

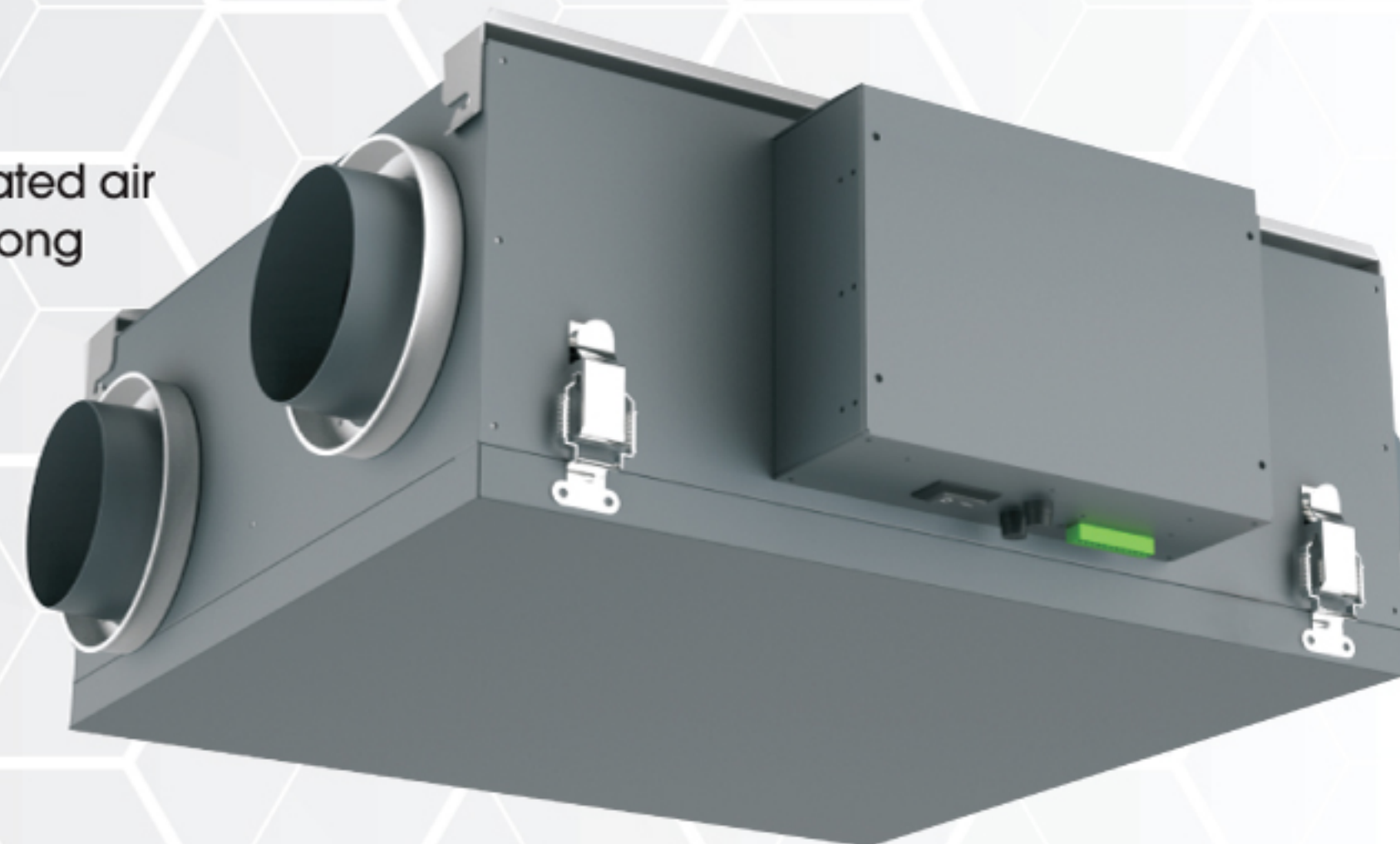
## ENERGY RECOVERY VENTILATOR

### ODD-ERV-80

#### 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: **22 <sup>3</sup>/<sub>4</sub> \* 21 <sup>31</sup>/<sub>32</sub> \* 8 <sup>57</sup>/<sub>64</sub> 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	57W
Amp	0.80A
Airflow	87CFM@.25 INCHES OF WATER
Fans	2 EC centrifugal fans
Weight	52 lbs

