16

Voltage	120 VAC 60 Hz
Hp	3/4
Amps (total)	12.2
Water Connections	1/2" (13 mm) Copper Soldered Connection
Airflow (High) .25 in wg .5 in. wg	1967 CFM 1639 CFM
Net Weight	135 lbs. (61.2 kg)
Shipping Weight	155 lbs. (70.3 kg)

## DIMENSIONS

AH-U-L2B-48-P16



### NOTE

All units have an upflow configuration

## A Dramatic Advance in Ventilation

With over 30 years of ventilation experience Airia Brands has redefined Inline Fans with the Quantum Series. Our resin fans are rated for both residential and commercial applications including:

- Bathroom Exhaust
- Radon Remediation
- General Ventilation

### ENGINEERED OPTIONS AND ACCESSORIES:

- Packaged Kits
- Timers
- Dehumidistats
- Grills

### NO MORE NOISY BATHROOM FANS

Quantum Series Inline Fans are designed for remote mounting away from inlet grills and room occupants. Engineered with superior air flow capabilities, Quantum Inline Fans are more efficient and effective at moving moist air and odors than conventional bathroom fans.

### QUANTUM VENTILATION SYSTEM (QVS)

The Quantum Ventilation System (QVS) is a complete exhaust system for your home or office. The system is a cost effective alternative to noisy surface mount fans. QVS is capable of multi-point exhaust to ventilate your entire home with easy to use controls and dehumidistat. Your home can now be ventilated using a single, quiet, efficient fan that is upgradable at any time to a heat recovery ventilator (HRV) or energy recovery ventilator (ERV).

### QUANTUM METAL FANS

Quantum Metal Fans are ideal for high airflow applications. The mixed flow impeller combined with a tough epoxy coating makes our 10 and 12 inch fans the most durable and competitive on the market. The space saving design, two-speed motors and quick fit mounting bracket provides the best solution for residential and commercial ventilation needs.

\* Ashrae 62.2 requires mechanical ventilation in all new homes

# Typical Application

## VENTILATION GUIDELINES

For bathrooms up to 100 square feet in area, HVI recommends that an exhaust fan provide 1 CFM per square foot (approximately eight air changes per hour) to properly ventilate the bathroom.

Example:

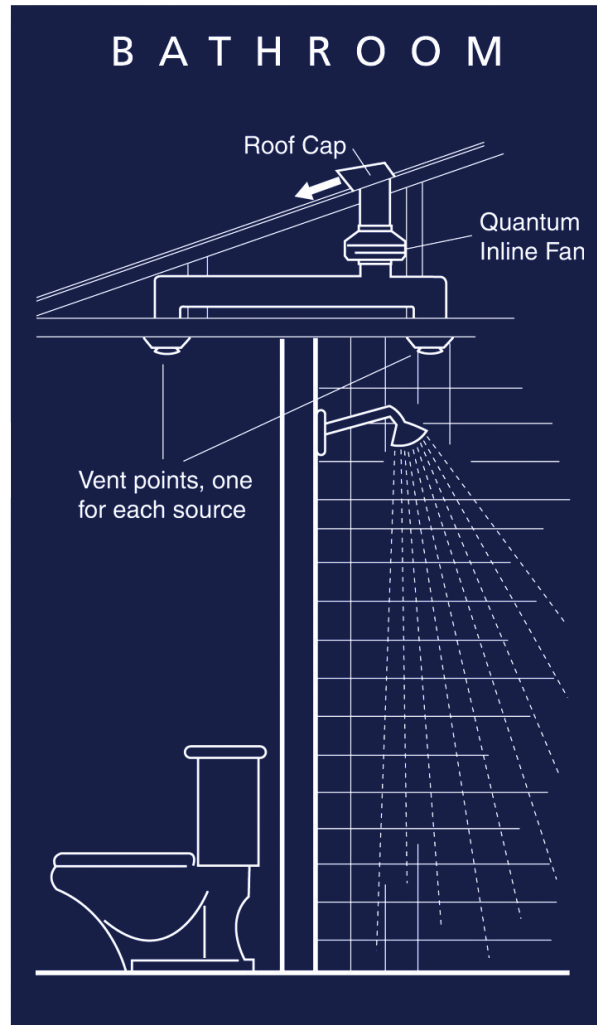
Bathroom is 8' x 11' with 8' ceilings.

