



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 5 K Suction Superheat
- 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	3.62	4.56	5.73									
20.0	3.54	4.47	5.61	7.01								
25.0	3.40	4.30	5.40	6.75	8.36	10.30						
30.0	3.25	4.12	5.18	6.47	8.02	9.86	12.00	12.95				
35.0	3.10	3.93	4.94	6.18	7.66	9.42	11.50	12.40	13.85	15.20	16.65	
40.0	2.95	3.73	4.69	5.87	7.27	8.95	10.90	11.80	13.20	14.50	15.85	18.85
45.0	2.80	3.53	4.44	5.54	6.87	8.45	10.30	11.15	12.50	13.70	15.05	17.90
50.0		3.33	4.17	5.20	6.45	7.94	9.71	10.50	11.80	12.95	14.20	16.95
55.0			3.91	4.86	6.02	7.41	9.07	9.81	11.00	12.10	13.30	15.90
60.0				4.51	5.57	6.86	8.41	9.10	10.25	11.25	12.40	14.85
65.0					5.12	6.30	7.73	8.37	9.43	10.40	11.45	
67.0						6.07	7.45	8.08	9.10	10.05	11.05	

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	18.05	22.40	27.70									
20.0	18.05	22.40	27.70	34.20								
25.0	18.00	22.40	27.70	34.10	41.70	50.60						
30.0	17.95	22.30	27.70	34.00	41.60	50.40	60.60	65.00				
35.0	17.85	22.20	27.50	33.90	41.30	50.10	60.20	64.70	71.80	78.20	85.00	
40.0	17.80	22.10	27.30	33.60	41.00	49.70	59.70	64.20	71.30	77.60	84.40	99.20
45.0	17.75	22.00	27.10	33.30	40.60	49.20	59.10	63.50	70.60	76.90	83.60	98.40
50.0		21.90	26.90	32.90	40.10	48.50	58.30	62.70	69.70	76.00	82.70	97.50
55.0			26.60	32.50	39.50	47.70	57.40	61.70	68.70	74.90	81.60	96.30
60.0				32.00	38.80	46.90	56.40	60.70	67.50	73.70	80.30	95.00
65.0					38.10	45.90	55.30	59.40	66.20	72.30	78.90	
67.0						45.50	54.80	58.90	65.70	71.80	78.30	

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	10.0
Length/Width, mm	243/242
Height, mm	400
Net Weight, kg	28
Gross Weight, kg	31
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 (8.5)
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)	
PED Category	1
Max. Internal Free Volume, l	3.10
High Side PS gauge, bar	32
Low Side PS gauge, bar	22.6
Low Side TS Max., °C	50
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 21 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Grommets	Standard
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**ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
Discharge Temperature Protection	Discharge line thermostat

**MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
PFJ	220-240 V / 1~ / 50 Hz	230		PSC	1.00
PFJ	265 V / 1~ / 60 Hz	265		PSC	0.75