#### ENERGY RECOVERY CORE

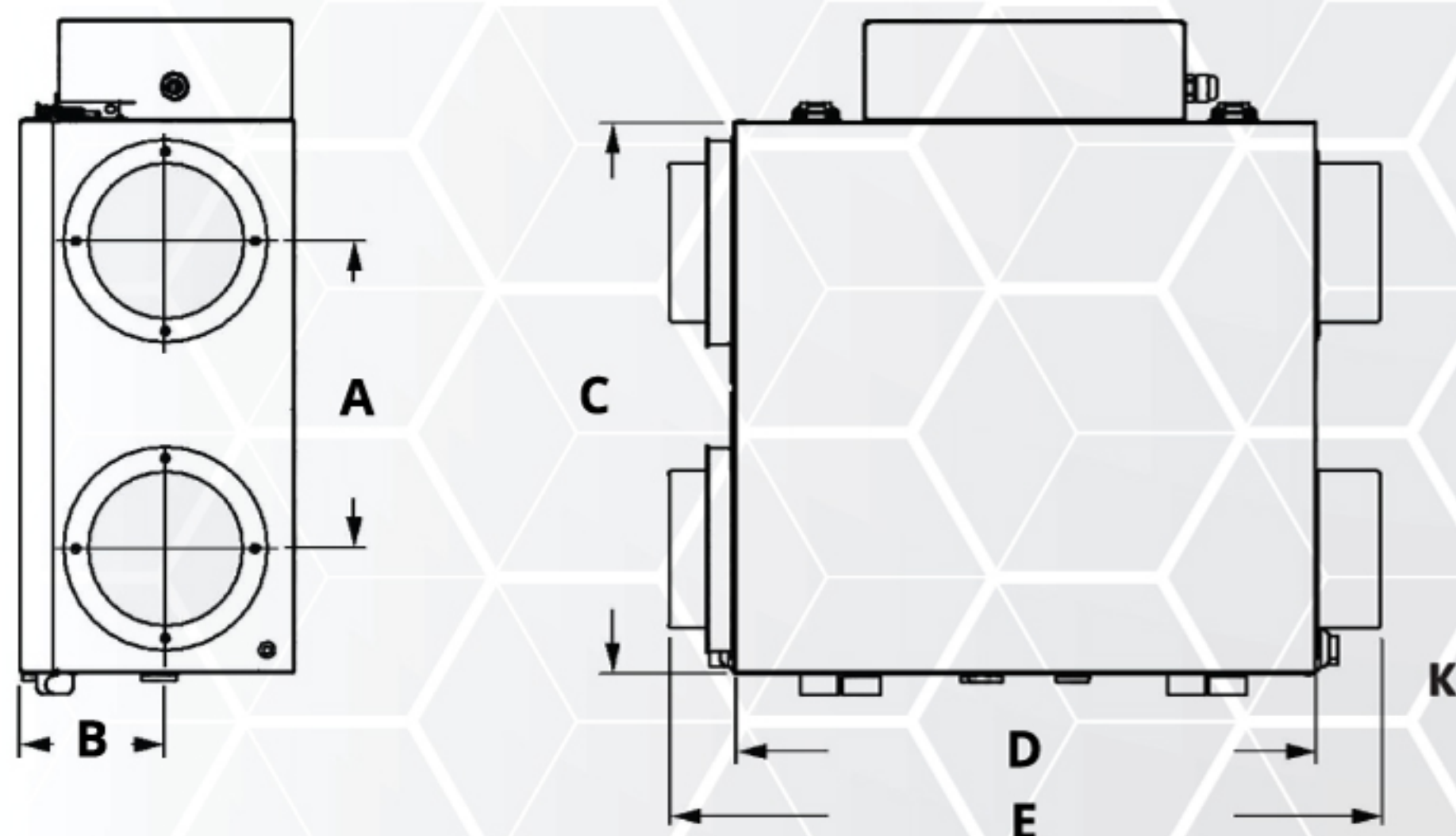
Graphene Modified Polymer Membrane Energy Recovery Core covered by a limited lifetime warranty. Core dimensions are 9 <sup>2</sup>/<sub>8</sub> x 9 <sup>2</sup>/<sub>8</sub> inches with a 7 <sup>1</sup>/<sub>8</sub> inches depth.

