



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	2.85	3.56	4.40	5.38	6.52	7.83	8.41	9.34	10.15
30.0	2.74	3.45	4.27	5.23	6.34	7.62	8.18	9.08	9.89
35.0	2.57	3.28	4.08	5.00	6.07	7.29	7.83	8.69	9.45
40.0	2.38	3.09	3.88	4.78	5.80	6.97	7.49	8.31	9.04
45.0		2.88	3.66	4.54	5.53	6.65	7.14	7.93	8.63
50.0			3.39	4.26	5.22	6.30	6.78	7.53	8.20
55.0			3.06	3.92	4.86	5.91	6.37	7.09	7.74
60.0				3.50	4.43	5.45	5.89	6.59	7.21
65.0					3.90	4.91	5.34	6.01	6.62

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	1.22	1.21	1.20	1.18	1.16	1.14	1.13	1.11	1.10
30.0	1.30	1.30	1.29	1.28	1.26	1.24	1.23	1.21	1.19
35.0	1.45	1.45	1.44	1.43	1.42	1.40	1.38	1.36	1.35
40.0	1.62	1.61	1.60	1.60	1.58	1.56	1.55	1.53	1.52
45.0		1.80	1.80	1.78	1.76	1.74	1.73	1.72	1.70
50.0			2.01	2.00	1.98	1.96	1.94	1.92	1.90
55.0			2.27	2.26	2.23	2.20	2.19	2.17	2.15
60.0				2.57	2.54	2.50	2.49	2.46	2.44
65.0					2.90	2.86	2.84	2.81	2.78

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	5.98	5.95	5.91	5.86	5.77	5.66	5.60	5.51	5.42
30.0	6.34	6.32	6.29	6.23	6.16	6.05	6.00	5.91	5.82
35.0	6.97	6.95	6.92	6.87	6.80	6.70	6.65	6.57	6.49
40.0	7.67	7.65	7.61	7.57	7.49	7.40	7.35	7.27	7.19
45.0		8.46	8.42	8.36	8.29	8.18	8.13	8.05	7.97
50.0			9.38	9.31	9.22	9.11	9.05	8.96	8.88
55.0			10.56	10.47	10.36	10.22	10.16	10.06	9.97
60.0				11.87	11.74	11.58	11.51	11.39	11.29
65.0					13.41	13.22	13.14	13.01	12.89

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	16.65	20.50	25.00	30.20	36.20	43.00	46.00	50.80	55.00
30.0	16.40	20.30	24.80	30.00	36.00	42.70	45.70	50.40	54.60
35.0	15.95	20.00	24.60	29.80	35.70	42.40	45.40	50.00	54.10
40.0	15.40	19.70	24.40	29.60	35.50	42.20	45.10	49.70	53.80
45.0		19.15	24.00	29.40	35.30	42.00	44.80	49.40	53.50
50.0			23.30	28.80	34.90	41.60	44.40	49.00	53.10
55.0			22.10	27.90	34.10	40.90	43.80	48.40	52.40
60.0				26.20	32.70	39.70	42.60	47.30	51.40
65.0					30.50	37.80	40.80	45.60	49.80

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	6.83
Length/Width, mm	246/246
Height, mm	377
Net Weight, kg	25.4
Gross Weight, kg	29
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.12
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	54
Sound Power (HT), dBA	65
Sound Power with Sound Shell (HT), dBA	59
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	2.90
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	14.8
Locked Rotor Current, A	61
Winding Resistance, ohm	1.2/2.23 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

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