



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW											
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
17.0	2.88	3.63	4.53									
20.0	2.78	3.52	4.39	5.43								
25.0	2.63	3.33	4.17	5.17	6.34	7.70						
30.0	2.48	3.16	3.96	4.91	6.03	7.33	8.83	9.50				
35.0	2.34	2.99	3.76	4.66	5.72	6.96	8.40	9.03	10.05	10.95		
40.0	2.20	2.82	3.55	4.41	5.42	6.59	7.96	8.57	9.54	10.40	11.35	13.40
45.0	2.06	2.65	3.34	4.15	5.11	6.22	7.52	8.09	9.02	9.85	10.75	12.70
50.0	1.92	2.47	3.12	3.89	4.79	5.84	7.07	7.61	8.49	9.28	10.15	12.00
55.0		2.28	2.89	3.61	4.45	5.44	6.60	7.11	7.94	8.69	9.50	
60.0			2.65	3.32	4.10	5.03	6.12	6.60	7.38	8.09		
65.0				3.00	3.73	4.60	5.61	6.07	6.80			
67.0				2.87	3.58	4.42	5.41	5.85	6.56			

Cond °C	Power, kW											
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
17.0	1.11	1.14	1.14									
20.0	1.16	1.20	1.22	1.22								
25.0	1.25	1.28	1.32	1.34	1.34	1.34						
30.0	1.33	1.38	1.42	1.46	1.48	1.48	1.48	1.48				
35.0	1.42	1.48	1.53	1.57	1.60	1.63	1.64	1.64	1.64	1.64		
40.0	1.52	1.58	1.64	1.70	1.74	1.78	1.80	1.81	1.82	1.82	1.82	1.82
45.0	1.65	1.72	1.78	1.83	1.88	1.93	1.97	1.98	2.00	2.01	2.02	2.03
50.0	1.80	1.86	1.92	1.98	2.04	2.10	2.15	2.17	2.19	2.21	2.23	2.25
55.0		2.03	2.09	2.16	2.22	2.28	2.34	2.36	2.39	2.42	2.44	
60.0			2.30	2.36	2.42	2.49	2.55	2.58	2.62	2.65		
65.0				2.59	2.66	2.72	2.79	2.82	2.86			
67.0				2.70	2.76	2.83	2.90	2.93	2.97			

Cond °C	Current at 230 V, A											
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
17.0	6.35	6.42	6.47									
20.0	6.50	6.60	6.67	6.71								
25.0	6.75	6.89	7.00	7.09	7.16	7.23						
30.0	7.04	7.20	7.35	7.48	7.59	7.69	7.80	7.84				
35.0	7.36	7.56	7.73	7.89	8.04	8.18	8.32	8.38	8.47	8.55		
40.0	7.74	7.96	8.17	8.36	8.54	8.71	8.89	8.96	9.07	9.16	9.26	9.48
45.0	8.19	8.44	8.67	8.89	9.09	9.30	9.50	9.59	9.72	9.83	9.94	10.19
50.0	8.74	9.01	9.26	9.50	9.73	9.96	10.19	10.29	10.43	10.56	10.69	10.97
55.0		9.68	9.95	10.21	10.46	10.71	10.97	11.07	11.23	11.37	11.52	
60.0			10.76	11.03	11.30	11.57	11.84	11.96	12.13	12.28		
65.0				11.98	12.27	12.55	12.84	12.96	13.15			
67.0				12.41	12.69	12.98	13.28	13.40	13.59			

Cond °C	Suction Mass Flow, g/s											
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
17.0	15.80	19.55	24.00									
20.0	15.65	19.40	23.80	28.90								
25.0	15.40	19.15	23.60	28.60	34.50	41.20						
30.0	15.20	19.00	23.40	28.40	34.20	40.90	48.50	51.80				
35.0	15.05	18.80	23.20	28.20	34.00	40.60	48.10	51.40	56.70	61.30		
40.0	14.90	18.70	23.00	28.00	33.70	40.30	47.80	51.00	56.30	60.90	65.80	76.50
45.0	14.75	18.55	22.90	27.80	33.50	40.00	47.40	50.70	55.80	60.40	65.30	76.00
50.0	14.60	18.35	22.70	27.60	33.20	39.60	47.00	50.20	55.40	60.00	64.90	75.50
55.0		18.10	22.40	27.20	32.80	39.20	46.60	49.80	54.90	59.50	64.40	
60.0			22.00	26.80	32.40	38.70	46.00	49.20	54.40	59.00		
65.0				26.30	31.80	38.20	45.40	48.60	53.80			
67.0				26.00	31.50	37.90	45.20	48.40	53.50			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	8.00
Length/Width, mm	253/248
Height, mm	387
Net Weight, kg	27.7
Gross Weight, kg	30.5
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.45
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 (0)
Sound Pressure @ 1m (HT), dBA	61
Sound Power (HT), dBA	72
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
Max. Low Side Internal Free Volume, l	4.2
Max. High Side Internal Free Volume, l	0.5
Max. Internal Free Volume, l	4.70
High Side PS gauge, bar	38
Low Side PS gauge, bar	23.5
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
High Side TS Max., °C	150
High Side TS Min., °C	-35
Refrigerant's GWP	148
Refrigerant's classification	A2L

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

Maximum Operating Current, A	16.2
Locked Rotor Current, A	76
Winding Resistance, ohm	0.94/2.07 (R/S)
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Crankcase Heater	49/ 53 W External
Mounting Parts	Rubber

ACCESSORIES OPTIONAL**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