



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	2.13	2.71	3.38	4.15	5.03	6.02	6.45	7.13	7.73
30.0	2.06	2.62	3.28	4.04	4.90	5.87	6.30	6.96	7.55
35.0	1.92	2.47	3.11	3.84	4.68	5.62	6.03	6.68	7.25
40.0	1.79	2.31	2.93	3.64	4.45	5.36	5.76	6.38	6.93
45.0		2.15	2.74	3.43	4.21	5.10	5.48	6.08	6.61
50.0			2.54	3.21	3.96	4.81	5.18	5.76	6.28
55.0			2.32	2.96	3.69	4.51	4.87	5.43	5.93
60.0				2.70	3.40	4.19	4.53	5.07	5.55
65.0					3.09	3.85	4.17	4.69	5.15

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	0.98	0.98	0.98	0.97	0.96	0.94	0.93	0.91	0.89
30.0	1.05	1.04	1.04	1.03	1.02	1.01	1.00	0.98	0.97
35.0	1.18	1.16	1.16	1.15	1.14	1.13	1.12	1.11	1.10
40.0	1.32	1.30	1.29	1.28	1.28	1.27	1.26	1.25	1.24
45.0		1.46	1.44	1.44	1.42	1.41	1.40	1.39	1.38
50.0			1.63	1.61	1.59	1.58	1.56	1.56	1.54
55.0			1.84	1.82	1.78	1.76	1.76	1.74	1.73
60.0				2.05	2.02	1.98	1.98	1.96	1.94
65.0					2.29	2.24	2.23	2.20	2.18

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	4.75	4.76	4.76	4.74	4.69	4.60	4.55	4.45	4.36
30.0	5.04	5.04	5.04	5.02	4.98	4.91	4.87	4.79	4.70
35.0	5.58	5.56	5.54	5.52	5.49	5.43	5.40	5.34	5.27
40.0	6.21	6.15	6.11	6.08	6.04	5.99	5.96	5.91	5.86
45.0		6.85	6.77	6.72	6.67	6.61	6.58	6.53	6.48
50.0			7.56	7.47	7.39	7.31	7.28	7.23	7.18
55.0			8.50	8.35	8.24	8.13	8.09	8.03	7.98
60.0				9.41	9.24	9.10	9.04	8.96	8.90
65.0					10.43	10.23	10.16	10.06	9.97

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	12.45	15.60	19.20	23.30	27.90	33.10	35.30	38.80	41.80
30.0	12.30	15.40	19.05	23.20	27.80	33.00	35.20	38.60	41.70
35.0	11.95	15.10	18.75	22.90	27.60	32.70	35.00	38.40	41.50
40.0	11.55	14.75	18.45	22.60	27.30	32.50	34.70	38.20	41.30
45.0		14.30	18.00	22.20	26.90	32.10	34.40	37.90	41.00
50.0			17.45	21.70	26.50	31.70	34.00	37.50	40.60
55.0			16.80	21.10	25.90	31.20	33.50	37.00	40.20
60.0				20.30	25.10	30.50	32.80	36.40	39.60
65.0					24.10	29.60	31.90	35.60	38.80

### **COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, m³/h	5.34
Length/Width, mm	242/242
Height, mm	363
Net Weight, kg	22
Gross Weight, kg	26
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1
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	58
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	11.4
Locked Rotor Current, A	47
Winding Resistance, ohm	1.62/2.85 (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**

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