

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 3/4" x 21 31/32" x 8 57/64 inches**
- Includes Easy-Mount Bracket
- Washable Graphene Modified Polymer Membrane Energy Recovery Core
- Easy Access Service Door
- 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
- **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

ENERGY RECOVERY CORE

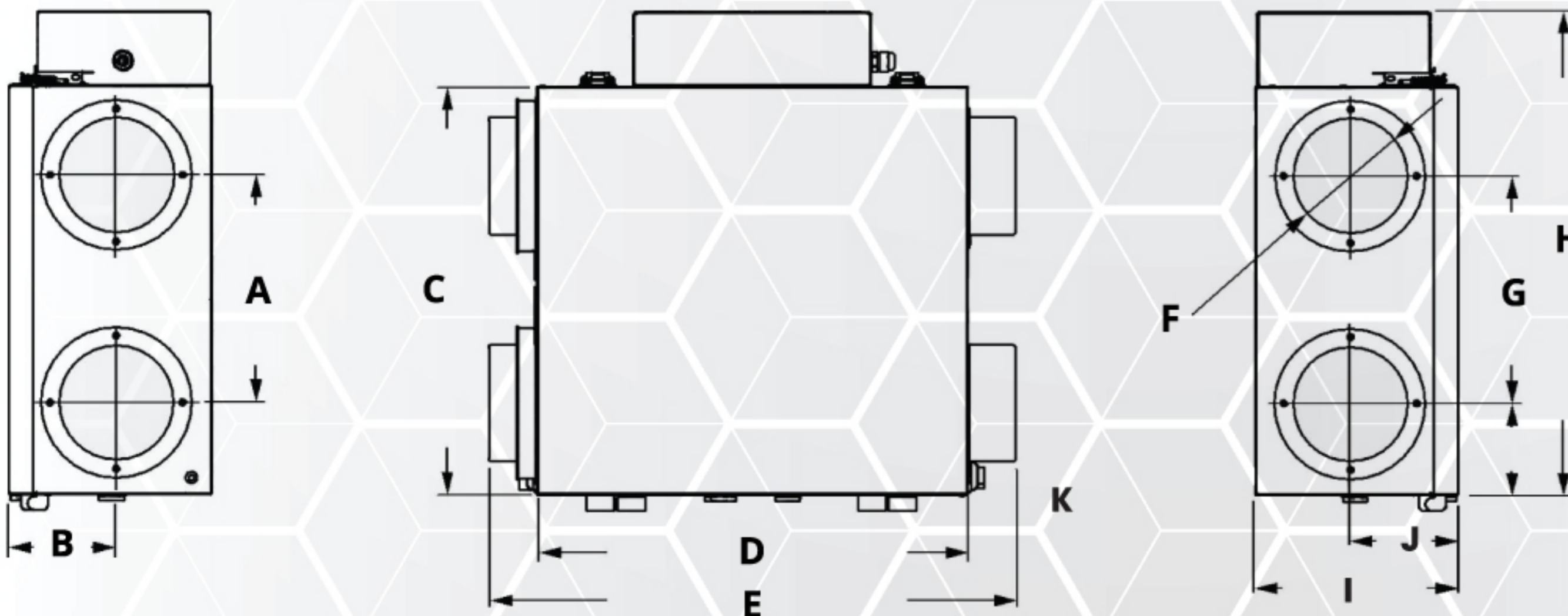
Graphene Modified Polymer Membrane Energy Recovery Core covered by a limited lifetime warranty. Core dimensions are 9 27/32 x 9 27/32 inches with a 7 1/64 inches depth.

