

OMEGA Energy Recovery Ventilator

SUBMITTAL DATA

220-240V/1/50Hz

Job: _____
 Location: _____
 Schedule No.: _____
 System Designation: _____

Engineer: _____
 Architect: _____
 Date: _____
 For: Reference Approval Review Construction

FEATURES

- Fresh Air Supply Ventilation
- Low Noise Design
- Energy & Cost Savings
- Advanced Heat Exchange Core
- Simultaneous Exhaust & Supply Air
- Free Cooling via Outside Fresh Air



1. Specifications

ERVD(V) Energy Recovery Ventilator



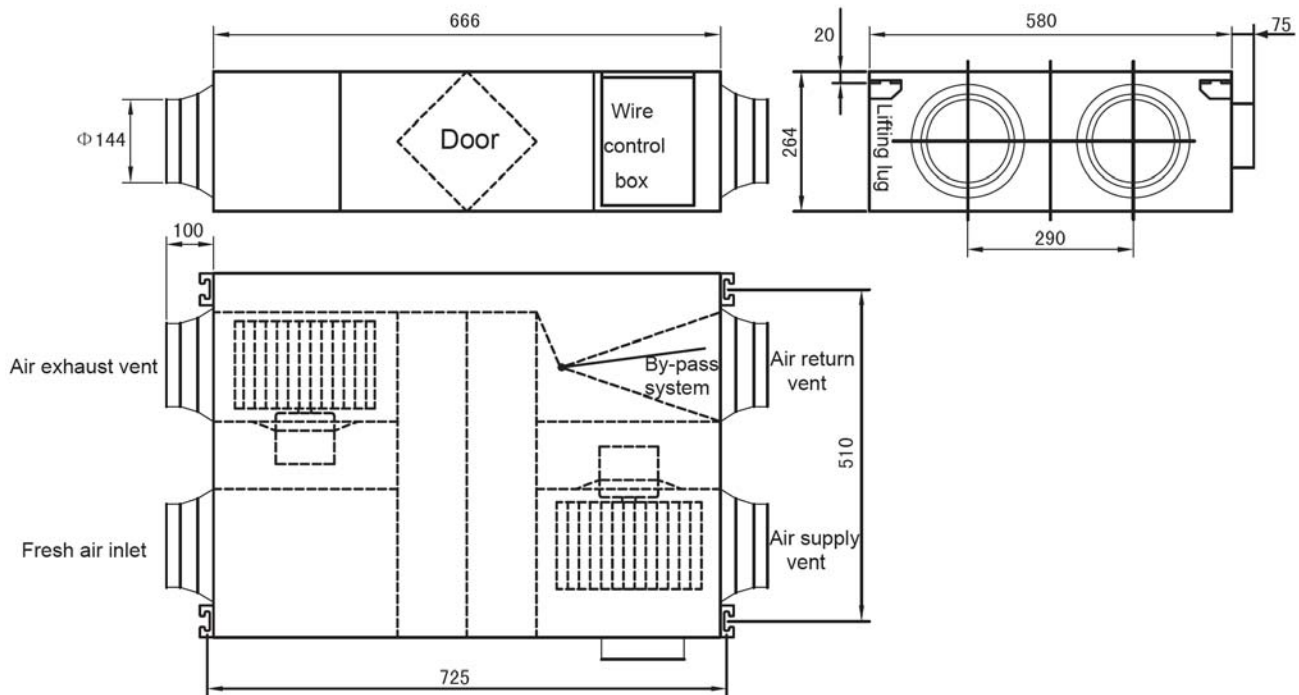
ENERGY RECOVERY VENTILATOR 50 HZ

MODEL NO.	ERV-	D010A	D015A	D020A	D030A	D050A	D060A	B090A	B120A
		3N-DCN020	3N-DCN030	3N-DCN040	3N-DCN050	3N-DCN080	3N-DCN100	7N-DCN150	7N-DCN200
Air Flow Volume	CFM (m³/hr) (Hi)	115 (200)		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							
	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)

