



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 10 K Suction Superheat
- 25 °C Suction Gas Return with Voltage limit  $\pm 0\%$
- Maximum Evaporating Temperature

Suction Return Temperature 18.3°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	7.0	10.0	12.5	15.0
10.0	3.03	3.75	4.64	5.71						
15.0	2.86	3.56	4.43	5.47						
20.0	2.70	3.38	4.22	5.23	6.41					
25.0	2.55	3.21	4.02	4.99	6.13	7.46	8.05			
30.0	2.40	3.04	3.82	4.75	5.85	7.12	7.69	8.59	9.40	
35.0	2.26	2.87	3.62	4.51	5.56	6.78	7.32	8.18	8.96	
40.0	2.13	2.71	3.42	4.27	5.27	6.43	6.94	7.77	8.50	
45.0		2.55	3.22	4.02	4.97	6.08	6.56	7.34	8.04	
50.0			3.02	3.78	4.67	5.71	6.17	6.91	7.57	
55.0				3.53	4.37	5.34	5.77	6.46	7.08	
60.0				3.27	4.05	4.96	5.36	6.00	6.58	
65.0					3.73	4.56	4.93	5.53	6.06	
70.0						4.16	4.49	5.04	5.52	
75.0						3.74	4.04	4.53	4.97	

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	0.74	0.74	0.73	0.73						
15.0	0.89	0.89	0.88	0.87						
20.0	1.04	1.04	1.02	1.01	1.00					
25.0	1.20	1.19	1.17	1.15	1.14	1.14	1.16			
30.0	1.35	1.34	1.32	1.30	1.28	1.28	1.28	1.30	1.33	
35.0	1.50	1.50	1.48	1.46	1.43	1.42	1.42	1.44	1.46	
40.0	1.66	1.68	1.66	1.63	1.60	1.58	1.58	1.59	1.60	
45.0		1.86	1.84	1.82	1.79	1.76	1.76	1.76	1.78	
50.0			2.05	2.02	2.00	1.97	1.96	1.96	1.98	
55.0				2.25	2.23	2.20	2.20	2.19	2.20	
60.0				2.50	2.48	2.46	2.46	2.45	2.46	
65.0					2.77	2.75	2.75	2.74	2.75	
70.0						3.08	3.07	3.07	3.07	
75.0						3.44	3.43	3.44	3.44	

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	15.0
10.0	6.51	6.42	6.32	6.23						
15.0	7.09	7.01	6.92	6.82						
20.0	7.62	7.55	7.46	7.36	7.29					
25.0	8.12	8.06	7.97	7.88	7.80	7.76	7.77			
30.0	8.61	8.56	8.48	8.39	8.31	8.27	8.26	8.28	8.31	
35.0	9.11	9.08	9.01	8.93	8.85	8.80	8.79	8.80	8.82	
40.0	9.65	9.64	9.58	9.51	9.43	9.37	9.36	9.36	9.38	
45.0		10.27	10.22	10.15	10.08	10.02	10.01	10.00	10.02	
50.0			10.95	10.89	10.82	10.77	10.75	10.74	10.75	
55.0				11.75	11.68	11.63	11.61	11.60	11.61	
60.0				12.74	12.68	12.63	12.62	12.60	12.61	
65.0					13.85	13.80	13.79	13.77	13.77	
70.0						15.16	15.15	15.13	15.13	
75.0						16.73	16.72	16.71	16.71	

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	15.0
10.0	14.80	18.40	22.80	28.20						
15.0	14.45	18.10	22.60	28.00						
20.0	14.15	17.80	22.30	27.80	34.30					
25.0	13.90	17.55	22.10	27.50	34.10	41.70	45.20			
30.0	13.65	17.30	21.80	27.30	33.80	41.50	45.00	50.50	55.60	
35.0	13.40	17.05	21.60	27.10	33.60	41.30	44.70	50.30	55.40	
40.0	13.20	16.85	21.40	26.80	33.40	41.10	44.50	50.10	55.10	
45.0		16.65	21.10	26.60	33.10	40.80	44.20	49.80	54.80	
50.0			20.90	26.30	32.80	40.40	43.80	49.40	54.40	
55.0				26.00	32.40	40.00	43.40	49.00	54.00	
60.0				25.60	32.00	39.50	42.90	48.40	53.50	
65.0					31.50	39.00	42.30	47.80	52.80	
70.0						38.30	41.60	47.10	52.00	
75.0						37.50	40.80	46.20	51.10	

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, m <sup>3</sup> /h	9.94
Length/Width, mm	243/244
Height, mm	406
Net Weight, kg	28.4
Gross Weight, kg	31.4
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
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 (MT), dBA	58
Sound Power (MT), dBA	69
Sound Power with Sound Shell (MT), dBA	63
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	2.60
High Side PS gauge, bar	32
Low Side PS gauge, bar	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	18.8
Locked Rotor Current, A	97
Winding Resistance, ohm	1.65/0.69 (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
Single Phase Equipment	Start Relay and Capacitor
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Rotalock valves	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
PFJ	265 V / 1~ / 60 Hz	265		PSC	0.75