

## Product Specification

# Premium Inverter - Single Phase

FDYA71A  
FDYA85A  
FDYA100A



FDYA125A



FDYA140A  
FDYA160A



RZAS71C  
RZAS85C



RZAS100C  
RZAS125C  
RZAS140C  
RZAS160C



INDOOR UNIT		FDYA71AV1	FDYA85AV1	FDYA100AV1	FDYA125AV1	FDYA140AV1	FDYA160AV1
OUTDOOR UNIT		RZAS71CV1	RZAS85CV1	RZAS100CV1	RZAS125CV1	RZAS140CV1	RZAS160CV1
Rated Capacity	Cool (kW)	7.1	8.5	10.0	12.5	14.0	16.0
	Heat (kW)	7.5	10.0	12.5	15.0	16.5	18.0
Capacity Range	Cool (kW)	3.2-8.0	4.0-10.0	5.0-11.2	5.0-14.0	5.0-16.0	7.3-17.0
	Heat (kW)	3.5-9.0	4.1-11.2	5.1-14.0	5.1-16.0	5.1-18.0	7.3-20.0
Power Input (Rated)	Cool (kW)	1.90	2.35	2.61	3.45	3.93	4.85
	Heat (kW)	1.75	2.46	3.13	3.80	4.28	4.65
E.E.R./C.O.P	C/H	3.74/4.29	3.62/4.07	3.83/3.99	3.62/3.95	3.56/3.86	3.30/3.87
TCSPF (Residential)	Hot/Average/Cold	5.21/4.52/4.58	4.90/4.32/4.39	4.69/4.23/4.27	4.57/4.18/4.26	5.00/4.55/4.69	4.77/4.38/4.56
HSPF (Residential)	Hot/Average/Cold	3.87/3.80/3.51	4.20/3.95/3.54	4.43/4.07/3.62	4.43/3.92/3.36	4.11/3.67/3.16	3.96/3.65/3.21
Airflow Rate (Nominal/Max)	l/s	425/566	580/600	680/800	755/840	900/1000	950/1120
Indoor Sound Level (H) @ 1.5m	dB(A) (C/H)	37.3/40.5	42.0/42.5	42.3/45.0	44.8/46.2	45.9/47.4	47.2/49.6
Piping Length	m	75					
Indoor Fan Speeds		H/M/L					
Dimensions (HxWxD)	Indoor (mm)	300x1210x900			360x1520x935	400x1505x980	
	Outdoor (mm)	990x940x320		1430x940x320			
Weight	Indoor (kg)	40	41	46	56	60	60
	Outdoor (kg)	69	78	93	93	93	99
Power Supply	V/Hz	1 Phase, 220-240V, 50Hz					
Compressor Type		Hermetically Sealed Swing Type					
Refrigerant		R32					
Pipe Sizes	Liquid (mm)	9.5 (Flared)					
	Gas (mm)	15.9 (Flared)					
	Drain (mm)	ID 25 / OD 32					
Supply Air Opening	mm (HxW, Flange)	185x852			245x1152	295x1152	
Return Air Opening	mm	1x400 (Oval)		2x350 (Oval)	2x400 (Oval)		
Outdoor Operating Range	Cool (°CDB)	-5 to 50					
	Heat (°CWB)	-15 to 16					
EPA Sound Power Level	dB(A)	67	71	70	71	73	75
Outdoor Sound Level (H) @ 1m	Pressure dB(A) (C/H)	48/50	52/53	51/53	52/54	54/56	56/58

### Notes:

i. 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

ii. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions

iii. TCSPF: Total Cooling Seasonal Performance Factor & HSPF: Heating Seasonal Performance Factor as defined under GEMS 2019 Determination

iv. R32 ducted indoor units must be installed in the ceiling space, it is not to be installed under floor

## Product Specification

# Inverter - Single Phase



INDOOR UNIT		FDYAN50AV1	FDYAN60AV1	FDYAN71AV1	FDYAN85AV1	FDYAN100AV1	FDYAN125AV1	FDYAN140AV1	FDYAN160AV1	
OUTDOOR UNIT		RZA50CV1	RZA60CV1	RZA71CV1	RZA85CV1	RZA100CV1	RZA125CV1	RZA140CV1	RZA160CV1	
Rated Capacity	Cool (kW)	5.0	6.0	7.1	8.5	10.0	12.5	14.0	15.5	
	Heat (kW)	6.0	7.0	7.5	10.0	12.5	15.0	16.5	18.0	
Capacity Range	Cool (kW)	1.4-6.0	1.4-7.1	1.8-8.0	3.2-10.0	3.2-11.2	4.0-14.0	5.0-16.0	7.3-16.3	
	Heat (kW)	1.4-7.1	1.4-8.0	2.0-9.0	3.5-11.2	3.5-14.0	4.1-16.0	5.1-18.0	7.3-18.2	
Power Input (Rated)	Cool (kW)	1.35	1.78	2.20	2.53	3.10	3.94	4.30	4.95	
	Heat (kW)	1.62	1.95	1.93	2.80	3.35	4.00	4.50	4.90	
E.E.R./C.O.P	C/H	3.70/3.70	3.37/3.59	3.23/3.89	3.36/3.57	3.23/3.73	3.17/3.75	3.26/3.67	3.13/3.67	
T.C.S.P.F (Residential)	Hot/Average/ Cold	4.43/3.74/3.68	4.36/3.77/3.78	4.43/3.88/3.94	4.29/3.85/3.90	4.28/3.88/3.97	4.26/3.91/4.02	4.19/3.87/3.97	4.05/3.76/3.87	
H.S.P.F (Residential)	Hot/Average/ Cold	4.51/4.02/3.49	4.46/3.76/3.15	4.17/3.85/3.41	3.97/3.67/3.32	3.85/3.48/3.04	4.31/3.31/2.77	3.90/3.51/3.05	3.87/3.53/3.12	
Airflow Rate (Nominal/Max)	l/s	315/370	340/400	425/566	580/600	680/800	755/840	900/1000	950/1120	
Indoor Sound Level (H) @1.5m	dB(A) (C/H)	33.3/35.0	34.1/35.9	37.3/40.5	42.0/42.4	43.5/45.8	44.2/45.5	46.6/47.9	47.9/50.7	
Piping Length	m	50								
Indoor Fan Speeds		H/M/L								
Dimensions (HxWxD)	Indoor (mm)	300x1210x900					360x1520x935			
	Outdoor (mm)	595x845x300			990x940x320			1430x940x320		
Weight	Indoor (kg)	37	37	40	40	45	55	55	56	
	Outdoor (kg)	45	45	45	69	69	78	93	99	
Power Supply	V/Hz	1 Phase, 220-240V, 50Hz								
Compressor Type		Hermetically Sealed Swing Type								
Refrigerant		R32								
Pipe Sizes	Liquid (mm)	6.4 (Flare)			9.5 (Flare)					
	Gas (mm)	12.7 (Flare)			15.9 (Flare)					
	Drain (mm)	ID 25 / OD 32								
Supply Air Opening	mm (HxW, Flange)	185x852					245x1152			
Return Air Opening	mm	1x400 (Oval)				2x350 (Oval)		2x400 (Oval)		
Outdoor Operating Range	Cool (°CDB)	-5 to 46								
	Heat (°CWB)	-15 to 16								
EPA Sound Power Level	dB(A)	68	68	68	70	71	72	73	75	
Outdoor Sound Level (H) @1m	Pressure dB(A) (C/H)	48/51	48/51	48/51	51/54	52/54	53/56	54/56	56/58	

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