

PRODUCT SPECIFICATION

Premium Inverter - Single Phase



FDMA71AV1A



FDMA85AV1A
FDMA100AV1A
FDMA125AV1A
FDMA140AV1A



RZAV71CV1
RZAV85CV1



RZAV100FV1
RZAV125FV1
RZAV140FV1

INDOOR UNIT			FDMA71AV1A	FDMA85AV1A	FDMA100AV1A	FDMA125AV1A	FDMA140AV1A	
OUTDOOR UNIT			RZAV71CV1	RZAV85CV1	RZAV100FV1	RZAV125FV1	RZAV140FV1	
Power Supply			1 Phase, 200-240V, 50Hz					
Rated Capacity (Capacity Range)		Cool (kW) (Min. - Max.)	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 (3.5-16.0)	
		Heat (kW) (Min. - Max.)	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)	
Power consumption		Cool (kW) / Heat (kW)	2.25 / 2.30	2.29 / 2.52	2.79 / 3.11	3.77 / 4.05	4.46 / 4.78	
E.E.R		Cool (kW / kW)	3.15	3.71	3.58	3.32	3.14	
C.O.P		Heat (kW / kW)	3.48	3.97	3.86	3.70	3.45	
AEER		Cool (kW)	3.09	3.64	3.52	3.28	3.11	
ACOP		Heat (kW)	3.19	3.95	3.80	3.66	3.42	
TCSPF (Cooling) Commercial / Residential		Hot	4.83 / 4.44	5.23 / 4.84	6.60 / 5.65	5.79 / 5.16	5.64 / 5.05	
		Average	4.87 / 3.92	5.21 / 4.31	7.08 / 4.99	6.40 / 4.72	6.35 / 4.66	
		Cold	5.19 / 4.01	5.51 / 4.36	8.22 / 5.15	7.23 / 4.91	7.22 / 4.90	
HSPF (Heating) Commercial / Residential		Hot	4.53 / 4.51	4.64 / 4.64	5.46 / 5.42	5.22 / 5.15	5.20 / 5.07	
		Average	4.17 / 3.90	4.38 / 4.21	4.97 / 4.55	4.76 / 4.34	4.69 / 4.18	
		Cold	3.75 / 3.44	3.95 / 3.70	4.40 / 3.95	4.22 / 3.79	4.13 / 3.65	
Indoor Unit	Airflow rate (H / M / L)	ℓ/s	300 / 275 / 250		533 / 458 / 383		650 / 558 / 467	
		m³/min	18 / 16.5 / 15.0		32.0 / 27.5 / 23.0		39.0 / 33.5 / 28.0	
	External Static Pressure	Pa	Rated 50 (50-200)					
	Sound pressure level (H / M / L)	dB(A)	37.0 / 34.5 / 32.0		38 / 35.5 / 33.0		40.0 / 38.0 / 36.0	
	Sound power level (H)	dB(A)	54		55		57	
	Dimensions (HxWxD)	mm	300x1,000x700		300x1,400x700			
	Weight	kg	36		46			
	Certified Operation Range	Cool (°CWB) / Heat (°CDB)	14 to 25 / 15 to 27					
Outdoor Unit	Compressor	Type	Hermetically sealed swing type					
		Motor output (kW)	2.4	3.3				
	Refrigerant charge (R-32)	kg	2.6 (Charged for 30m)	2.9 (Charged for 30m)	3.2 (Charged for 40m)	3.7 (Charged for 40m)		
	Sound pressure level	Cool (dBA) / Heat (dBA)	48 / 50		52 / 53	49 / 50	50 / 51	52 / 53
		Night quiet mode (dBA)	44		48	45	46	48
	Sound power level	dB(A)	67		71	68	-	
	Dimensions (HxWxD)	mm	990x940x320			870x1,100x460		
	Weight	kg	69	78	93	95		
	Certified Operation Range	Cool (°CDB) / Heat (°CWB)	-5 to 50 / -15 to 15.5					
Piping connections		Liquid (Flare) / Gas (Flare)	Ø 9.5 / Ø 15.9					
		Indoor unit drain (mm)	VP25 (I.D Ø25 x O.D Ø32)					
		Outdoor unit drain (mm)	Ø 26.0 (Hole)					
Max. interunit piping length		m	75 (Equivalent length 90)			85 (Equivalent length 100)		
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