



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 5 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

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	4.10	5.25	6.58										
20.0	3.95	5.08	6.39	7.89									
25.0	3.69	4.79	6.07	7.54	9.21	11.10							
30.0	3.44	4.49	5.72	7.15	8.79	10.65	12.75	13.65					
35.0	3.18	4.18	5.37	6.74	8.34	10.15	12.20	13.10	14.55	15.80	17.15		
40.0	2.93	3.87	4.99	6.31	7.85	9.61	11.60	12.50	13.90	15.15	16.45	19.30	
45.0	2.67	3.55	4.60	5.86	7.33	9.04	11.00	11.85	13.20	14.40	15.70	18.45	
50.0		3.22	4.20	5.39	6.79	8.42	10.30	11.15	12.45	13.60	14.85	17.60	
55.0			3.79	4.89	6.21	7.77	9.57	10.35	11.65	12.80	14.00	16.65	
60.0				4.37	5.61	7.08	8.80	9.56	10.80	11.90	13.05	15.65	
65.0					4.97	6.35	7.98	8.71	9.88	10.95	12.05		
67.0						6.05	7.64	8.35	9.50	10.55	11.65		

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	1.42	1.43	1.43									
20.0	1.52	1.54	1.54	1.54								
25.0	1.72	1.74	1.74	1.74	1.74	1.74						
30.0	1.94	1.96	1.96	1.96	1.96	1.96	1.95	1.95				
35.0	2.19	2.21	2.22	2.22	2.21	2.20	2.20	2.20	2.20	2.20	2.20	
40.0	2.47	2.49	2.50	2.50	2.50	2.49	2.48	2.48	2.47	2.47	2.47	2.48
45.0	2.79	2.81	2.83	2.83	2.82	2.81	2.80	2.79	2.79	2.78	2.78	2.78
50.0		3.18	3.19	3.20	3.19	3.18	3.16	3.15	3.14	3.14	3.13	3.12
55.0			3.61	3.61	3.60	3.59	3.57	3.56	3.55	3.54	3.53	3.51
60.0				4.07	4.06	4.05	4.02	4.01	4.00	3.99	3.97	3.95
65.0					4.58	4.56	4.54	4.53	4.51	4.49	4.48	
67.0						4.78	4.76	4.75	4.73	4.71	4.70	

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	10.27	10.30	10.30									
20.0	10.46	10.52	10.55	10.55								
25.0	10.82	10.93	10.99	11.02	11.04	11.06						
30.0	11.26	11.41	11.50	11.55	11.58	11.60	11.64	11.67				
35.0	11.81	11.99	12.11	12.18	12.21	12.24	12.26	12.28	12.31	12.35	12.40	
40.0	12.50	12.71	12.85	12.93	12.97	12.98	12.99	13.00	13.01	13.03	13.06	13.16
45.0	13.36	13.60	13.75	13.84	13.87	13.87	13.86	13.86	13.85	13.85	13.86	13.91
50.0		14.67	14.84	14.93	14.95	14.94	14.90	14.88	14.85	14.83	14.82	14.81
55.0			16.15	16.23	16.25	16.21	16.14	16.11	16.05	16.01	15.97	15.90
60.0				17.78	17.78	17.72	17.61	17.56	17.47	17.40	17.33	17.20
65.0					19.58	19.49	19.34	19.27	19.15	19.05	18.95	
67.0						20.27	20.11	20.03	19.90	19.79	19.67	

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	21.80	27.50	34.00										
20.0	21.50	27.30	33.80	41.10									
25.0	21.00	26.80	33.40	40.80	49.20	58.50							
30.0	20.50	26.30	32.90	40.50	49.00	58.50	69.10	73.60					
35.0	19.85	25.70	32.30	40.00	48.60	58.30	69.10	73.70	81.00	87.50	94.20		
40.0	19.25	25.00	31.60	39.30	48.00	57.90	68.90	73.70	81.10	87.70	94.70	109.50	
45.0	18.60	24.20	30.80	38.50	47.30	57.30	68.50	73.40	81.00	87.80	94.90	110.00	
50.0		23.30	29.80	37.50	46.40	56.50	67.90	72.90	80.70	87.60	94.90	110.50	
55.0			28.70	36.30	45.20	55.40	67.10	72.10	80.10	87.30	94.70	111.00	
60.0				34.90	43.80	54.10	65.90	71.10	79.30	86.60	94.40	111.00	
65.0					42.00	52.50	64.60	69.90	78.30	85.80	93.80		
67.0						51.70	63.90	69.30	77.80	85.50	93.50		

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 (HT), dBA	63
Sound Power (HT), dBA	74
Sound Power with Sound Shell (HT), dBA	65
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
Max. Low Side Internal Free Volume, l	4.8
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	1774
Refrigerant's classification	A1

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