

# PRODUCT SPECIFICATION

## Premium Inverter - Single Phase



FDYA71AV1(9)  
FDYA85AV1(9)  
FDYA100AV1(9)



FDYA125AV1(9)



FDYA140AV1(9)  
FDYA160AV1(9)



RZAS71CV1  
RZAS85CV1



RZAS100CV1  
RZAS125CV1  
RZAS140CV1  
RZAS160CV1

INDOOR UNIT		FDYA71AV1(9)	FDYA85AV1(9)	FDYA100AV1(9)	FDYA125AV1(9)	FDYA140AV1(9)	FDYA160AV1(9)
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	Cool/Heat	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	4.63/4.23/4.27	4.96/4.48/4.61	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	380/800	755/840	900/1000	950/1120
Indoor Sound Level (H) @ 1.5m	dBA (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 (Oval)	1x400 (Oval)		2x350 (Oval)	2x400 (Oval)		
Outdoor Operating Range	Cool (°CDB)	-5 to 50					
	Heat (°CWB)	-15 to 16					
EPA Sound Power Level	dBA	67	71	70	71	73	75
Outdoor Sound Level (H) @ 1m	Pressure dBA (C/H)	48/50	52/53	51/53	52/54	54/56	56/58

### 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

# PRODUCT SPECIFICATION

## Premium Inverter - Three Phase



FDYQ180LCV1  
FDYQ200LCV1  
FDYQ250LCV1



RZYQ7TAY1  
RZYQ8TAY1  
RZYQ10TAY1

INDOOR UNIT		HEATING FOCUS		
		FDYQ180LCV1	FDYQ200LCV1	FDYQ250LCV1
OUTDOOR UNIT		RZYQ7TAY1	RZYQ8TAY1	RZYQ10TAY1
Rated Capacity	Cool (kW)	18.0	20.0	24.0
	Heat (kW)	20.0	22.4	26.8
Capacity Range	Cool (kW)	9.0-20.0	10.0-22.4	11.7-24.0
	Heat (kW)	10.0-22.4	11.2-25.0	13.4-26.8
Power Input (Rated)	Cool (kW)	5.61	6.08	7.47
	Heat (kW)	5.81	6.17	8.14
E.E.R./C.O.P	Cool/Heat	3.21/3.44	3.29/3.63	3.21/3.29
TCSPF (Residential)	Hot/Average/Cold	3.79/3.23/3.19	3.86/3.32/3.29	3.97/3.48/3.48
HSPF (Residential)	Hot/Average/Cold	3.21/3.15/3.0	3.42/3.35/3.20	3.60/3.37/3.15
Airflow Rate (Nominal/Max)	l/s	1160/1200	1200/1300	1400/1600
Indoor Sound Level (H) @ 1.5m	dBA (C/H)	45.0/45.0	44.0/44.0	46.0/46.0
Piping Length	(m)	165		
Indoor Fan Speeds		H/M/L		
Dimensions (HxWxD)	Indoor (mm)	470x1200x997	470x1400x997	
	Outdoor (mm)	1657x930x765		
Weight	Indoor (kg)	70	79	85
	Outdoor (kg)	185	185	200
Power Supply	V/Hz	3 Phase, 380-415V, 50Hz		
Compressor Type		Hermetically Sealed Scroll Type		
Refrigerant		R410A		
Pipe Sizes	Liquid (mm)	9.5 (Brazed)		
	Gas (mm)	19.1 (Brazed)		22.2 (Brazed)
	Drain (mm)	BSP 3/4 inch Internal Thread		
Supply Air Opening	mm (HxW, Flange)	350x918	350x1118	
Return Air Opening	mm (Oval)	393x918 (Flange)	393x1118 (Flange)	
Outdoor Operating Range	Cool (°CDB)	-5 to 49		
	Heat (°CWB)	-20 to 16		
EPA Sound Power Level	dBA	76	76	78
Outdoor Sound Level (H) @ 1m	Pressure dBA (C/H)	56/56	56/56	57/57

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