

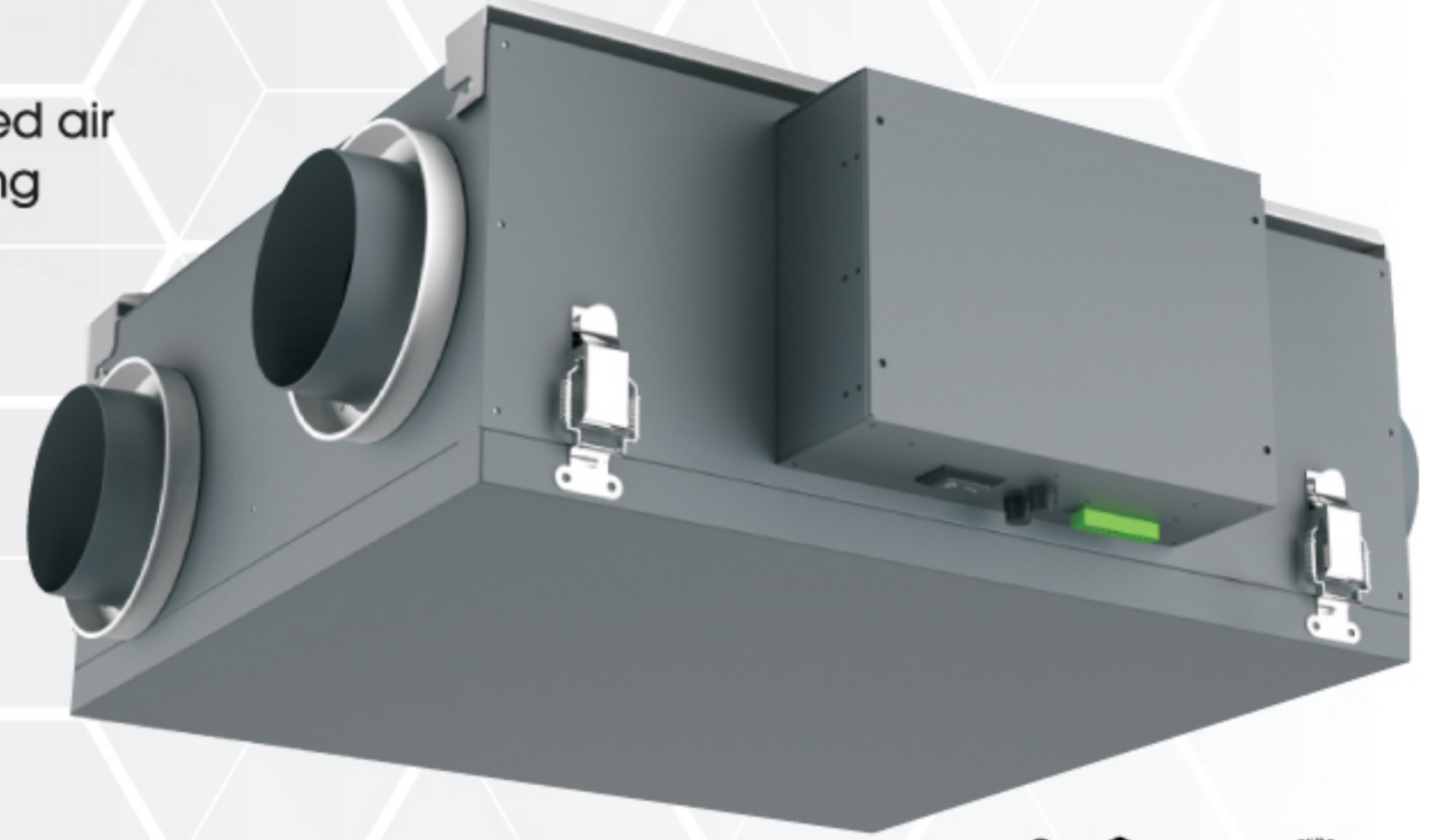
## ENERGY RECOVERY VENTILATOR

### ODD-ERV-150

#### HIGHLIGHTS

##### Energy Recovery Ventilator with efficient cross-flow core

- Brings a continuous supply of fresh air into the home while exhausting contaminated air
- Equipped with automatic defrost mechanisms so you can use your ERV all year long
- Super Compact Size: **24 11/64" \* 26 13/16" \* 9 11/64 inches**
- Includes Easy-Mount Bracket, Easy Access Service Door
- Washable Graphene Modified Polymer Membrane Energy Recovery Core
- Estimated sound level is less than 1.6 Sones at 5 ft. in a free field conditions at continuous low speed\*
- Configurable motors for balancing | Push button timer switch
