



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	3.61	4.55	5.67									
20.0	3.48	4.40	5.50	6.79								
25.0	3.29	4.17	5.22	6.45	7.91	9.60						
30.0	3.11	3.95	4.95	6.13	7.52	9.14	11.00	11.85				
35.0	2.93	3.74	4.69	5.81	7.13	8.67	10.45	11.25	12.50	13.65		
40.0	2.76	3.53	4.43	5.50	6.75	8.21	9.91	10.65	11.85	12.95	14.15	16.70
45.0	2.59	3.31	4.17	5.17	6.36	7.74	9.35	10.05	11.20	12.25	13.35	15.80
50.0	2.40	3.09	3.90	4.84	5.96	7.26	8.79	9.46	10.55	11.55	12.60	14.95
55.0		2.86	3.61	4.50	5.54	6.77	8.21	8.84	9.88	10.80	11.80	
60.0			3.31	4.14	5.11	6.26	7.60	8.21	9.18	10.05		
65.0				3.75	4.65	5.72	6.98	7.55	8.46			
67.0				3.58	4.46	5.50	6.73	7.28	8.17			

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	1.36	1.38	1.39									
20.0	1.42	1.46	1.48	1.47								
25.0	1.53	1.58	1.62	1.64	1.62	1.58						
30.0	1.64	1.70	1.75	1.78	1.80	1.80	1.76	1.73				
35.0	1.75	1.82	1.88	1.94	1.98	2.00	1.98	1.97	1.94	1.91		
40.0	1.88	1.96	2.03	2.10	2.15	2.19	2.21	2.21	2.20	2.18	2.16	2.09
45.0	2.04	2.11	2.19	2.27	2.33	2.39	2.43	2.44	2.45	2.45	2.44	2.41
50.0	2.22	2.29	2.37	2.45	2.53	2.60	2.66	2.68	2.70	2.72	2.73	2.72
55.0		2.51	2.59	2.67	2.75	2.83	2.91	2.93	2.97	3.00	3.02	
60.0			2.84	2.92	3.00	3.09	3.18	3.21	3.25	3.29		
65.0				3.21	3.29	3.38	3.47	3.51	3.56			
67.0				3.33	3.42	3.51	3.60	3.64	3.70			

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	8.02	8.10	8.13									
20.0	8.21	8.33	8.39	8.42								
25.0	8.54	8.70	8.82	8.91	8.97	9.00						
30.0	8.88	9.09	9.27	9.41	9.53	9.62	9.69	9.71				
35.0	9.28	9.52	9.74	9.94	10.11	10.26	10.39	10.44	10.51	10.57		
40.0	9.74	10.02	10.28	10.52	10.73	10.94	11.13	11.20	11.31	11.40	11.49	11.66
45.0	10.29	10.60	10.89	11.17	11.43	11.68	11.92	12.02	12.16	12.28	12.40	12.64
50.0	10.96	11.29	11.61	11.91	12.21	12.50	12.79	12.90	13.08	13.22	13.37	13.67
55.0		12.11	12.45	12.78	13.10	13.43	13.75	13.89	14.09	14.26	14.43	
60.0			13.43	13.78	14.13	14.48	14.84	14.99	15.21	15.40		
65.0				14.95	15.31	15.69	16.07	16.23	16.48			
67.0				15.46	15.83	16.22	16.61	16.78	17.03			

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	19.80	24.50	30.00									
20.0	19.55	24.30	29.80	36.20								
25.0	19.25	24.00	29.40	35.80	43.10	51.40						
30.0	19.05	23.70	29.20	35.50	42.70	51.00	60.40	64.60				
35.0	18.85	23.50	28.90	35.20	42.40	50.60	59.90	64.00	70.60	76.40		
40.0	18.70	23.40	28.70	34.90	42.00	50.20	59.50	63.50	70.00	75.80	81.90	95.20
45.0	18.50	23.20	28.50	34.70	41.70	49.80	59.00	63.00	69.50	75.20	81.30	94.60
50.0	18.30	23.00	28.30	34.30	41.30	49.30	58.50	62.50	68.90	74.60	80.70	93.90
55.0		22.70	27.90	34.00	40.90	48.80	57.90	61.90	68.30	74.00	80.00	
60.0			27.50	33.50	40.30	48.20	57.30	61.20	67.60	73.30		
65.0				32.80	39.60	47.50	56.50	60.50	66.90			
67.0				32.50	39.30	47.20	56.20	60.20	66.60			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	9.95
Length/Width, mm	253/248
Height, mm	401
Net Weight, kg	28.7
Gross Weight, kg	31.6
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	64
Sound Power (HT), dBA	75
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
Max. Low Side Internal Free Volume, l	4.3
Max. High Side Internal Free Volume, l	0.5
Max. Internal Free Volume, l	4.80
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	20.6
Locked Rotor Current, A	97
Winding Resistance, ohm	0.69/1.65 (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