



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	4.25	5.35	6.66									
20.0	4.10	5.17	6.44	7.94								
25.0	3.87	4.89	6.10	7.52	9.20	11.15						
30.0	3.66	4.63	5.77	7.12	8.71	10.55	12.75	13.70				
35.0	3.46	4.38	5.46	6.74	8.24	10.00	12.05	12.95	14.45	15.75		
40.0	3.26	4.13	5.15	6.36	7.77	9.44	11.40	12.25	13.65	14.90	16.25	19.20
45.0	3.06	3.89	4.85	5.98	7.31	8.88	10.70	11.55	12.85	14.05	15.35	18.15
50.0	2.85	3.63	4.53	5.59	6.85	8.33	10.05	10.85	12.10	13.20	14.45	17.15
55.0		3.36	4.21	5.20	6.37	7.76	9.39	10.10	11.30	12.35	13.50	
60.0			3.86	4.78	5.88	7.18	8.71	9.39	10.50	11.50		
65.0				4.34	5.36	6.57	8.01	8.65	9.70			
67.0				4.16	5.15	6.33	7.72	8.35	9.37			

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	1.47	1.48	1.46									
20.0	1.56	1.58	1.58	1.54								
25.0	1.68	1.74	1.76	1.76	1.70	1.60						
30.0	1.81	1.88	1.94	1.96	1.95	1.89	1.78	1.71				
35.0	1.94	2.03	2.10	2.15	2.18	2.16	2.10	2.05	1.96	1.88		
40.0	2.09	2.18	2.27	2.35	2.40	2.42	2.40	2.38	2.32	2.26	2.18	1.97
45.0	2.26	2.36	2.45	2.55	2.63	2.68	2.70	2.69	2.67	2.63	2.58	2.43
50.0	2.46	2.55	2.66	2.77	2.87	2.95	3.00	3.01	3.01	3.00	2.97	2.88
55.0		2.79	2.89	3.01	3.12	3.22	3.30	3.33	3.35	3.36	3.36	
60.0			3.16	3.28	3.40	3.52	3.63	3.66	3.71	3.74		
65.0				3.59	3.72	3.85	3.98	4.02	4.09			
67.0				3.73	3.86	4.00	4.13	4.18	4.24			

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	9.91	9.89	9.77									
20.0	10.16	10.20	10.16	10.00								
25.0	10.54	10.68	10.74	10.72	10.58	10.33						
30.0	10.91	11.13	11.29	11.38	11.38	11.28	11.07	10.95				
35.0	11.30	11.58	11.83	12.02	12.14	12.18	12.13	12.07	11.96	11.83		
40.0	11.76	12.09	12.40	12.67	12.90	13.06	13.15	13.16	13.14	13.10	13.03	12.79
45.0	12.31	12.67	13.03	13.37	13.68	13.96	14.17	14.23	14.31	14.35	14.36	14.31
50.0	13.00	13.36	13.75	14.15	14.53	14.90	15.22	15.34	15.49	15.60	15.69	15.81
55.0		14.20	14.61	15.04	15.48	15.92	16.34	16.50	16.72	16.90	17.06	
60.0			15.63	16.08	16.56	17.06	17.56	17.75	18.04	18.27		
65.0				17.31	17.81	18.35	18.91	19.14	19.47			
67.0				17.85	18.36	18.92	19.50	19.73	20.09			

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	23.30	28.80	35.30									
20.0	23.00	28.50	34.90	42.30								
25.0	22.70	28.10	34.40	41.70	50.10	59.80						
30.0	22.40	27.80	34.00	41.20	49.50	59.00	69.90	74.60				
35.0	22.20	27.60	33.70	40.80	48.90	58.30	69.10	73.80	81.30	88.00		
40.0	22.10	27.40	33.40	40.40	48.40	57.70	68.30	73.00	80.40	87.10	94.20	109.50
45.0	21.90	27.20	33.20	40.00	48.00	57.10	67.60	72.20	79.60	86.20	93.30	108.50
50.0	21.70	27.00	32.90	39.70	47.50	56.50	66.90	71.50	78.80	85.40	92.40	108.00
55.0		26.70	32.50	39.20	47.00	55.90	66.20	70.80	78.10	84.60	91.60	
60.0			32.00	38.70	46.40	55.30	65.50	70.10	77.40	83.90		
65.0				38.00	45.70	54.60	64.80	69.40	76.70			
67.0				37.70	45.40	54.30	64.60	69.10	76.50			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	11.4
Length/Width, mm	253/248
Height, mm	417
Net Weight, kg	28.5
Stub Suction, inch	7/8
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 (19)
Sound Pressure @ 1m (MT), dBA	60
Sound Power (MT), dBA	71
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Max. Low Side Internal Free Volume, l	4.8
Max. High Side Internal Free Volume, l	0.5
Max. Internal Free Volume, l	5.30
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	23.5
Locked Rotor Current, A	114
Winding Resistance, ohm	0.59/1.67 (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