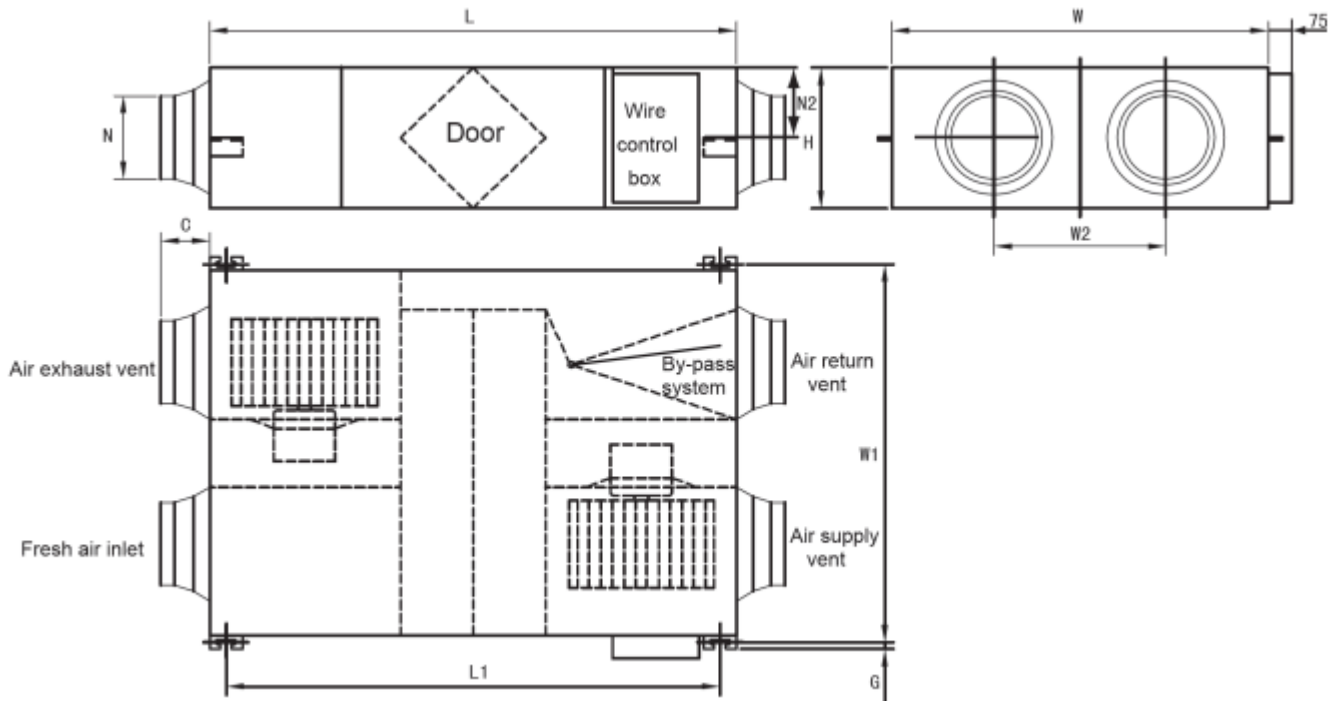
2. Dimensional Drawings

Unit:mm

ERVD010



