

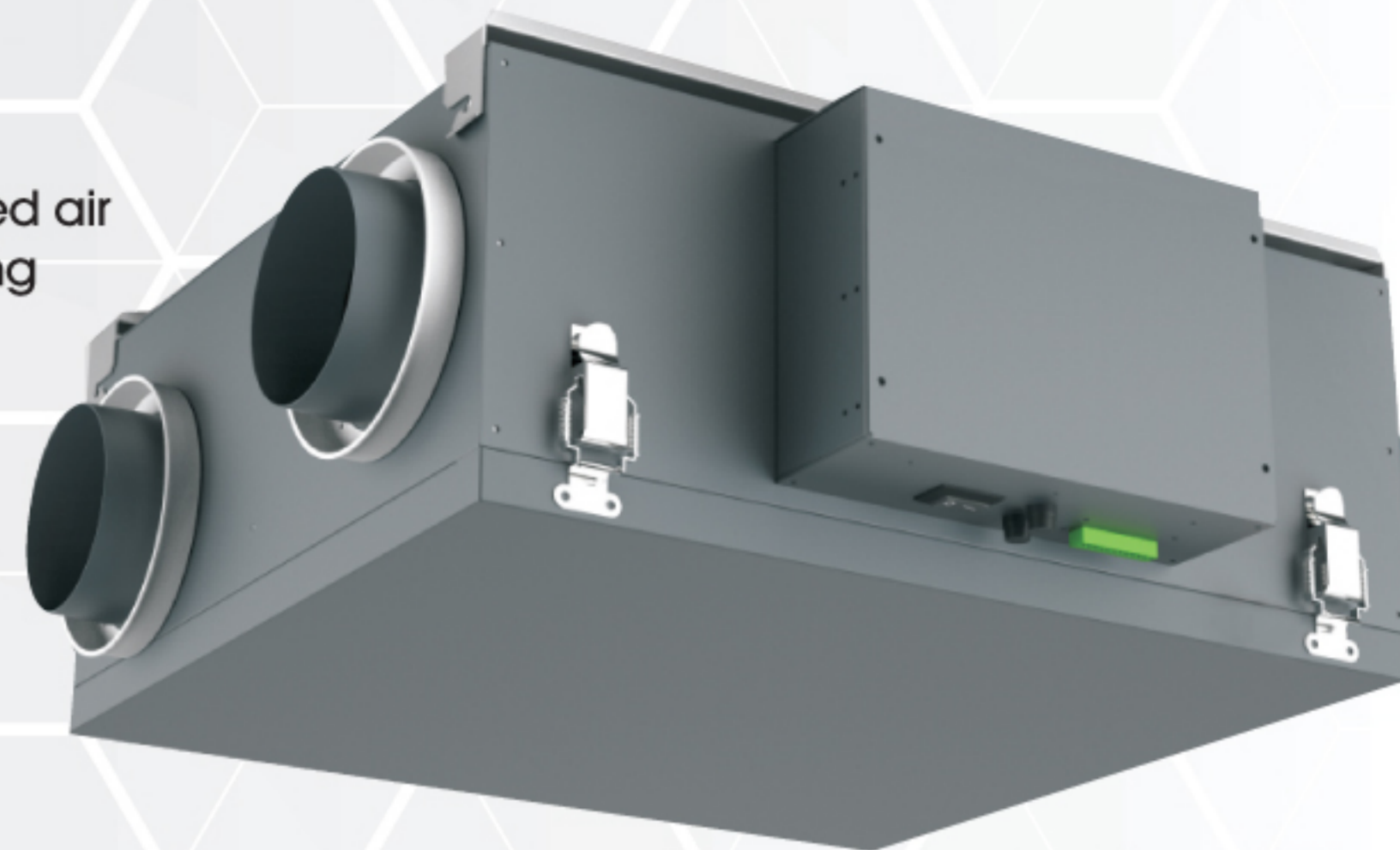
ENERGY RECOVERY VENTILATOR

ODD-ERV-120

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
- 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 primary air filters
- **CSA standard C439-18 compliant**



SPECIFICATIONS

FEATURES

Duct Size	5"
Voltage	120V/60Hz
Wattage	96W
Amp	1.32A
Airflow	120CFM@50Pa
Fans	2 EC centrifugal fans

