



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	3.41	4.29	5.40									
20.0	3.32	4.20	5.28	6.60								
25.0	3.18	4.02	5.06	6.33	7.85	9.65						
30.0	3.03	3.83	4.83	6.05	7.50	9.23	11.25	12.15				
35.0	2.87	3.64	4.59	5.74	7.13	8.77	10.70	11.55	12.95	14.20	15.55	
40.0	2.71	3.44	4.34	5.42	6.74	8.30	10.15	10.95	12.25	13.45	14.75	17.55
45.0	2.56	3.24	4.07	5.09	6.32	7.79	9.53	10.30	11.55	12.70	13.90	16.60
50.0		3.03	3.80	4.75	5.89	7.27	8.90	9.63	10.80	11.90	13.05	15.60
55.0			3.53	4.39	5.45	6.73	8.24	8.93	10.05	11.05	12.10	14.55
60.0				4.03	4.99	6.16	7.57	8.20	9.23	10.15	11.20	13.45
65.0					4.53	5.59	6.87	7.45	8.40	9.27	10.20	
67.0						5.35	6.58	7.14	8.06	8.90	9.81	

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	1.46	1.50									
20.0	1.50	1.54	1.58	1.62								
25.0	1.62	1.67	1.71	1.76	1.80	1.86						
30.0	1.76	1.80	1.86	1.90	1.95	2.00	2.06	2.09				
35.0	1.90	1.96	2.01	2.06	2.12	2.17	2.23	2.26	2.30	2.34	2.38	
40.0	2.05	2.12	2.19	2.25	2.31	2.37	2.43	2.46	2.50	2.54	2.58	2.67
45.0	2.23	2.31	2.39	2.46	2.52	2.59	2.66	2.69	2.73	2.77	2.82	2.91
50.0		2.52	2.61	2.69	2.77	2.85	2.93	2.96	3.01	3.05	3.10	3.19
55.0			2.87	2.97	3.06	3.15	3.24	3.27	3.33	3.37	3.42	3.52
60.0				3.28	3.39	3.49	3.59	3.63	3.69	3.75	3.80	3.91
65.0					3.76	3.88	4.00	4.04	4.11	4.17	4.23	
67.0						4.05	4.17	4.22	4.29	4.35	4.42	

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	10.34	10.39	10.45									
20.0	10.46	10.52	10.59	10.67								
25.0	10.68	10.77	10.85	10.94	11.05	11.18						
30.0	10.95	11.06	11.17	11.28	11.41	11.54	11.71	11.78				
35.0	11.27	11.42	11.57	11.71	11.86	12.02	12.20	12.27	12.40	12.52	12.64	
40.0	11.67	11.87	12.06	12.24	12.43	12.61	12.82	12.90	13.04	13.16	13.29	13.59
45.0	12.16	12.43	12.67	12.90	13.13	13.35	13.59	13.69	13.84	13.98	14.12	14.43
50.0		13.11	13.42	13.71	13.98	14.26	14.54	14.65	14.83	14.98	15.13	15.47
55.0			14.32	14.67	15.01	15.35	15.68	15.81	16.01	16.18	16.36	16.73
60.0				15.82	16.24	16.64	17.03	17.18	17.42	17.62	17.82	18.24
65.0					17.67	18.15	18.61	18.79	19.07	19.30	19.53	
67.0						18.82	19.31	19.51	19.80	20.04	20.28	

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	18.15	22.50	27.90									
20.0	18.10	22.50	27.90	34.30								
25.0	18.05	22.50	27.90	34.30	41.90	50.80						
30.0	18.00	22.40	27.80	34.20	41.80	50.70	60.90	65.40				
35.0	17.95	22.30	27.70	34.00	41.60	50.40	60.60	65.00	72.20	78.70	85.50	
40.0	17.85	22.20	27.50	33.80	41.20	50.00	60.10	64.50	71.70	78.10	84.90	99.90
45.0	17.80	22.10	27.30	33.40	40.80	49.40	59.40	63.90	71.00	77.30	84.10	99.10
50.0		22.00	27.00	33.10	40.30	48.80	58.70	63.10	70.10	76.40	83.20	98.10
55.0			26.70	32.60	39.70	48.00	57.80	62.10	69.10	75.40	82.10	96.90
60.0				32.10	39.00	47.10	56.70	61.00	67.90	74.10	80.80	95.60
65.0					38.20	46.20	55.60	59.80	66.60	72.80	79.40	
67.0						45.70	55.10	59.20	66.00	72.20	78.80	

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	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	4.3
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	1774
Refrigerant's classification	A1

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