

PRODUCT SPECIFICATION

FBA - Single Phase



FBA50BAVMA
FBA60BAVMA
FBA71BVMA



FBA85BVMA
FBA100BVMA
FBA125BVMA
FBA140BVMA



RZAV50CV1
RZAV60CV1
RZAC71CV1



RZAV71CV1
RZAV85CV1
RZAC85CV1



RZAV100FV1
RZAV125FV1
RZAV140FV1

SERIES			PREMIUM INVERTER							INVERTER				
INDOOR UNIT			FBA50BAVMA	FBA60BAVMA	FBA71BVMA	FBA85BVMA	FBA100BVMA	FBA125BVMA	FBA140BVMA	FBA71BVMA	FBA85BVMA			
OUTDOOR UNIT			RZAV50CV1	RZAV60CV1	RZAV71CV1	RZAV85CV1	RZAV100FV1	RZAV125FV1	RZAV140FV1	RZAC71CV1	RZAC85CV1			
Power Supply		Indoor/Outdoor	1 Phase, 220-240V, 50Hz											
Rated Capacity (Capacity Range)		Cool (kW)	5.0 (1.4-6.0)	6.0 (1.4-7.1)	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (3.5-11.5)	12.5 (3.5-14.0)	14.0 (3.5-15.0)	7.1 (1.8-8.0)	8.5 (3.2-10.0)			
		Heat (kW)	6.0 (1.4-7.1)	7.1 (1.4-8.0)	8.0 (3.5-9.0)	10.0 (4.1-11.2)	12.0 (3.5-14.0)	15.0 (3.5-16.5)	16.5 (3.5-18.0)	8.0 (2.0-9.0)	10.0 (3.5-11.2)			
Power consumption		Cool (kW) / Heat (kW)	1.37 / 1.41	1.67 / 1.71	2.02 / 1.99	2.30 / 2.50	2.79 / 2.92	3.68 / 3.88	4.28 / 4.52	2.15 / 2.30	2.64 / 2.95			
E.E.R		Cool(kW)	3.65	3.60	3.51	3.70	3.58	3.40	3.27	3.30	3.22			
C.O.P		Heat (kW)	4.26	4.14	4.02	4.00	4.11	3.87	3.65	3.47	3.39			
AEER		Cool (kW)	3.52	3.48	3.43	3.62	3.52	3.36	3.23	3.22	3.16			
ACOP		Heat (kW)	4.10	4.03	3.93	3.92	4.04	3.82	3.61	3.40	3.34			
TCSPF (Cooling) Commercial / Residential		Hot	5.07 / 4.64	4.98 / 4.59	4.88 / 4.52	5.18 / 4.80	6.46 / 5.55	5.64 / 5.04	5.50 / 4.90	4.51 / 4.18	4.67 / 4.33			
		Average	4.95 / 3.90	4.90 / 3.94	4.85 / 3.99	5.16 / 4.27	6.91 / 4.91	6.22 / 4.63	6.09 / 4.53	4.47 / 3.69	4.70 / 3.88			
		Cold	5.18 / 3.86	5.15 / 3.94	5.12 / 4.02	5.46 / 4.33	8.00 / 5.06	7.00 / 4.78	6.88 / 4.69	4.71 / 3.71	4.99 / 3.96			
HSPF (Heating) Commercial / Residential		Hot	5.01 / 5.01	4.94 / 4.94	4.49 / 4.49	4.64 / 4.64	5.61 / 5.57	5.38 / 5.32	5.35 / 5.24	3.95 / 3.96	4.25 / 4.24			
		Average	4.74 / 4.57	4.66 / 4.47	4.27 / 4.14	4.41 / 4.27	5.14 / 4.75	4.90 / 4.49	4.84 / 4.35	3.79 / 3.68	4.00 / 3.83			
		Cold	4.34 / 4.11	4.22 / 3.96	3.91 / 3.71	4.06 / 3.86	4.61 / 4.18	4.32 / 3.88	4.25 / 3.77	3.55 / 3.42	3.70 / 3.49			
Indoor Unit	Fan airflow rate (H / M / L)	ℓ/s	300 / 250 / 208		383 / 325 / 267		533 / 450 / 375		600 / 508 / 417		383 / 325 / 267	533 / 450 / 375		
		m³/min	18.0 / 15.0 / 12.5		23.0 / 19.5 / 16.0		32.0 / 27.0 / 22.5		36.0 / 30.5 / 25.0		23.0 / 19.5 / 16.0	32.0 / 27.0 / 22.5		
	Fan external static pressure	Rated 50 (50-150)												
	Sound pressure level (H / M / L)	dBA	35.0 / 33.0 / 31.0		38.0 / 35.0 / 33.0		38.0 / 35.5 / 33.0		40.0 / 37.5 / 35.0		38.0 / 35.0 / 33.0	38.0 / 35.5 / 33.0		
	Sound power level (H)	dBA	63		66		68		66					
	Dimensions (HxWxD)	mm	245x1,000x800				245x1,400x800				245X1,000X800	245X1,400X800		
	Machine weight	kg	37				47				37	47		
Certified Operation Range		Cool (°CWB) / Heat (°CDB)	14 to 25 / 15 to 27											
Outdoor Unit	Compressor	Type	Hermetically sealed swing type											
		Motor output (kW)	1.30		2.40		3.30		3.30		1.30	2.40		
	Refrigerant charge (R-32)	kg	1.35 (Charged for 30m)		2.60 (Charged for 30m)		2.90 (Charged for 30m)		3.20 (Charged for 40m)		3.70 (Charged for 40m)	1.70 (Charged for 30m)	2.60 (Charged for 30m)	
			48/51		48/50		52/53		49/50		50/51	52/53	48/51	51/54
	Sound pressure level	Night quiet mode (dBA)		44		48		45		46		48	44	47
		Sound power level	dBA	68		67		71		68		-		68
	Dimensions (HxWxD)	mm	595x845x300		990x940x320		870x1,100x460		595x845x300		990X940X320			
Machine weight	kg	45		69		78		95		45		69		
Certified Operation Range		Cool (°CDB) / Heat (°CWB)	-5 to 50 / -15 to 15.5									-5 to 46 / -15 to 15.5		
Piping connections - Drain		Liquid (Flare) / Gas (Flare)	Ø 6.4 / Ø 12.7		Ø 9.5 / Ø 15.9									
		Indoor unit (mm)	VP25 (I.D Ø25 x O.D Ø32)											
		Outdoor unit (mm)	Ø 26.0 (Hole)											
Max. interunit piping length		m	50 (Equivalent length 70)		75 (Equivalent length 90)		85 (Equivalent length 100)		50 (Equivalent length 70)					
Max. installation level difference		m	30											

Notes:

- The Rated Capacity, Power Input and Running Current are measured in accordance with AS/NZS 3823.1.2
Cooling: Indoor temp: 27°CDB/19°CWB, Outdoor temp: 35°CDB/24°CWB
Heating: Indoor temp: 20°CDB/15°CWB, Outdoor temp: 7°CDB/6°CWB
- Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions
- TCSPF: Total Cooling Seasonal Performance Factor & HSPF: Heating Seasonal Performance Factor as defined under Energy Efficiency (Energy Using Products) Amendment Regulations 2020.
- R32 ducted indoor units must be installed in the ceiling space, it is not to be installed under floor