

# OMEGA VRF TECHNOLOGY

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

## ERVA SERIES ENERGY RECOVERY VENTILATORS - 60Hz

Air Flow Volume Min~Max: 205~1,180 CFM (350~2,000 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.
- ✓ Advance Heat Exchange Core.
- ✓ Factory Tested.

### Indoor Unit Features

- ✓ Wired LCD Remote Control (Standard).
- ✓ BMS Interface of the Main Board (Standard).
- ✓ Optoelectronic Isolated Converter (Optional).
- ✓ Optoelectronic Isolated Signal Multiplier (Optional).
- ✓ Air Filtration and Purge Function.
- ✓ Complatible with VRF Systems.
- ✓ Easy Installation & Maintenance



OMEGA

OTEC  
AIR CONDITIONING

A Product of  
OMEGA  
Environmental  
Technologies LLC.

ISO 14001 ISO 9001

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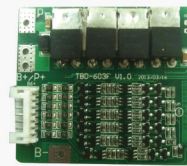
## ERVA SERIES ENERGY RECOVERY VENTILATORS - 60Hz

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ENERGY RECOVERY VENTILATION							
MODEL NO.	ERVA	020A 2N-RCN035	030A 2N-RCN050	050A 2N-RCN080	060A 2N-RCN100	090A 4N-RCN150	120A 4N-RCN200
Air Flow Volume	CFM (m <sup>3</sup> /hr) (Hi)	205 (350)	295 (500)	470 (800)	590 (1000)	885 (1500)	1180 (2000)
External Static Pressure	in. W.G (Pa)	0.40 (100)	0.40 (100)	0.44 (110)	0.44 (110)	0.60 (150)	0.60 (150)
Temperature Recovery Efficiency (%) (Hi)		71	68	70	75	73	71
Enthalpy Recovery Efficiency (%) (Hi)	Cooling	61	57	60	62	60	58
	Heating	65	62	63	66	65	62
Electrical	Voltage-Phase	220/240-1				220/240-3	
	Frequency	60Hz					
	FLA	0.75	1.19	1.82	1.99	1.58	2.50
	Input (W)	165	262	400	440	600	950
Air Filter		Cleanable Cartridge Type					
Fan	Type	Centrifugal Fan					
	Speed	3-Speed				1-Speed	
	Qty	2	2	2	2	2	2
	Noise Level Hi (db)	37	39	45	46	48	50
Dimensions inches (mm)	Height	12 (306)	12 (306)	15 (380)	15 (380)	17 3/4 (452)	17 3/4 (452)
	Width	31 1/2 (800)	31 1/2 (800)	32 3/4 (832)	32 3/4 (832)	47 5/8 (1210)	47 5/8 (1210)
	Depth	34 5/8 (879)	34 5/8 (879)	40 (1016)	40 (1016)	47 7/8 (1215)	47 7/8 (1215)
Net Weight Lbs (kgs)		99.2 (45)	99.2 (45)	125.6 (57)	125.6 (57)	242.5 (110)	242.5 (110)



Wired Controller  
(Standard)



BMS Interface of the Main Board  
(Standard)

### Notes:

1. Temperature exchange efficiency and Enthalpy exchange efficiency are based on Enrgy Recovery Ventilation, Cooling efficiency 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 efficiency 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-0315.