Multiply 8 x 11 = 88 sq. ft.

At 1 CFM per sq. ft., the minimum recommendation is a fan rated at 88 CFM.

For bathrooms above 100 square feet in area, HVI recommends a ventilation rate based on the number and type of fixtures present, according to the following table:

Toilet	50 CFM
Shower	50 CFM
Bath Tub	50 CFM
Jetted Tub	100 CFM



Example:

Bathroom contains:

1 Toilet + 1 Shower + 1 Whirlpool tub = 200 CFM

Bathroom contains:

1 Toilet + 1 Shower + 1 tub = 150 CFM

We recommend the use of insulated flex duct. Always check local building codes for requirements in your area.

## Quantum® In-Line Fan Series

All fans are commercial and residential certified; temperature rated -40°F to 140°F, 120 Volt/60Hz





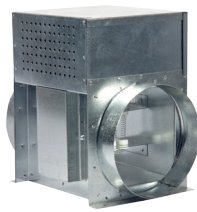
MODEL NUMBER	FEATURES	AIRFLOW CFM (L/s) 0.2 (95 Pa)	PART NUMBER	DESCRIPTION
NBQ-COMBI-4/5/6	<ul style="list-style-type: none"> <li>Field selectable 4", 5" or 6" duct connection collars incl.</li> <li>Multi-position metal bracket included</li> </ul>	180/ 240/ 270 CFM	99-NBQ-COMBI 4/5/6	Combi fan. Plastic 4"/5"/6".
NBQ325-6	<ul style="list-style-type: none"> <li>Multi-position metal bracket included</li> </ul>	350 CFM	99-NBQ325-6	6" Dedicated Plastic
NBQ-700-10	<ul style="list-style-type: none"> <li>10" pre-painted galvanized steel</li> <li>Multi-position metal bracket included</li> </ul>	690 CFM on Hi 350 CFM on Low	99-NBQ-700-10	Mixed flow inline duct exhaust fan
NBQ-950-12	<ul style="list-style-type: none"> <li>10" pre-painted galvanized steel</li> <li>Multi-position metal bracket included</li> </ul>	950 CFM on Hi 600 CFM on Low	99-NBQ-950-12	Mixed flow inline duct exhaust fan

FAN KITS	COMPONENTS	PART NUMBER
QVS KIT	Includes: NBQ-COMBI 4/5/6 fan, E-Box, 99-BC-01 (Ventilation Control), 2 x 99-DET01 (20/40/60 Minute Timers) and fan mounting bracket.	93-QVS KIT
QVS KIT PLUS	Includes: NBQ-COMBI 4/5/6 fan, E-Box, 99-DX-01 (Digital Control), 2 x 99-DET01 (20/40/60 Minute Timers) and fan mounting bracket.	93-QVS KIT PLUS

## BATHROOM EXHAUST KITS







BATH EXHAUST KIT OPTIONS	FEATURES	AIRFLOW CFM (L/s) 0.2 (95 Pa)	PART NUMBER	DESCRIPTION
Bath Exhaust System	<ul style="list-style-type: none"> <li>COMBI 4/5/6 Fan, BES Control Box, Fan Speed Selection</li> </ul>		99-CAF-BESKIT	For use with a Lifebreath Clean Air Furnace.





