ORTECH

Product Specification Sheet

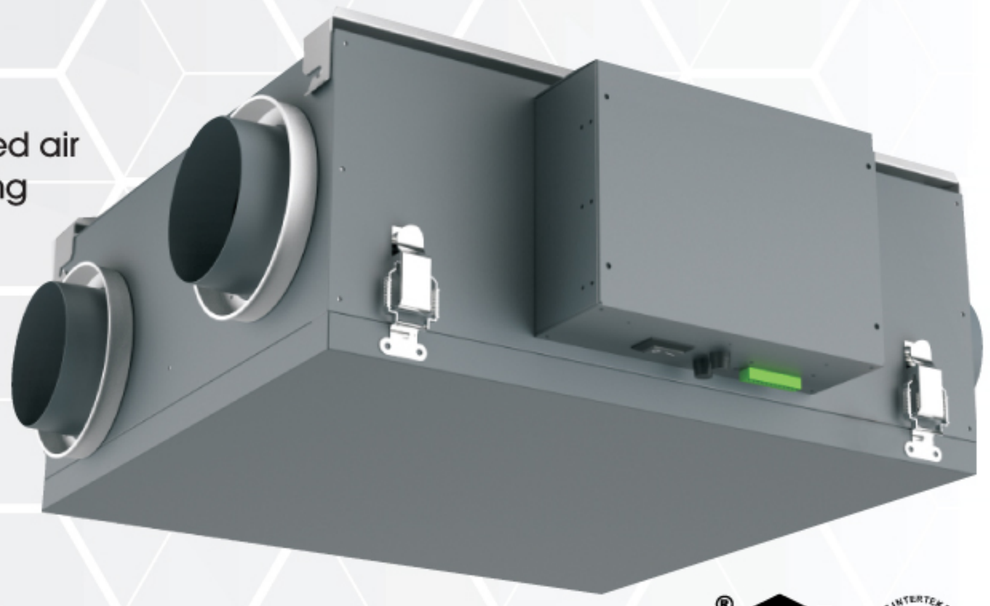
ENERGY RECOVERY VENTILATOR

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 $^{3}/_{4}$*21 $^{31}/_{32}$*8 $^{57}/_{64}$ inches**
- Includes Easy-Mount Bracket
- Washable Graphene Modified Polymer Membrance 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**



HVI CERTIFIED 2100

SPECIFICATIONS

FEATURES	
Duct Size	5"
Voltage	120V/60Hz
Wattage	57W
Amp	0.80A
Airflow	80CFM@50Pa
Fans	2 EC centrifugal fans

ENERGY RECOVERY CORE

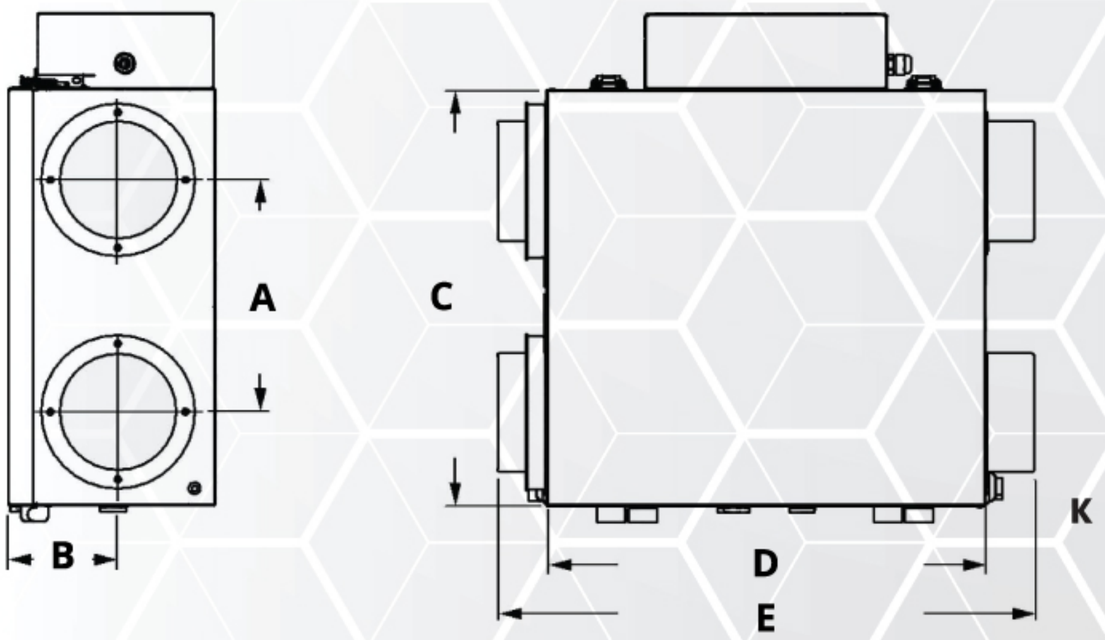
Graphene Modified Polymer Membrance Energy Recovery Core covered by a limited lifetime warranty. Core dimensions are 9 $^{27}/_{32}$ x 9 $^{27}/_{32}$ inches with a 7 $^{1}/_{64}$ inches depth.