DEFROST

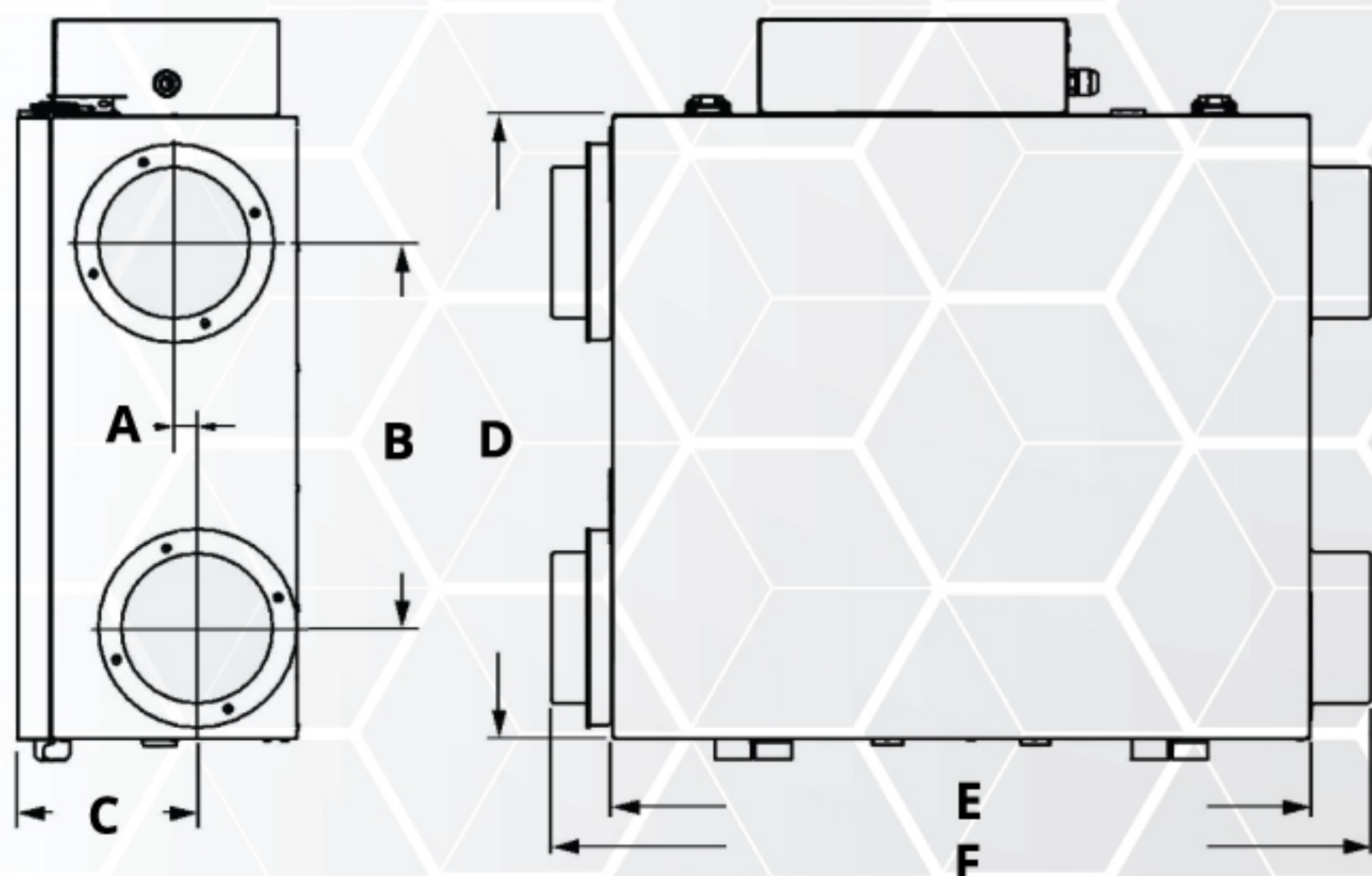
The freeze protection function prevents freezing of the energy recovery core in the cold season. This function is activated automatically and cannot be turned on or off. The ventilation unit periodically switches from rated operation mode to the special defrost mode (the extract fan runs in high speed, 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

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 1/4 inches depth.

