



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	3.18	4.07	5.12	6.34	7.77	9.42	10.15	11.30	12.35
30.0	3.04	3.93	4.96	6.16	7.55	9.15	9.86	11.00	12.00
35.0	2.83	3.71	4.72	5.88	7.21	8.74	9.41	10.50	11.45
40.0	2.60	3.48	4.47	5.59	6.88	8.35	8.99	10.00	10.95
45.0		3.21	4.20	5.29	6.53	7.94	8.56	9.54	10.40
50.0			3.86	4.94	6.15	7.51	8.10	9.05	9.89
55.0			3.45	4.52	5.70	7.02	7.59	8.50	9.31
60.0				4.00	5.16	6.45	7.00	7.88	8.65
65.0					4.50	5.76	6.30	7.15	7.90

50 Hz

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Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	1.46	1.46	1.44	1.43	1.40	1.38	1.36	1.34	1.32
30.0	1.56	1.56	1.55	1.54	1.52	1.48	1.48	1.46	1.44
35.0	1.74	1.73	1.72	1.71	1.70	1.67	1.66	1.64	1.62
40.0	1.92	1.92	1.92	1.90	1.88	1.86	1.85	1.83	1.81
45.0		2.14	2.13	2.12	2.10	2.07	2.06	2.04	2.02
50.0			2.38	2.37	2.35	2.32	2.30	2.28	2.26
55.0			2.69	2.67	2.64	2.60	2.59	2.56	2.54
60.0				3.02	2.99	2.95	2.93	2.90	2.87
65.0					3.40	3.36	3.34	3.30	3.27

Cond °C	Current at 230 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	7.20	7.16	7.12	7.05	6.95	6.82	6.76	6.65	6.55
30.0	7.61	7.58	7.54	7.48	7.40	7.28	7.22	7.11	7.01
35.0	8.33	8.31	8.27	8.22	8.14	8.03	7.97	7.87	7.78
40.0	9.14	9.11	9.07	9.02	8.94	8.83	8.77	8.68	8.59
45.0		10.05	10.00	9.94	9.85	9.73	9.68	9.58	9.48
50.0			11.12	11.03	10.93	10.80	10.74	10.63	10.53
55.0			12.47	12.37	12.24	12.09	12.01	11.90	11.79
60.0				13.99	13.83	13.65	13.56	13.43	13.31
65.0					15.76	15.54	15.44	15.29	15.15

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	18.55	23.40	29.10	35.60	43.20	51.70	55.50	61.50	66.80
30.0	18.15	23.10	28.80	35.40	42.80	51.30	55.10	61.00	66.20
35.0	17.55	22.70	28.50	35.00	42.50	50.90	54.50	60.40	65.60
40.0	16.80	22.20	28.10	34.70	42.10	50.50	54.10	59.90	65.10
45.0		21.40	27.50	34.30	41.70	50.10	53.70	59.50	64.60
50.0			26.60	33.50	41.10	49.50	53.10	58.90	64.00
55.0			24.90	32.20	40.00	48.50	52.20	58.00	63.10
60.0				30.00	38.10	46.90	50.60	56.50	61.70
65.0					35.20	44.40	48.20	54.30	59.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	8.03
Length/Width, mm	246/246
Height, mm	400
Net Weight, kg	28.5
Gross Weight, kg	30
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.24
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	57
Sound Power (HT), dBA	68
Sound Power with Sound Shell (HT), dBA	61
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Internal Free Volume, l	2.60
High Side PS gauge, bar	29.5
Low Side PS gauge, bar	20
Low Side TS Max., °C	50
Refrigerant's GWP	1810
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (220-240 V / 1~ / 50 Hz)

Maximum Operating Current, A	17.3
Locked Rotor Current, A	76
Winding Resistance, ohm	0.94/2.07 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Standard
Discharge Temperature Protection	Internal Thermodisk

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Single Phase Equipment	Run Capacitor

50 Hz

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MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
PFJ	220-240 V / 1~ / 50 Hz	230		PSC	1.00
PFJ	265 V / 1~ / 60 Hz	265		PSC	0.75