- **Case:** Galvanized steel/Pre-paint steel
- **Insulation:** Cabinet is fully insulated with high density expanded polystyrene
- **Filter:** Two (2) washable MERV 8 primary filters
- Four (4) feet long 110V Electric Cord Standard (Removable for hard wiring)
- Can be installed horizontally and vertically
- **CSA standard C439-18 compliant**



#### SPECIFICATIONS

FEATURES	
Duct Size	5"
Voltage	120V/60Hz
Wattage	165W
Amp	2.16A
Airflow	148CFM@0.35"wg
Fans	2 EC centrifugal fans
Weight	57 lbs

#### ENERGY RECOVERY CORE

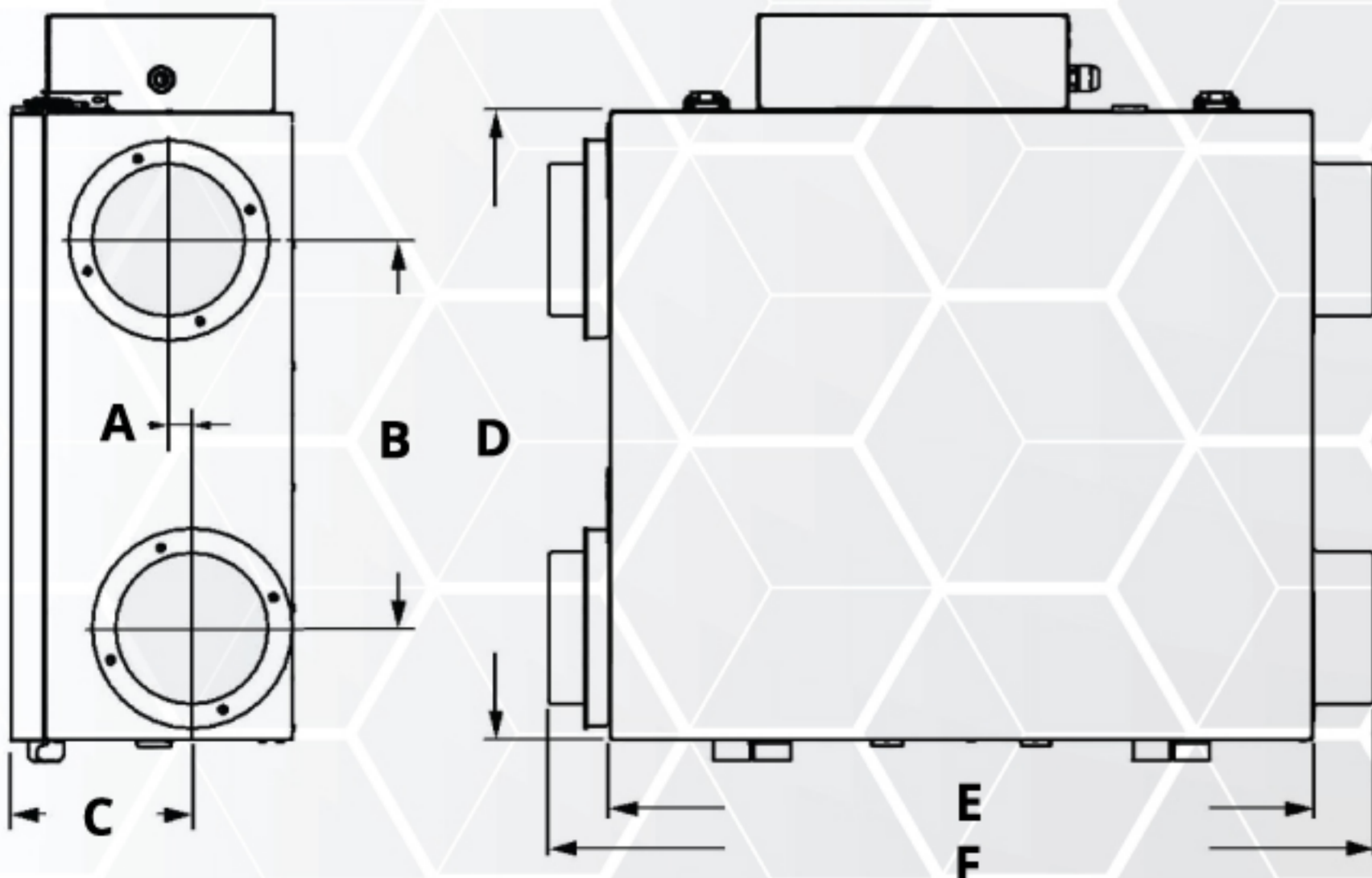
Graphene Modified Polymer Membrane Energy Recovery Core covered by a limited lifetime warranty. Core dimensions are 11 13/16" x 11 13/16" inches with a 7 1/8" inches depth.