DIMENSIONS



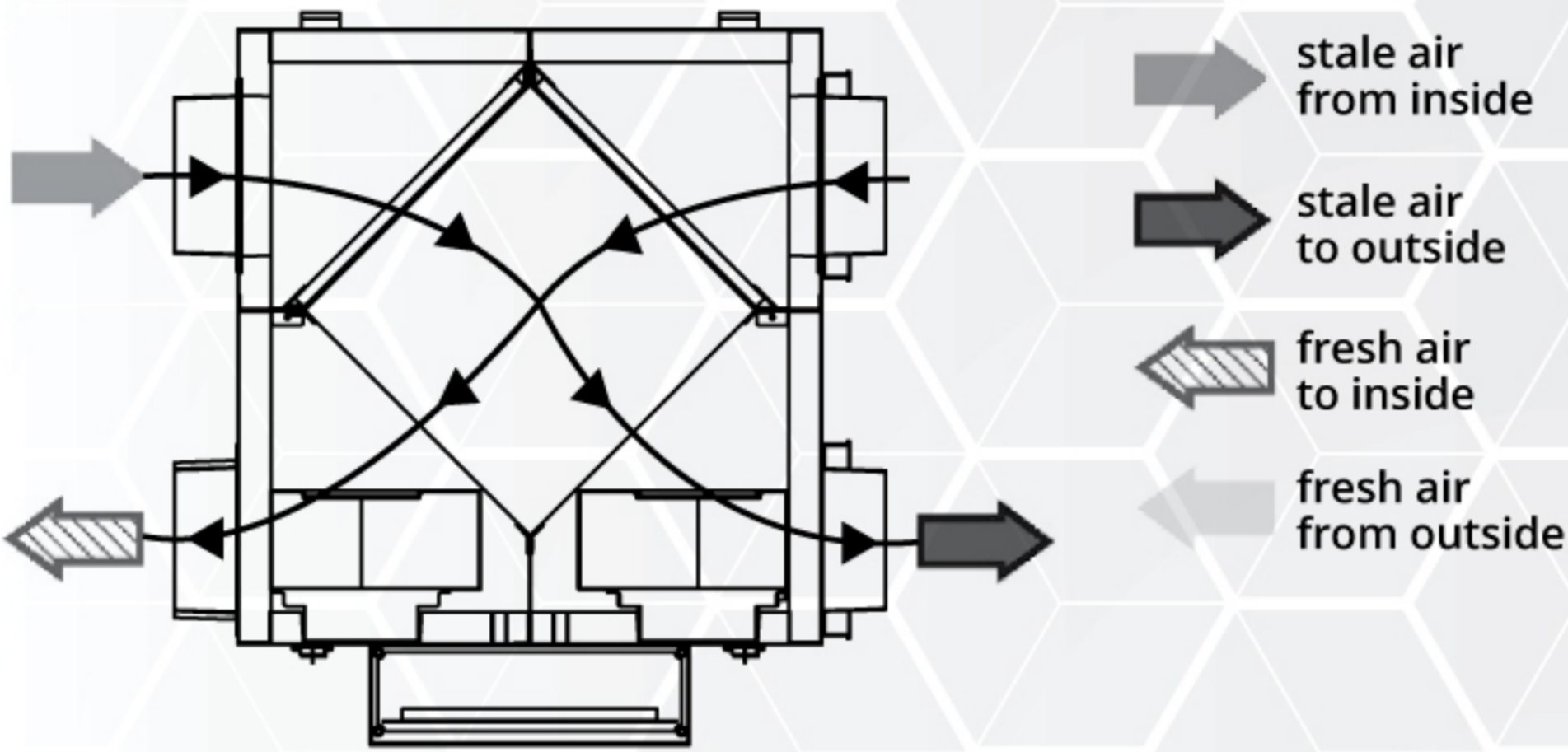
- A 3/4" (19 mm)
- B 12-3/8" (315 mm)
- C 5-13/16" (147 mm)
- D 20-1/16" (510 mm)
- E 22-7/16" (570 mm)
- F 26-3/8" (670 mm)
- G Ø 4-7/8" (124 mm)
- H 1-1/8" (29 mm)
- I 9-1/16" (230 mm)
- J 3-15/16" (100 mm)
- K 12-5/8" (320 mm)
- L 3-9/16" (91 mm)
- M 23-1/4" (590 mm)