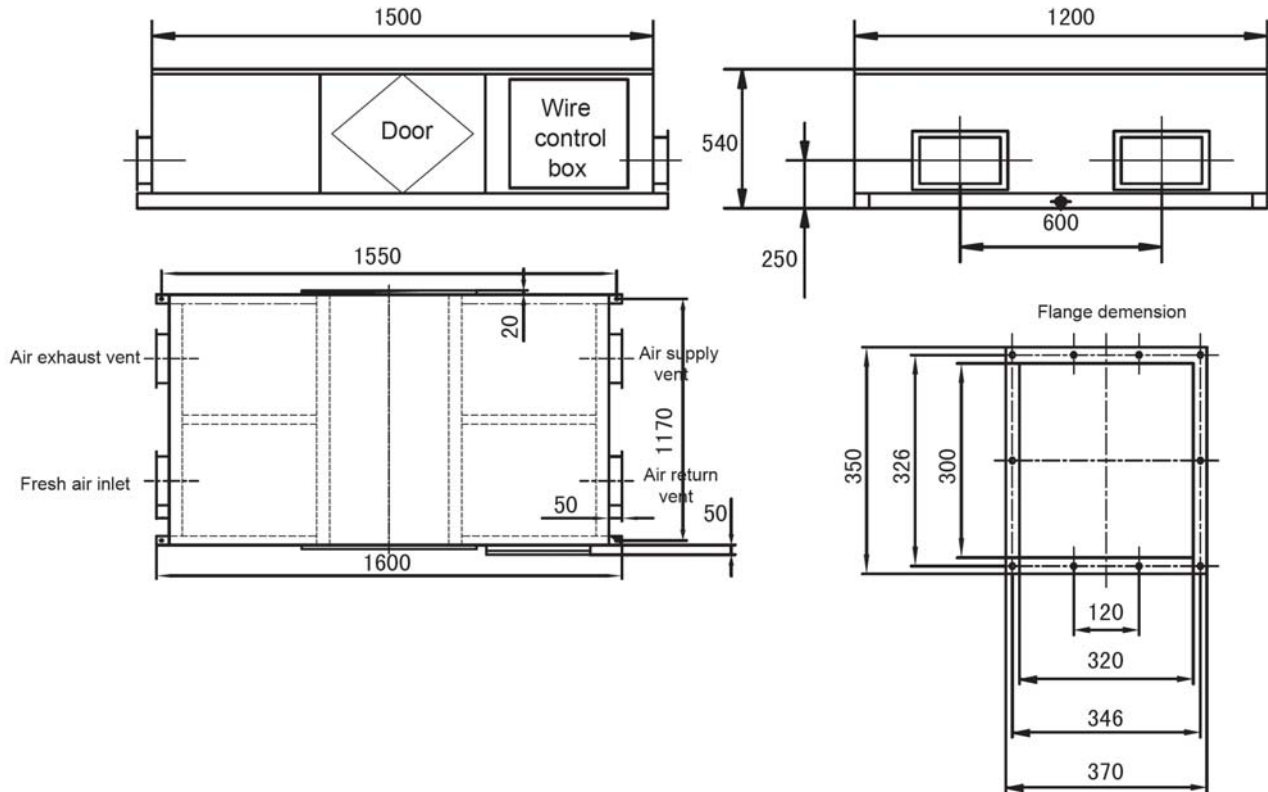
ERVD015, ERVD020, ERVD030, ERVD050, ERVD060