#### DEFROST

The freeze protection function prevents freezing of the energy recovery core in the cold season. This function is activated automatically and cannot be turned on or off. The ventilation unit periodically switches from rated operation mode to the special defrost mode (the extract fan runs in high speed, the supply fan is off) and vice versa according to the signaling from the outdoor temperature sensor. The temperature conditions for this mode are described in the table below:

Outside Temperature		Defrost Cycle min./ Operating min.
°C	°F	
Warmer Than -5	Warmer Than 23	No Defrost
-5 To -15	23 To 5	10/30
-15 To -27	5 To -17	10/20
-27 And Less	-17 And Less	10/15

#### DIMENSIONS



- A** 3/4" (19 mm)
- B** 12-3/8" (315 mm)
- C** 5-13/16" (147 mm)
- D** 20-1/16" (510 mm)
- E** 22-7/16" (570 mm)
- F** 26-3/8" (670 mm)
- G** Ø 4-7/8" (124 mm)
- H** 1-1/8" (29 mm)
- I** 9-1/16" (230 mm)
- J** 3-15/16" (100 mm)
- K** 12-5/8" (320 mm)
- L** 3-9/16" (91 mm)
- M** 23-1/4" (590 mm)

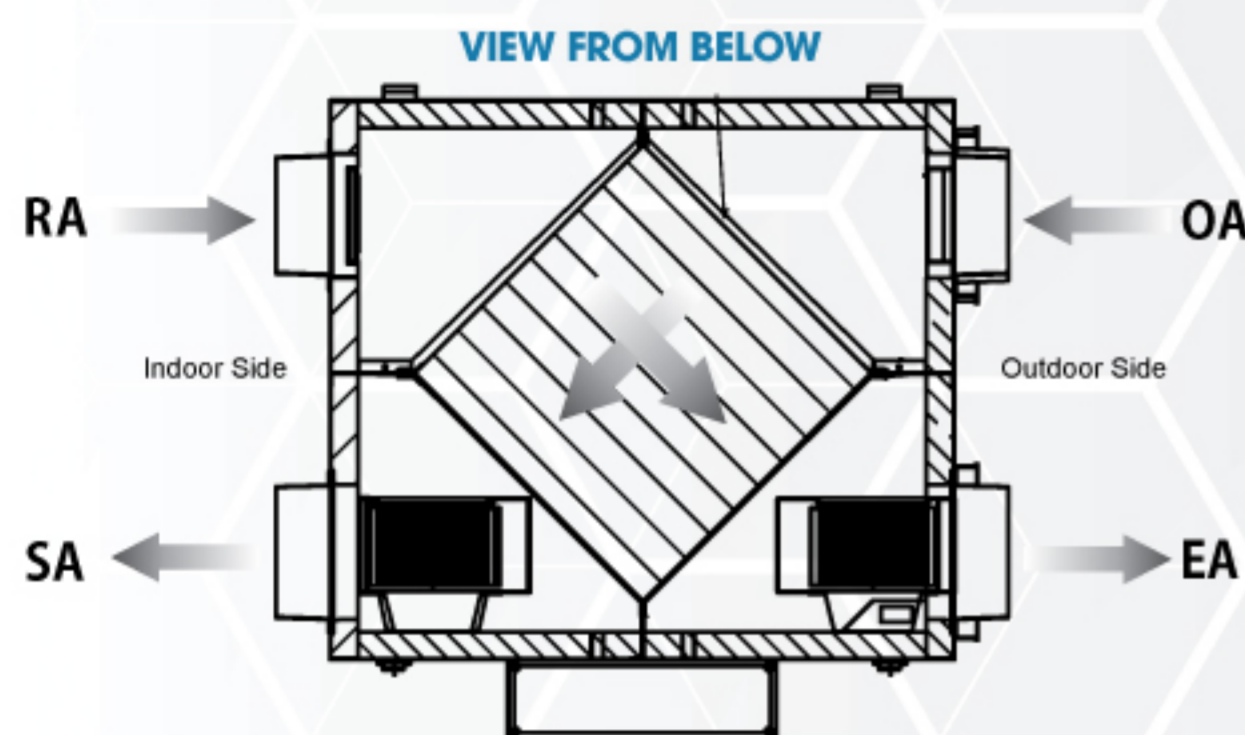
\*not tested under controlled environment