*not tested under controlled environment

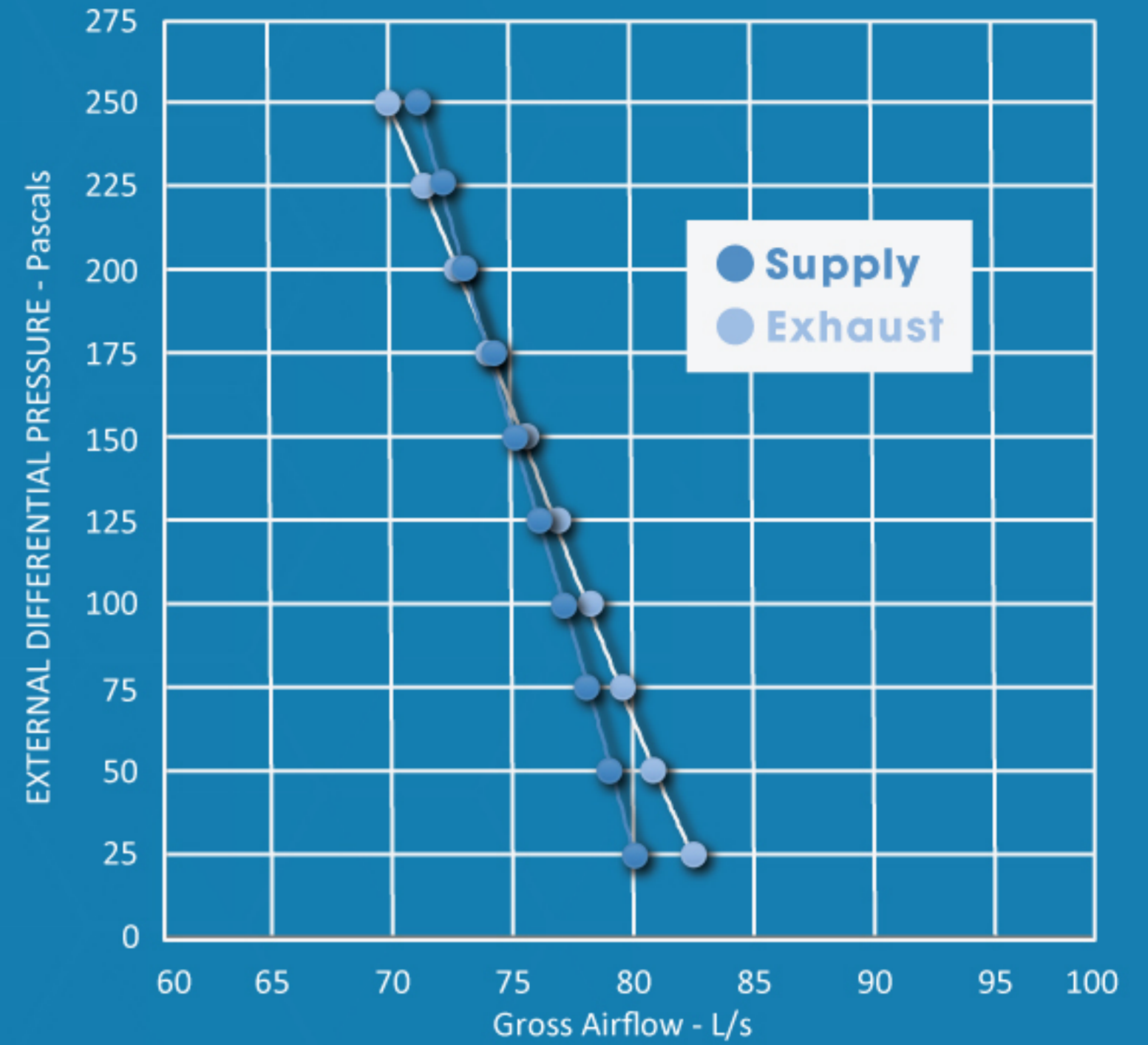
ENERGY RECOVERY VENTILATOR

ODD-ERV-120

AIRFLOW



FAN CURVE



ENERGY PERFORMANCE

HEATING	SUPPLY TEMP.		NET AIRFLOW	AVERAGE POWER	SENSIBLE RECOVERY EFFICIENCY	ADJUSTED SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS (this data is not HVI certified)	NET MOISTURE TRANSFER
i	0°C	32°F	68cfm	33W	76	80	82	0.63
ii	0°C	32°F	97cfm	53W	70	74	76	0.55
iii	0°C	32°F	106cfm	66W	69	72	74	0.53

COOLING	SUPPLY TEMP.		NET AIRFLOW	AVERAGE POWER	TOTAL RECOVERY EFFICIENCY	ADJUSTED TOTAL RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS (this data is not HVI certified)	NET MOISTURE TRANSFER
i	35°C	95°F	66cfm	33W	65	67	76	0.64

ACCESSORIES (sold separately)



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

ORTECH reserves the right to modify at any time, without notice, any or all of our product's features, designs, components and specifications to meet market changes.