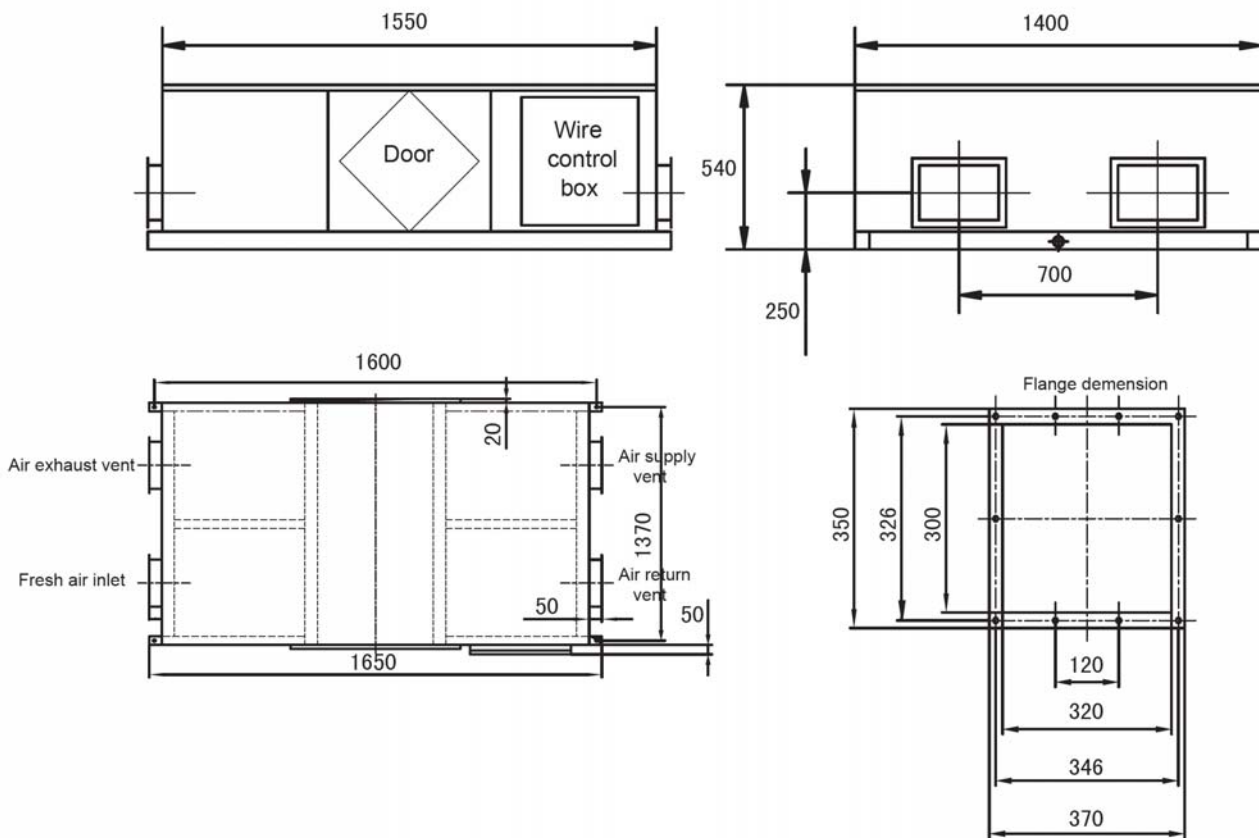
Model	L	L1	W	W1	W2	H	C	G	N	N2
ERVD015A3N	744	675	599	657	315	270	100	19	Φ144	111
ERVD020A3N	744	675	804	862	480	270	100	19	Φ144	111
ERVD030A3N	824	754	904	960	500	270	107	19	Φ194	111
ERVD050A3N	1116	1045	884	940	428	388	85	19	Φ242	170
ERVD060A3N	1116	1045	1134	1190	678	388	85	19	Φ242	170

Dimensional Drawings

ERVB090A3N-DCN150



ERVB120A3N-DCN200



Dimensional Drawings

9. Electric Characteristics

Model	Indoor Unit				Power Supply		IFM	
	Hz	Voltage	Min.	Max.	MCA	MFA	KW	FLA
ERVD010A3N-DCN020	50	220	198	242	0.625	15	0.02	0.5
ERVD015A3N-DCN030	50	220	198	242	0.7	15	0.04	0.56
ERVD020A3N-DCN040	50	220	198	242	1.25	15	0.08	1
ERVD020A3N-DCN050	50	220	198	242	1.25	15	0.12	1
ERVD050A3N-DCN080	50	220	198	242	2.5	15	0.36	2
ERVB060A3N-DCN100	50	220	198	242	3	15	0.36	2.4
ERVB090A3N-DCN150	50	380	342	418	4	15	0.9	3.2
ERVB120A3N-DCN200	50	380	342	418	4.5	15	1.1	3.6

Note:

- MCA: Min. Current Amps. (A)
- MFA: Max. Fuse Amps. (A)
- FLA: Full Load Amps. (A)
- KW: Rated Motor Input (kW)
- IFM: Indoor Fan Motor