#### 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** 9-1/2" (241mm)
- B** 4-7/16" (113 mm)
- C** 17-1/16" (433 mm)
- D** 18" (458 mm)
- E** 22" (558 mm)
- F** Ø 4-7/8" (124 mm)
- G** 9-1/2" (241 mm)
- H** 20-3/16" (512 mm)
- I** 8-7/16" (214 mm)
- J** 4-7/16" (113 mm)
- K** 3-7/8" (98 mm)

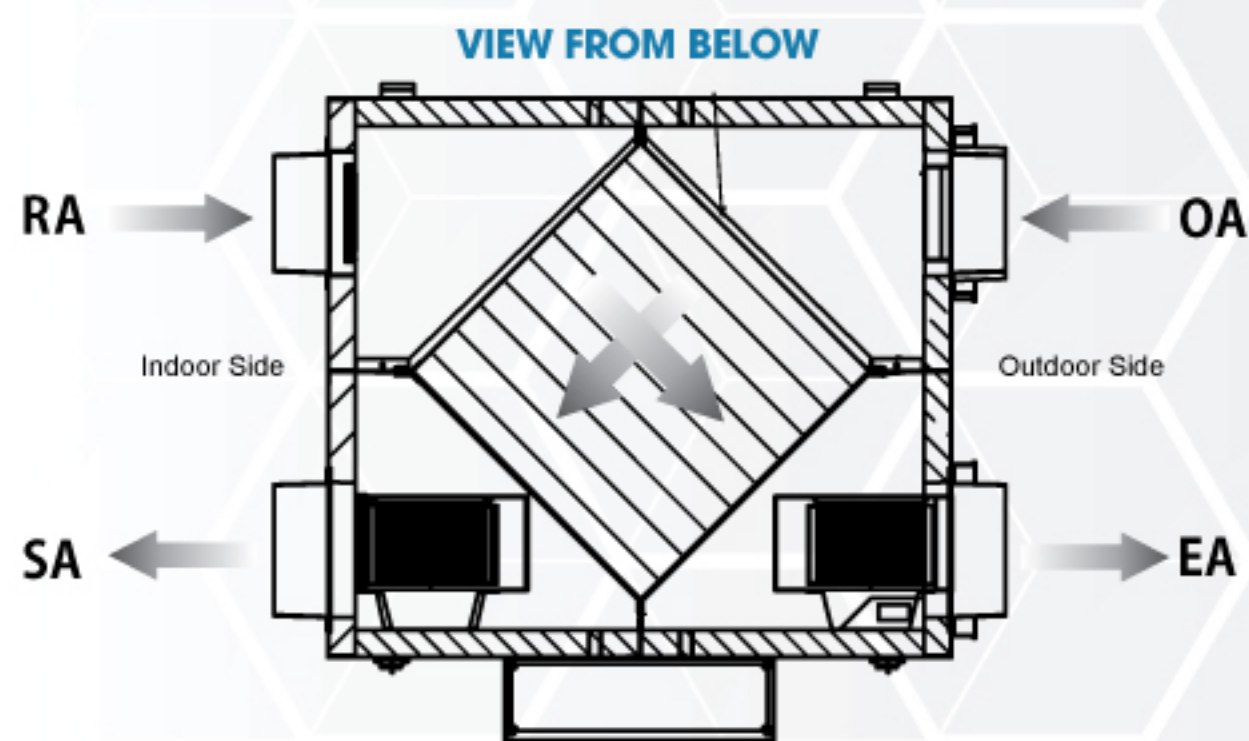
\*not tested under controlled environment