## VENTILATION ACCESSORIES

	FEATURES	PART NUMBER	DESCRIPTION
 <b>Dual Hood</b>	<ul style="list-style-type: none"> <li>Requires only one 6" opening for intake/exhaust</li> <li>Robust design, with damage-resistant metal construction for exterior wall connection</li> <li>Durable rigid plastic for duct connections</li> </ul>	99-190	<p>A breakthrough design. Requires only one 6" opening for intake/exhaust connections.</p> <p>Ideal for space constrained HRV or ERV applications</p> <p>Limited to approximate 100CFM. *confirm acceptance by local code authorities</p>
 <b>Weatherhood Kits</b>	<ul style="list-style-type: none"> <li>High density polyethylene for long life even in severe climates</li> <li>Screens include to block entry by small animals, large insects</li> <li>No moving parts, eliminates freezing or sticking potential</li> </ul>	99-185 99-185LT 99-186 99-187 99-186-LT	<p>Ideal for HRV, ERV and Inline apps.</p> <p>Two 5" diameter hoods, 12" wall sleeve, duct collar, white plastic</p> <p>As above - 6" option As above - 7" option</p> <p>Two 6" diameter hoods without sleeve or collar</p>
 <b>Flow-Thru Humidifier</b>	<ul style="list-style-type: none"> <li>Suits any forced warm air heating system</li> <li>Unique electronically pulsed; reduces water consumption by up to 80%</li> <li>Left/right side flexible duct installation; mounts on supply or return duct</li> </ul>	99-Flothru	Electronic controller pulses solenoid water supply valve for 4 sec ON and 30 sec OFF, allowing evaporator pad to be fully saturated while drastically limiting water waste.
 <b>Bathroom Exhaust System (BES)</b>	<ul style="list-style-type: none"> <li>Exhausts multiple areas quietly and economically, while providing heat recovery thru the CAF.</li> <li>Includes: BES Control box, 4/5/6 Combi Fan, Fan speed selection.</li> </ul>	99-CAF-BESKIT	Perfect way to ventilate specific locations with a Clean Air Furnace.
 <b>In-Line Duct Heater</b>	<ul style="list-style-type: none"> <li>Equipped with highly advanced Electronic Modulating Controller (SCR) and Air Flow Sensor to minimize operating cost</li> <li>120V, 1 phase</li> <li>Automatic reset prevents overheating, manual reset, coil elements made of nickel-chrome resistance wire, corrosion resistant galvanized steel enclosure, air flow sensor, built-in electronic temperature control and sensor, round collars simplify installation and reduce labour time.</li> </ul>	99-160 99-161 99-163 99-164	7" diameter, 1KW, 120V/1phase 7" diameter, 2KW, 120V/1phase 6" diameter, 1KW, 120V/1phase 6" diameter, 2KW, 120V/1phase



## EASYAIR GRILLES AND FITTINGS

	FEATURES	PART NUMBER	DESCRIPTION
 <b>TECHGRILLE™</b>	<ul style="list-style-type: none"> <li>Fully adjustable ventilation grille.</li> <li>Center adjustment cone spins In-and-out, providing variable ventilation capacity.</li> <li>No screws required.</li> <li>Compression spring tabs clip the grille into 4", 5", 6" or 8" round duct.</li> <li>Cool white, non-corrosive material</li> </ul>	99-EAG4	4" diameter
		99-EAG5	5" diameter
		99-EAG6	6" diameter
		99-EAG8	8" diameter
 <b>STACK HEAD ELBOW</b>	<ul style="list-style-type: none"> <li>Adapts to 4"/6" Tech Grille (see above)</li> <li>Fits neatly in 2"x4" walls</li> <li>Quick rough-in, and easy to secure</li> </ul>	99-WF4	4" elbow
		99-WF6	6" elbow
 <b>QUICK MOUNT FITTINGS</b>	<ul style="list-style-type: none"> <li>All plastic design, will not sweat or rust</li> <li>Simple to install, saves time</li> <li>Suitable for ceiling or wall applications</li> </ul>	99-QM4	4" diameter
		99-QM5	5" diameter
		99-QM6	6" diameter
 <b>CEILING/WALL FITTINGS</b>	<ul style="list-style-type: none"> <li>Complements Tech Grille; choose size to match</li> <li>Cool white, all plastic design</li> </ul>	99-CF4	4" diameter
		99-CF5	5" diameter
		99-CF6	6" diameter
		99-CF-8	8" diameter
 <b>ROUGH IN METAL FITTING</b>	<ul style="list-style-type: none"> <li>Metal</li> <li>Straps onto floor joists</li> <li>Available in 4 sizes</li> </ul>	99-RIMF4	4" diameter
		99-RIMF5	5" diameter
		99-RIMF6	6" diameter
		99-RIMF8	8" diameter
 <b>KITCHEN GRILLE</b>	<ul style="list-style-type: none"> <li>White, Hinged 6"x10" exhaust grille.</li> <li>Easy access to washable aluminum grease filter (included).</li> </ul>	10-002	Kit, includes 1 grease filter.
		10-002-2	Replacement Grease filter only