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



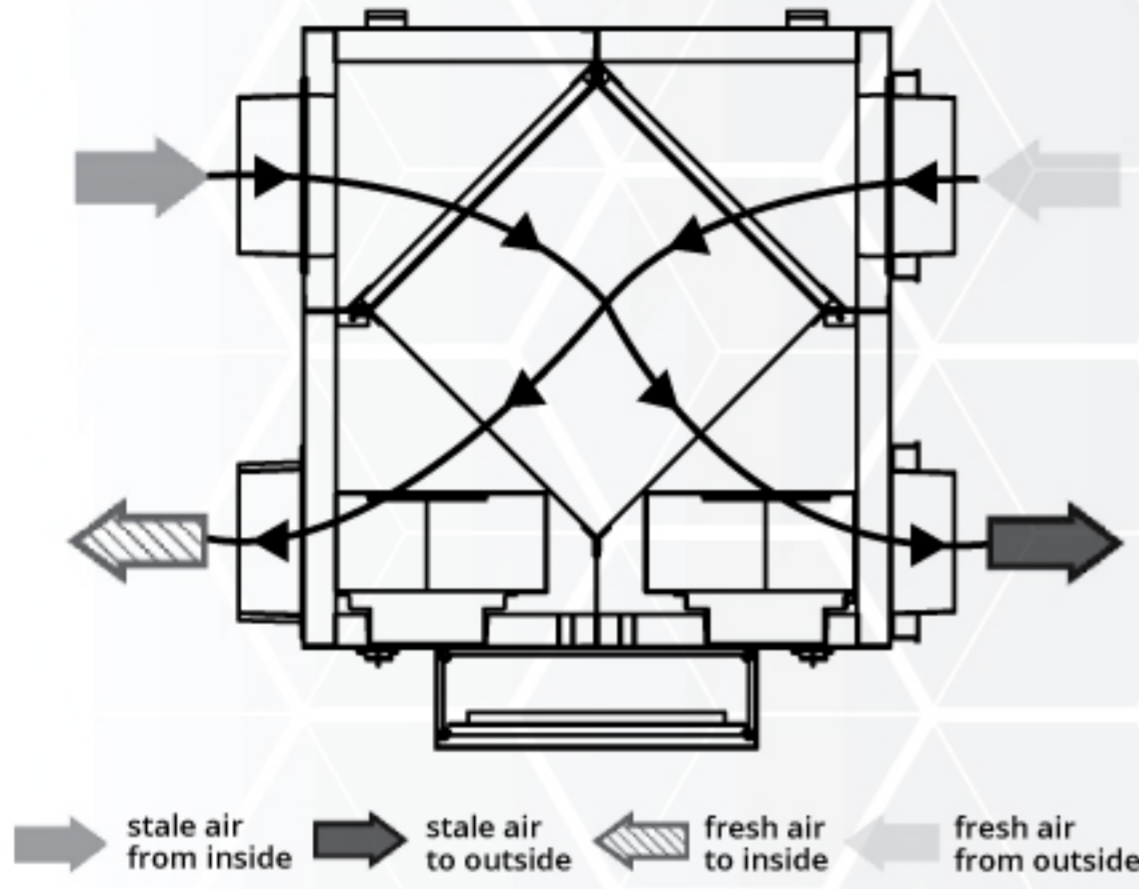
- A 9-1/2" (241mm)
- B 4-7/16" (113 mm)
- C 17-1/16" (433 mm)
- D 18" (458 mm)
- E 22" (558 mm)
- F Ø 4-7/8" (124 mm)
- G 9-1/2" (241 mm)
- H 20-3/16" (512 mm)
- I 8-7/16" (214 mm)
- J 4-7/16" (113 mm)
- K 3-7/8" (98 mm)

