



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0
10.0	4.17	5.11	6.20				
15.0	4.00	4.90	5.94	7.15			
20.0	3.82	4.67	5.67	6.81	8.12		
25.0	3.63	4.44	5.37	6.46	7.70	9.11	
30.0	3.42	4.18	5.06	6.08	7.25	8.58	10.10
35.0	3.20	3.91	4.74	5.69	6.78	8.02	9.43
40.0	2.97	3.63	4.39	5.28	6.29	7.45	8.76
45.0	2.72	3.33	4.03	4.85	5.78	6.85	8.07
50.0	2.46	3.01	3.65	4.39	5.25	6.23	7.34
55.0	2.18	2.68	3.26	3.92	4.69	5.58	6.60
60.0		2.33	2.84	3.43	4.12	4.91	5.83

Cond °C	Power, kW						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0
10.0	0.90	0.90	0.90				
15.0	1.01	1.02	1.02	1.02			
20.0	1.14	1.14	1.14	1.14	1.14		
25.0	1.28	1.28	1.28	1.28	1.27	1.27	
30.0	1.43	1.44	1.43	1.43	1.42	1.42	1.40
35.0	1.61	1.61	1.61	1.60	1.60	1.58	1.57
40.0	1.81	1.81	1.80	1.80	1.79	1.78	1.76
45.0	2.04	2.04	2.03	2.02	2.01	2.00	1.98
50.0	2.29	2.29	2.29	2.28	2.26	2.24	2.22
55.0	2.58	2.58	2.57	2.56	2.54	2.52	2.49
60.0		2.90	2.89	2.88	2.86	2.83	2.80

Cond °C	Current at 230 V, A						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0
10.0	6.70	6.69	6.69				
15.0	6.95	6.95	6.95	6.96			
20.0	7.25	7.26	7.26	7.26	7.26		
25.0	7.60	7.61	7.61	7.61	7.60	7.60	
30.0	8.03	8.04	8.04	8.03	8.02	8.00	7.99
35.0	8.53	8.54	8.54	8.53	8.51	8.49	8.46
40.0	9.14	9.15	9.14	9.13	9.10	9.07	9.03
45.0	9.86	9.87	9.86	9.84	9.80	9.75	9.70
50.0	10.70	10.71	10.70	10.67	10.62	10.56	10.49
55.0	11.69	11.69	11.68	11.64	11.58	11.51	11.42
60.0		12.83	12.81	12.76	12.69	12.61	12.50

Cond °C	Suction Mass Flow, g/s						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0
10.0	23.60	29.00	35.50				
15.0	23.60	29.00	35.50	43.10			
20.0	23.60	29.00	35.40	43.00	51.80		
25.0	23.50	28.90	35.20	42.70	51.50	61.80	
30.0	23.30	28.70	35.00	42.40	51.20	61.40	73.40
35.0	23.00	28.40	34.60	42.00	50.70	60.90	72.90
40.0	22.70	28.00	34.20	41.50	50.10	60.30	72.30
45.0	22.20	27.40	33.60	40.80	49.40	59.50	71.60
50.0	21.70	26.80	32.90	40.00	48.50	58.70	70.80
55.0	21.00	26.00	32.00	39.10	47.60	57.70	70.00
60.0		25.20	31.10	38.10	46.60	56.80	69.30

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	6.83
Length/Width, mm	241/241
Height, mm	382
Net Weight, kg	27.2
Gross Weight, kg	29
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.3
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 (MT), dBA	55
Sound Power (MT), dBA	66
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	12.4
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  
Mounting Grommets  
Single Phase Equipment

Internal Thermodisk  
Standard  
Run Capacitor

**ACCESSORIES OPTIONAL**

Crankcase Heater  
Single Phase Equipment  
Rotalock valves

70 W External  
Run Capacitor  
suction and discharge

**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