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 theoutdoor 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

www.ortechindustries.ca

TF 1.888.543.6473

13376 Comber Way, Surrey, BC V3W 5V9

205 Summerlea Road, Brampton, Ontario

info@ortechindustries.com

604.543.6473

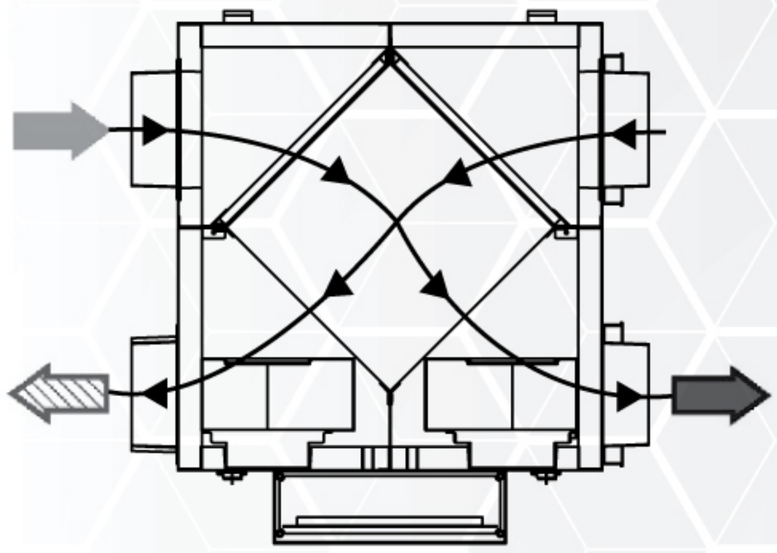
ORTECH

Product Specification Sheet

ENERGY RECOVERY VENTILATOR

ODD-ERV-80

AIRFLOW



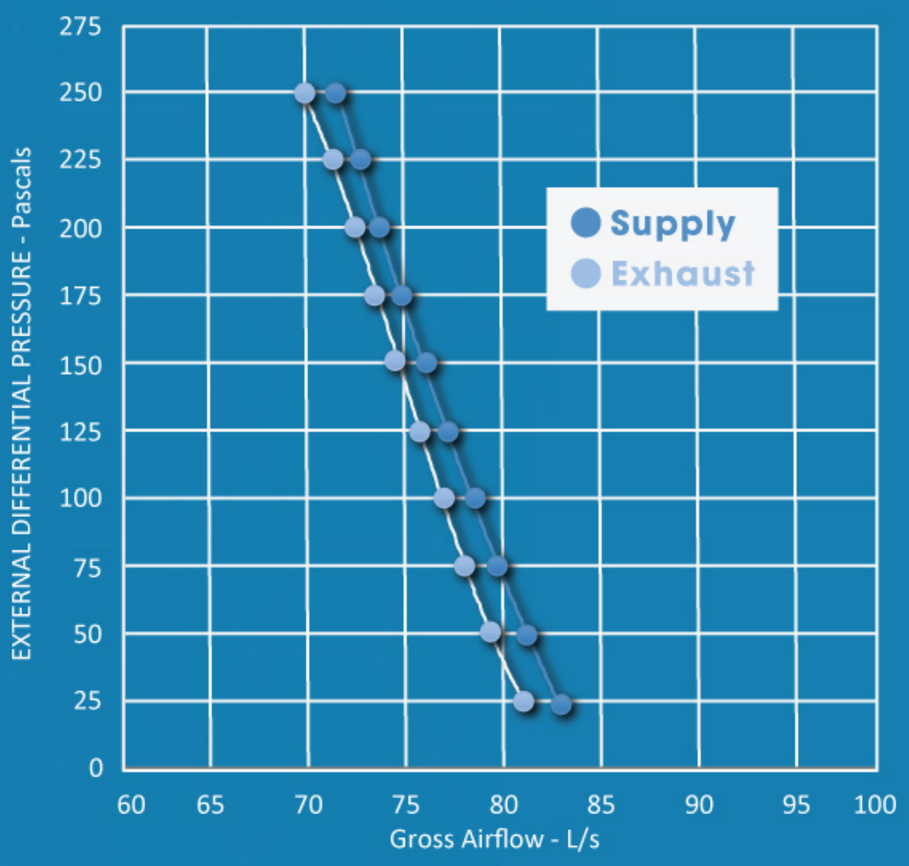
stale air from inside

stale air to outside

fresh air to inside

fresh air from outside

FAN CURVE



ENERGY PERFORMANCE

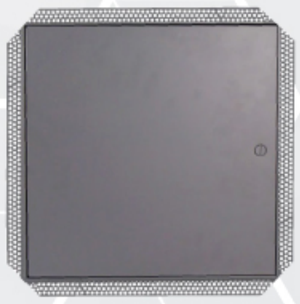
HEATING	SUPPLY TEMP.		NET AIRFLOW	AVERAGE POWER	SENSIBLE RECOVERY EFFICIENCY	ADJUSTED SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS (this data is not HVI certified)	NET MOISTURE TRANSFER
i	0°C	32°F	42cfm	42W	76	83	86	0.67
ii	0°C	32°F	53cfm	38W	74	79	81	0.62
iii	0°C	32°F	64cfm	34W	72	76	78	0.57

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	42cfm	42W	65	69	77	0.68

ACCESSORIES (sold separately)

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:

www.ortechindustries.ca
TF 1.888.543.6473
13376 Comber Way, Surrey, BC V3W 5V9
205 Summerlea Road, Brampton, Ontario
info@ortechindustries.com
604.543.6473