*not tested under controlled environment

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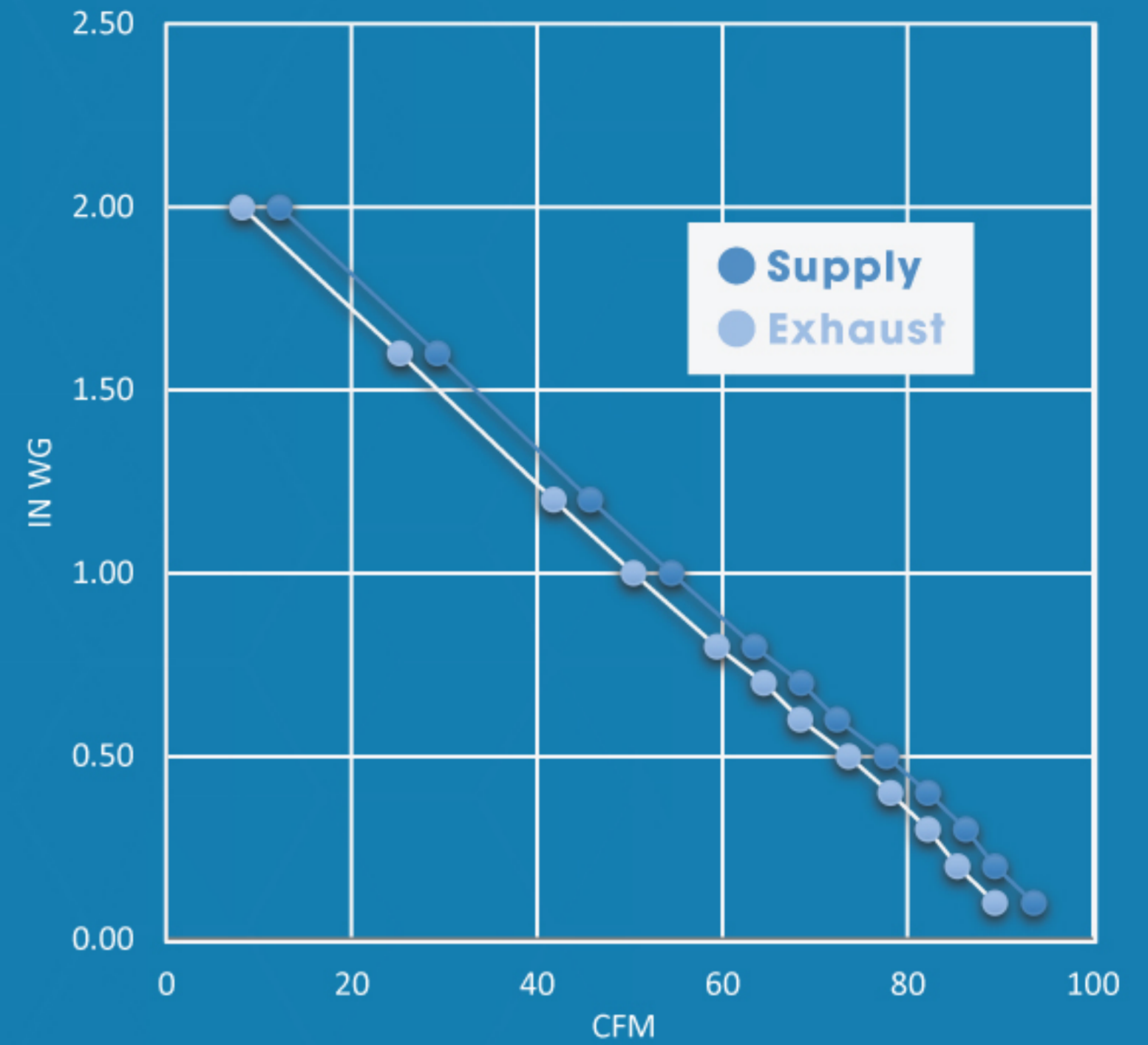
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AIRFLOW



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	AVERAGE POWER	SENSIBLE RECOVERY EFFICIENCY	ADJUSTED SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	NET MOISTURE TRANSFER
i	0°C / 32°F	43.4cfm	42W	76.9	83.7	86.0	0.67
ii	0°C / 32°F	54.0cfm	38W	74.7	79.7	81.6	0.62
iii	0°C / 32°F	64.4cfm	34W	72.5	76.1	78.1	0.57

COOLING	SUPPLY TEMP.	NET AIRFLOW	AVERAGE POWER	SENSIBLE RECOVERY EFFICIENCY	ADJUSTED SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	NET MOISTURE TRANSFER
i	35°C / 95°F	43.6cfm	40W	70.4	69.2	77.1	0.68

ACCESSORIES (sold separately)



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

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