

Product Specification

Premium Inverter - Three Phase

RZYQ7T
RZYQ8T
RZYQ10T
RZYQ7TA
RZYQ8TA
RZYQ10TA

FDYQ180LC
FDYQ200LC
FDYQ250LC



		HEATING FOCUS OPTION					
INDOOR UNIT		FDYQ180LCV1	FDYQ200LCV1	FDYQ250LCV1	FDYQ180LCV1	FDYQ200LCV1	FDYQ250LCV1
OUTDOOR UNIT		RZYQ7TY1	RZYQ8TY1	RZYQ10TY1	RZYQ7TAY1	RZYQ8TAY1	RZYQ10TAY1
Rated Capacity	Cool (kW)	18.0	20.0	24.0	18.0	20.0	24.0
	Heat (kW)	20.0	22.4	26.8	20.0	22.4	26.8
Capacity Range	Cool (kW)	9.0-20.0	10.0-22.4	11.7-24.0	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	10.0-22.4	11.2-25.0	13.4-26.8
Power Input (Rated)	Cool (kW)	5.61	6.08	7.47	5.61	6.08	7.47
	Heat (kW)	5.81	6.17	8.14	5.81	6.17	8.14
E.E.R./C.O.P	C/H	3.21/3.44	3.29/3.63	3.21/3.29	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	-	-	-	3.21/3.15/3.02	3.42/3.35/3.20	3.60/3.37/3.15
Airflow Rate (Nominal/Max)	l/s	1160/1200	1200/1300	1400/1600	1160/1200	1200/1300	1400/1600
Indoor Sound Level (H) @1.5m	dB(A) (C/H)	45.0/45.0	44.0/44.0	46.0/46.0	45.0/45.0	44.0/44.0	46.0/46.0
Piping Length	m	150			165		
Indoor Fan Speeds		H/M/L					
Dimensions (HxWxD)	Indoor (mm)	470x1200x997	470x1400x997		470x1200x997	470x1400x997	
	Outdoor (mm)	1657x930x765					
Weight	Indoor (kg)	70	79	85	70	79	85
	Outdoor (kg)	192	192	203	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)	19.1 (Brazed)		22.2 (Brazed)
	Drain (mm)	BSP 3/4 inch Internal Thread			BSP 3/4 inch Internal Thread		
Supply Air Opening	mm (HxW, Flange)	350x918	350x1118		350x918	350x1118	
Return Air Opening	mm	393x918 (Flange)	393x1118 (Flange)		393x918 (Flange)	393x1118 (Flange)	
Outdoor Operating Range	Cool (°CDB)	-5 to 49					
	Heat (°CWB)	-20 to 16					
EPA Sound Power Level	dB(A)	-	-	-	76	76	78
Outdoor Sound Level (H) @1m	Pressure dB(A) (C/H)	56/56	56/56	57/57	56/56	56/56	57/57

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

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Inverter - Three Phase



INDOOR UNIT		FDYAN71AV1	FDYAN85AV1	FDYAN100AV1	FDYAN125AV1	FDYAN140AV1	FDYAN160AV1	FDYQN180LCV1	FDYQN200LCV1	FDYQN250LBV1	
OUTDOOR UNIT		RZA71CY1	RZA85CY1	RZA100CY1	RZA125CY1	RZA140CY1	RZA160CY1	RZQ180MY1	RZQ200MY1	RZQ250LY1	
Rated Capacity	Cool (kW)	7.1	8.5	10.0	12.5	14.0	15.5	18.0	19.5	23.5	
	Heat (kW)	7.5	10.0	12.5	15.0	16.5	18.0	20.0	22.4	26.8	
Capacity Range	Cool (kW)	3.2-8.0	3.2-10.0	3.2-11.2	4.0-14.0	5.0-16.0	7.3-16.3	9.0-18.0	10.1-19.5	15.0-23.5	
	Heat (kW)	3.5-9.0	3.5-11.2	3.5-14.0	4.1-16.0	5.1-18.0	7.3-18.2	10.0-20.0	11.2-22.4	16.8-26.8	
Power Input (Rated)	Cool (kW)	2.20	2.53	3.10	3.94	4.30	4.95	5.82	6.11	7.85	
	Heat (kW)	1.93	2.80	3.35	4.00	4.50	4.90	6.11	6.85	8.47	
E.E.R./C.O.P	C/H	3.23/3.89	3.36/3.57	3.23/3.73	3.17/3.75	3.26/3.67	3.13/3.67	3.09/3.27	3.19/3.27	2.99/3.16	
TCSPF (Residential)	Hot/Average /Cold	4.44/3.92/4.00	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	3.61/3.15/3.13	3.57/3.14/3.11	3.73/3.41/3.46	
HSPF (Residential)	Hot/Average /Cold	4.17/3.90/3.55	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	3.23/2.95/2.61	3.25/2.97/2.63	3.41/3.08/2.72	
Airflow Rate (Nominal/Max)	l/s	425/566	580/600	680/800	755/840	900/1000	950/1120	1160/1200	1400/1600	1400/1600	
Indoor Sound Level (H) @1.5m	dBA (C/H)	37.3/40.5	42.0/42.4	43.5/45.8	44.2/45.5	46.6/47.9	47.9/50.7	45.0/45.0	46.0/46.0	49.5/49.5	
Piping Length	m	50									
Indoor Fan Speeds		H/M/L									
Dimensions (HxWxD)	Indoor (mm)	300x1210x900			360x1520x935			470x1200x997	470x1400x997	500x1430x970	
	Outdoor (mm)	990x940x320				1430x940x320					
Weight	Indoor (kg)	40	40	45	55	55	56	70	85	92	
	Outdoor (kg)	69	69	69	78	93	99	138	138	193	
Power Supply	V/Hz	3 Phase, 380-415V, 50Hz									
Compressor Type		Hermetically Sealed Swing Type						Hermetically Sealed Scroll Type			
Refrigerant		R32						R410A			
Pipe Sizes	Liquid (mm)	9.5 (Flare)						9.5 (Brazed)			
	Gas (mm)	15.9 (Flare)						19.1 (Brazed)		22.2 (Brazed)	
	Drain (mm)	ID 25/OD 32						BSP 3/4 inch Internal Thread			
Supply Air Opening	mm (HxW, Flange)	185x852			245x1152			350x918	350x1118	376x938	
Return Air Opening	mm	1x400 (Oval)		2x350 (Oval)		2x400 (Oval)		393x918 (Flange)	393x1118 (Flange)	350x1118 (Flange)	
Outdoor Operating Range	Cool (°CDB)	-5 to 46						-5 to 43			
	Heat (°CWB)	-15 to 16						-20 to 16			
EPA Sound Power Level	dBA	67	70	71	72	73	75	72	74	79	
Outdoor Sound Level (H) @1m	Pressure dBA (C/H)	48/50	51/54	52/54	53/56	54/56	56/58	57/58	58/59	57/58	

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