

# OMEGA VRF TECHNOLOGY

Engineered to elevate efficiency and comfort .....  
..... to the next level!

## ERVD / ERVB SERIES ENERGY RECOVERY VENTILATOR 50Hz

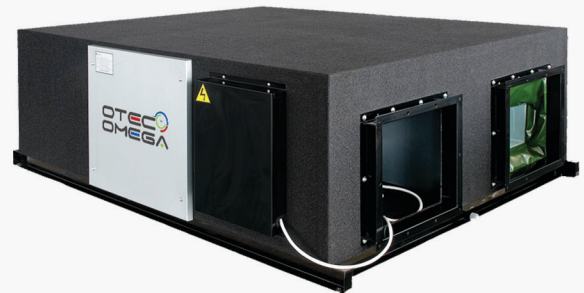
Air Flow Volume Min~Max: 115~1,175 CFM (200~2,000 m<sup>3</sup>/h)

### Product Features

- ✓ Fresh Air Supply Ventilation.
- ✓ Low Noise Design.
- ✓ Simultaneous Exhaust & Supply Air.
- ✓ Free Cooling via Outside Fresh Air.
- ✓ Energy & Costs Savings.
- ✓ Advanced Heat Exchange Core.
- ✓ Direct Drive 3-Speed on ERVD models.
- ✓ Belt Drive on ERVB models.
- ✓ Wired LCD Controller (Standard).
- ✓ VAECD Wired LCD Deluxe Controller (Optional).
- ✓ Air Filtration and Purge Function.
- ✓ Compatible with VRF Systems.
- ✓ Easy Installation & Maintenance
- ✓ Factory-Tested



ERVD



ERVB

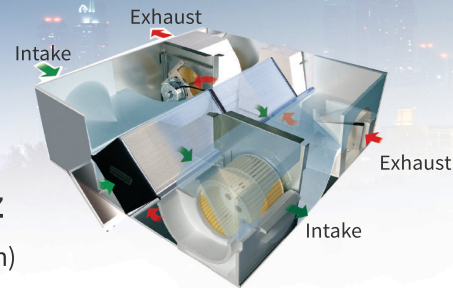


A Product of  
**OMEGA**  
Environmental  
Technologies LLC.

ISO 14001 ISO 9001

# OMEGA VRF TECHNOLOGY

Engineered to elevate efficiency and comfort .....  
..... to the next level!

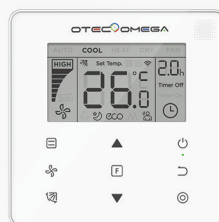


## ERV / ERVB SERIES ENERGY RECOVERY VENTILATOR 50Hz

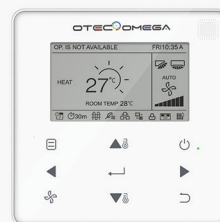
Air Flow Volume Min~Max: 115~1,175 CFM (200~2,000 m<sup>3</sup>/h)

### ENERGY RECOVERY VENTILATOR 50 HZ

MODEL NO.	ERV-	D010A 3N-DCN020	D015A 3N-DCN030	D020A 3N-DCN040	D030A 3N-DCN050	D050A 3N-DCN080	D060A 3N-DCN100	B090A 7N-DCN150	B120A 7N-DCN200	
Air Flow Volume	CFM (m <sup>3</sup> /hr) (Hi)	115 (200)	175 (300)	235 (400)	295 (500)	470 (800)	590 (1000)	880 (1500)	1175 (2000)	
External Static Pressure	in. W.G (Pa)	0.30 (75)	0.30 (75)	0.32 (80)	0.32 (80)	0.40 (100)	0.40 (100)	0.64 (160)	0.68 (170)	
Temperature Recovery Efficiency (%) (Hi)		55	55	55	55	55	55	55	55	
Enthalpy Recovery Efficiency (%) (Hi)	Cooling	50	50	50	50	50	50	50	50	
	Heating	55	55	60	60	60	60	60	60	
Electrical	Voltage-Phase	220~240V - 1Ph						380~415V - 3Ph		
	Frequency	50Hz								
	FLA	0.50	0.56	1.00	1.00	2.00	2.40	3.20	3.60	
	Input (W)	20	40	80	120	360	360	450	450	
Air Filter		Cleanable Cartridge Type								
Fan	Type	Centrifugal Fan								
	Speed	3 - Direct Drive						1 - Belt Drive		
	Qty	2	2	2	2	2	2	2	2	
	Noise Level Hi (db)	27	30	32	35	39	40	51	53	
Dimensions inches (mm)	Height	10 3/8 (264)	10 5/8 (270)	10 5/8 (270)	10 5/8 (270)	15 1/4 (388)	15 1/4 (388)	21 1/4 (540)	21 1/4 (540)	
	Width	25 3/4 (655)	28 3/8 (722)	36 1/2 (927)	40 3/8 (1026)	39 5/8 (1006)	49 1/2 (1256)	50 (1270)	57 7/8 (1470)	
	Length	34 1/8 (866)	37 1/8 (944)	37 1/8 (944)	40 7/8 (1038)	50 5/8 (1286)	50 5/8 (1286)	63 (1600)	65 (1650)	
Net Weight Lbs (kgs)		50.7 (23)	57.3 (26)	68.3 (31)	90.4 (41)	136.7 (62)	174.2 (79)	359.4 (163)	401.2 (182)	



Wired Controller  
VAECR-D001 (Standard)



Deluxe Wired Controller  
VAECD-D001 (Optional)

**Notes:** 1. Temperature Exchange and Enthalpy Exchange Efficiencies are based on:  
**Cooling:** Indoor air entering conditions DB 27°C (80°F), WB: 20°C (68°F), outdoor ambient temperature DB 35°C (95°F), WB: 29°C (84°F).  
**Heating:** Indoor air entering conditions DB 20°C (68°F), WB: 14°C (57°F), outdoor ambient temperature DB 5°C (41°F), WB: 2°C (36°F).

2. Sound power level will be according to ISO 5151, sound pressure calculated at 1m of distance.  
 3. For details of model number nomenclature, please refer to publication OMGNM-0920.

**OMEGA**  
ENVIRONMENTAL  
TECHNOLOGIES LLC.  
17702 Mitchell North, #101  
Irvine, CA 92614, USA  
Tel: 714 7952830  
Fax: 714 966 1649  
info@omegainverter.com  
www.omegainverter.com

**ISO 14001 ISO 9001**

**OTEC**  
AIR CONDITIONING  
Showroom & Technology Center  
11380 Interchange Circle North  
Miramar, FL 33025 - USA  
Tel: 305 731 2140, 888 840 7550  
Fax: 954 212 8280  
info@otecus.com  
www.otecus.com