## ENERGY RECOVERY VENTILATOR

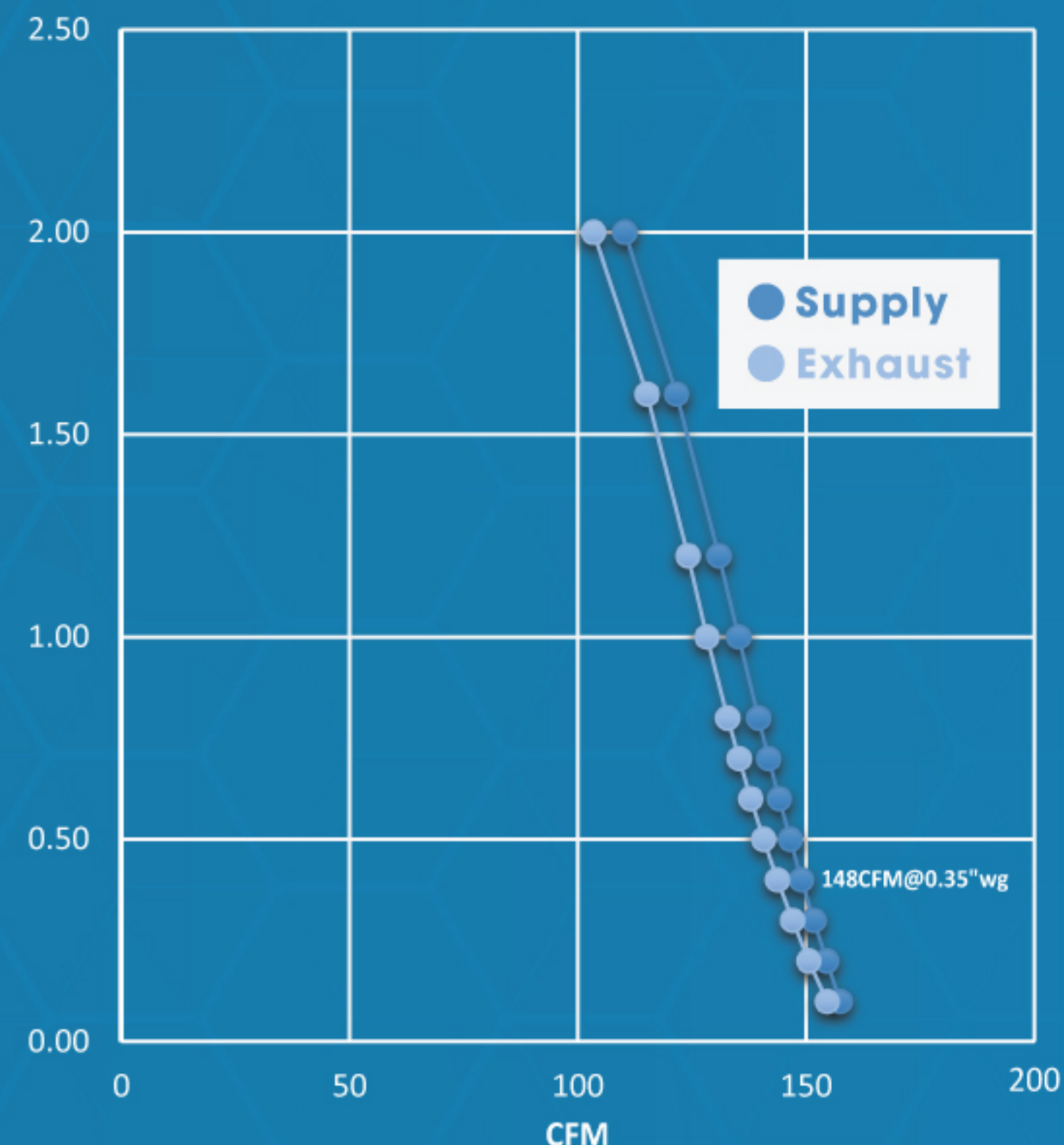
### ODD-ERV-150

#### AIRFLOW



EXHAUST CFM	SUPPLY CFM	IN WG
155	157	0.10
151	155	0.20
147	152	0.30
144	149	0.40
141	147	0.50
138	144	0.60
135	142	0.70
133	140	0.80
128	135	1.00
124	131	1.20
115	122	1.60
103	110	2.00

#### FAN CURVE



#### ENERGY PERFORMANCE

HEATING	SUPPLY TEMP.	NET AIRFLOW (CFM)	AVERAGE POWER	SENSIBLE RECOVERY EFFICIENCY (SRE)	ADJUSTED SENSIBLE RECOVERY EFFICIENCY (ASRE) (this data is not HVI certified)	APPARENT SENSIBLE EFFECTIVENESS (ASE)	NET MOISTURE TRANSFER
i	0°C / 32°F	68.4	27W	71.0	74.0	76.6	0.60
ii	0°C / 32°F	100.8	56W	66.0	70.0	72.4	0.55
iii	0°C / 32°F	148.7	157W	61.0	68.0	70.0	0.49
iv*	0°C / 32°F	55.0	-	75.0	80.0	82.0	-

COOLING	SUPPLY TEMP.	NET AIRFLOW (CFM)	AVERAGE POWER	SENSIBLE RECOVERY EFFICIENCY (SRE)	ADJUSTED SENSIBLE RECOVERY EFFICIENCY (ASRE) (this data is not HVI certified)	APPARENT SENSIBLE EFFECTIVENESS (ASE)	NET MOISTURE TRANSFER
i	35°C / 95°F	67.8	28W	62.0	64.0	71.4	0.62

#### ACCESSORIES (sold separately)



**ERV-SC-2**  
(24V low voltage, wall mounted, screen controller)



**ODD-ERV Timer**



**FAP**  
(Flush Access Panel)



**MAP**  
(Mud Access Panel)



**PAV-B**  
(Polymeric Air Valve)



**SAV**  
(Supply Air Valve)

Reference	QTY.	Remarks	Project:
			Location:
			Architect:
			Engineer:
			Contractor:
			Submitted by:
			Date:

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\*data based on linear Interpolation