	FEATURES	PART NUMBER	DESCRIPTION
<b>Hanging Strap System</b> 	<ul style="list-style-type: none"> <li>INCLUDED with all MAX &amp; RNC products (except RNC 120D)</li> <li>Easy mount system enables pre-assembly on floor</li> <li>Adjustable clip simplifies leveling procedure</li> </ul>	99-80-102	includes 4 heavy duty straps and 4 S-hooks
<b>Airflow Measuring Equipment</b> 	<ul style="list-style-type: none"> <li>Flow Measuring Station</li> <li>Balancing Kit (Flow Station Style): Magnehelic gauge. Includes flow stations, hoses and carrying case.</li> <li>Pitot Tube Balancing Kit, Magnehelic gauge, Pitot Tube, Hoses.</li> <li>Balancing kit for models 155 MAX, 200 MAX and RNC5-TPD</li> <li>Carrying case not provided</li> </ul>	99-150, 99-152 99-153, 99-155  99-166-5 99-166-6  99-167 99-168  99-181 99-200 99-206 99-208	5" Diameter, 6" Diameter 7" Diameter, 8" Diameter  5" Diameter 6" Diameter  Kit Pitot Tube only  Magnehelic Gauge only 0-0.25" static  Megnehelic Gauge only 0-.5" static Megnehelic Gauge only 0-1" static
<b>Lint Trap</b> 	<ul style="list-style-type: none"> <li>6" Diameter, Galvanized</li> <li>Lint Trap.</li> <li>Pull out door with view window.</li> </ul>	99-136	Metal, with removable 2 ply lint screen
<b>TFP Accessories</b> 	Replacement TFP3000 Collector Replacement HEPA Filter (for TFP3000) Replacement filter kit (for TFP2000) Installation Kit.	65-503R 65-502R 99-7TFP 99-179	Annual replacement recommended Replace every 2-3 years. Includes 7" Flex Duct, 2 – 7" Collars, 4 Nylon Ties. 6 Filters – approx 20"x20"x1".
<b>HRV Miscellaneous</b>	RNC5-TPD 0.5" ID Clear flexible vinyl drain hose, 100'/box 6" Diameter Balancing Collar 6" Spring-Loaded Back-draft Damper Merv 8 Pleated filter Pack (6)	99-165 99-122 99-RSK6 99-MERV8-6 99-SILENCER-6	Also available in 4/5/8/10/12 diameters Note: Not compatible with 95MAX, 195/300DCS. 6" port

## LIFESTYLE CONTROLS



Included  
with all  
MAX units

### 99-DXPL01 Digital Control

- 5-speed operation
- 4 user operational modes
  - continuous ventilation
  - 20 min. ON, 40 min. OFF
  - 20 min. ON, 40 min. recirculation\*
  - Continuous recirculation\*
- \*Not available on all models
- Built-in interface to furnace
- Automatic service reminder
- Automatic control based on outdoor temperature sensing.



Optional  
upgrade on  
MAX units

### 99-LS01 Programmable Control

All Features of 99-DXPL01, plus:

- DELUXE fully featured 5-speed, 4 mode unit.
- Fully PROGRAMMABLE, 4-event feature allows customization according to lifestyle.



Optional  
on RNC

### 99-DX01 Digital Control

- 4 selectable operational modes\*
  - \*Not available on all models
- 2 speed operation on each mode
- Adjustable dehumidistat function
- Dehumidistat disable



### 99-BC01 Ventilation Control

- 2 Speed operation
- Standby
- Unit On/Off
- Dehumidistat

Optional  
on RNC



### 99-DH01 Dehumidistat

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

Optional  
on RNC

### 99-ERV02 ERV Control

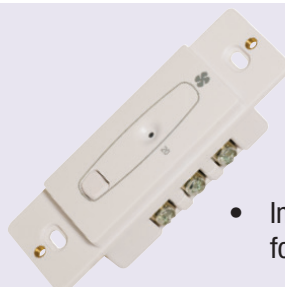
- 2 speeds
- Unit ON/OFF
- 2 modes of operation

## Timers



### 99-DET01 20/40/60 Minute Timer

- Initiate high speed operation for 20, 40 or 60 minutes.