## ENERGY RECOVERY VENTILATOR

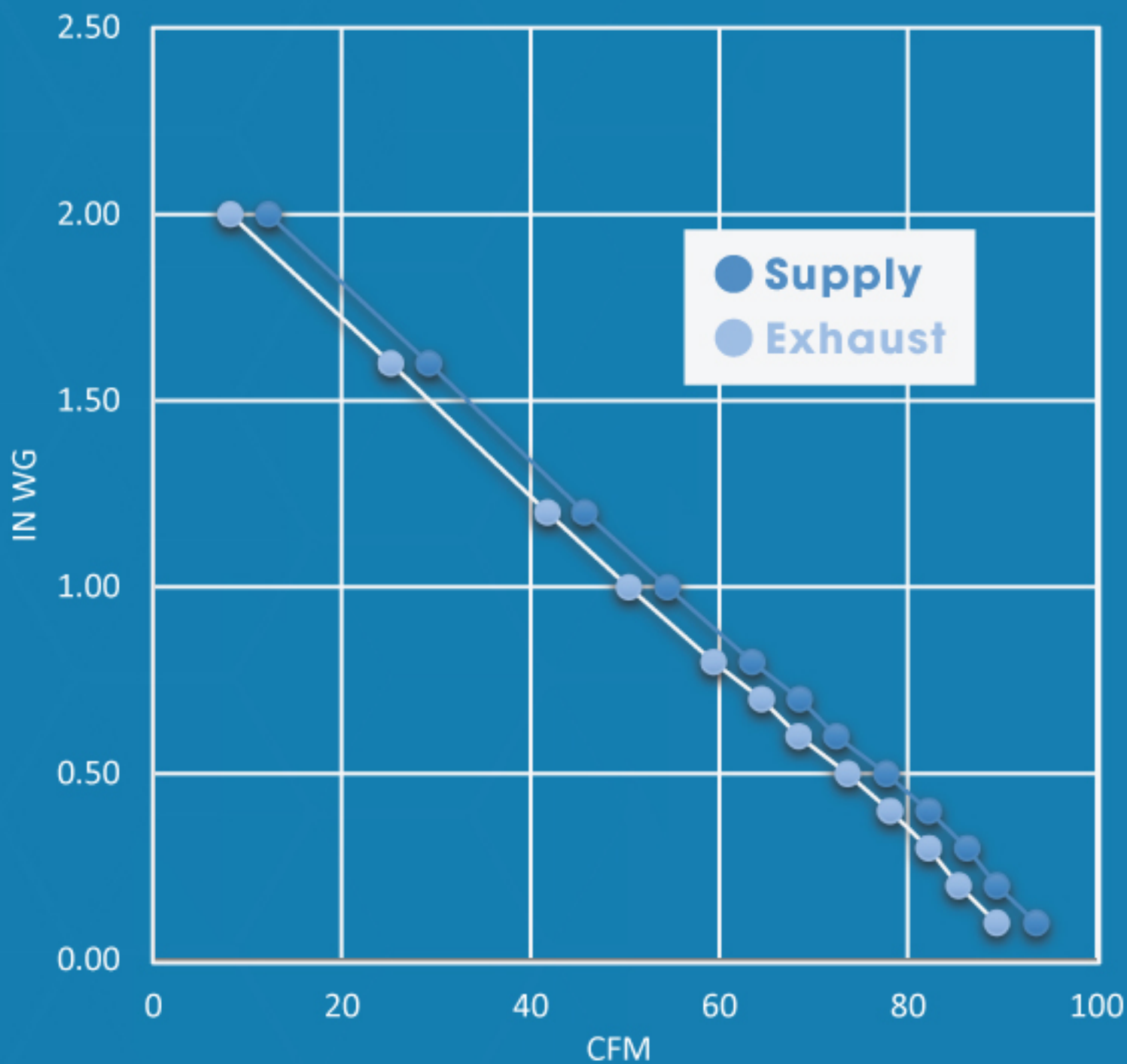
### ODD-ERV-80

#### AIRFLOW



EXHAUST CFM	SUPPLY CFM	IN WG
89	94	0.10
85	89	0.20
82	86	0.30
78	82	0.40
74	78	0.50
68	72	0.60
65	69	0.70
59	64	0.80
50	55	1.00
42	46	1.20
25	29	1.60
8	12	2.00

#### FAN CURVE



#### ENERGY PERFORMANCE

HEATING	SUPPLY TEMP.		NET AIRFLOW (CFM)	AVERAGE POWER	SENSIBLE RECOVERY EFFICIENCY (SRE)	ADJUSTED SENSIBLE RECOVERY EFFICIENCY (ASRE)	APPARENT SENSIBLE EFFECTIVENESS (ASE)	NET MOISTURE TRANSFER
i	0°C	32°F	43.4	42W	76.9	83.7	86.0	0.67
ii	0°C	32°F	54.0	38W	74.7	79.7	81.6	0.62
iii	0°C	32°F	64.4	34W	72.5	76.1	78.1	0.57

COOLING	SUPPLY TEMP.		NET AIRFLOW (CFM)	AVERAGE POWER	SENSIBLE RECOVERY EFFICIENCY (SRE)	ADJUSTED SENSIBLE RECOVERY EFFICIENCY (ASRE)	APPARENT SENSIBLE EFFECTIVENESS (ASE)	NET MOISTURE TRANSFER
i	35°C	95°F	43.6	40W	70.4	69.2	77.1	0.68

#### 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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