### 99-20M01 20 Minute Timer

- Initiates high speed operation for 20 minutes.

(Both timers available on MAX and RNC Series)

## Terms and Conditions

### TERMS OF SALE

1. Payment: Net 30 days, from invoice date.
2. Canadian Customers – Taxes:
  - a. G.S.T. will be charged on all products, and shown separately on each invoice.
  - b. P.S.T. (where/as applicable) are extra and will be charged unless AIRIA is supplied with a Provincial Sales Tax license number.
  - c. H.S.T. (where/as applicable) will be charged on all products, and shown separately on each invoice.
3. U.S. & International Customers
  - a. Federal I.D. # is mandatory for all shipments.
  - b. Taxes not applicable.
4. Ownership of the product remains the property of AIRIA until the invoice is paid in full.

### SHIPPING AND DELIVERY

1. Order lead times (target timeframes):
  - Residential units – as little as 5 business days
  - Commercial – 10 business days
  - Large Commercial – 15-20 business days
  - Parts – 2 business days
2. To protect your product during transport, protective packaging, containers or skids can increase shipping weight by 5 - 20%. Exact weight can be confirmed at time of order.
3. All orders are shipped via courier, and delivered during normal business hours. Shipping charges are included to most major centers in the U.S. Additional charges may apply for shipments beyond those centers. You will be notified of extra charges prior to order entry.
4. We regret that we cannot ship to a Post Office (P.O.) Box address.

### PRICING

See pricing lists (available separately) for details

### FREIGHT CLAIMS

1. All return Freight charges are the responsibility of the sender.
2. Extra freight duty or brokerage costs charged to Airia Brands Inc., will be deducted from your credit.

### GOODS RETURNED FOR CREDIT

1. Authorization must be obtained prior to returning any goods. Use the Return Goods Authorization Form (SM-01F) found on the front of the parts list.
2. Once authorized you will receive an RMA number/#; this RMA number/# must be tagged on the returned product.
3. Returned products must be freight prepaid and adequately packaged to prevent damage. If damaged or unusable, credit will be denied.
4. A minimum 15% restocking charge will apply.
5. Custom products and non-stock products are non-returnable and non-refundable.
6. AIRIA reserves the right to refuse any request for return.

### WARRANTY POLICY, REPLACEMENT PARTS, RETURNS

Airia Brands Inc. is proud to stand behind our products. Should replacement parts be required, while under warranty, they will be provided at no charge. Refer to the warranty card enclosed with the product. Replacement parts installed in units under warranty will assume the original machine warranty remaining OR one year, whichever is longer. Note, warranty is for parts only. Freight or labor incurred is the responsibility of the homeowner. Refer to the warranty card enclosed with the product manual documentation.

Should a warranty claim for replacement parts be necessary, please complete the following procedure:

1. Replacement warranty parts are invoiced on order.
2. When defective parts are ready for return for warranty credit, complete RMA Form SM-01F noting the machine model, serial number, date and explanation of failure.
3. Fax completed form for authorization before returning defective parts to Airia. Defective parts being returned must have an authorized SM-01F to receive credit.
4. Upon authorization, return the completed form together with the defective part, Pre-Paid. U.S. returns should be sent via Postal service (versus courier).
5. Address your prepaid, insured package to:  
Airia Brands Inc, Attn: Returns, 511 McCormick Blvd,  
London, Ontario, Canada N5W 4C8. COD deliveries will not be accepted.
6. After completing the above, your account will be credited within 30 days.



511 McCormick Blvd.  
London, Ontario, Canada N5W 4C8  
Ph: (519) 457-1904

Toll Free: 1-855-AIRIA-00  
(1-855-247-4200)

[www.lifebreath.com](http://www.lifebreath.com)

