



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	3.61	4.53	5.64										
20.0	3.50	4.41	5.51	6.82									
25.0	3.31	4.20	5.26	6.54	8.04	9.81							
30.0	3.11	3.97	5.00	6.23	7.68	9.38	11.35	12.25					
35.0	2.91	3.73	4.72	5.90	7.29	8.92	10.80	11.65	13.00	14.20	15.50		
40.0	2.69	3.48	4.42	5.55	6.87	8.43	10.25	11.05	12.35	13.50	14.75	17.45	
45.0	2.47	3.22	4.12	5.18	6.44	7.92	9.64	10.40	11.65	12.75	13.90	16.55	
50.0		2.95	3.79	4.80	5.98	7.38	9.01	9.73	10.90	11.95	13.10	15.55	
55.0			3.46	4.40	5.51	6.82	8.35	9.03	10.15	11.15	12.20	14.55	
60.0				3.98	5.01	6.23	7.66	8.30	9.34	10.25	11.30	13.50	
65.0					4.50	5.63	6.95	7.55	8.51	9.39	10.35		
67.0						5.38	6.66	7.24	8.17	9.02	9.94		

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	1.25	1.28	1.32									
20.0	1.34	1.36	1.40	1.44								
25.0	1.48	1.52	1.55	1.60	1.64	1.70						
30.0	1.63	1.67	1.71	1.76	1.80	1.86	1.94	1.97				
35.0	1.79	1.84	1.88	1.93	1.98	2.05	2.12	2.15	2.20	2.25	2.30	
40.0	1.96	2.02	2.07	2.13	2.18	2.25	2.32	2.36	2.41	2.46	2.51	2.62
45.0	2.15	2.21	2.28	2.34	2.41	2.48	2.55	2.59	2.64	2.69	2.74	2.86
50.0		2.43	2.50	2.58	2.65	2.73	2.81	2.85	2.91	2.96	3.01	3.13
55.0			2.75	2.84	2.93	3.01	3.10	3.14	3.20	3.26	3.31	3.44
60.0				3.13	3.23	3.33	3.43	3.47	3.54	3.60	3.66	3.78
65.0					3.57	3.68	3.79	3.84	3.91	3.98	4.04	
67.0						3.83	3.95	4.00	4.07	4.14	4.21	

Cond °C	Current at 400 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	3.07	3.11	3.14									
20.0	3.16	3.19	3.23	3.27								
25.0	3.31	3.34	3.38	3.42	3.48	3.54						
30.0	3.46	3.50	3.55	3.60	3.65	3.72	3.80	3.84				
35.0	3.63	3.69	3.74	3.79	3.85	3.93	4.01	4.05	4.11	4.17	4.23	
40.0	3.82	3.89	3.95	4.02	4.09	4.17	4.26	4.29	4.36	4.42	4.48	4.63
45.0	4.04	4.12	4.20	4.28	4.36	4.44	4.54	4.58	4.65	4.71	4.78	4.93
50.0		4.38	4.48	4.57	4.67	4.77	4.87	4.92	5.00	5.06	5.13	5.29
55.0			4.80	4.91	5.02	5.14	5.26	5.31	5.39	5.46	5.54	5.70
60.0				5.29	5.43	5.56	5.70	5.76	5.84	5.92	6.01	6.18
65.0					5.88	6.04	6.20	6.26	6.36	6.45	6.54	
67.0						6.25	6.41	6.48	6.59	6.68	6.77	

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	19.20	23.70	29.10									
20.0	19.10	23.60	29.10	35.50								
25.0	18.85	23.50	29.00	35.40	43.00	51.70						
30.0	18.55	23.20	28.80	35.20	42.80	51.50	61.50	65.80				
35.0	18.15	22.90	28.40	34.90	42.50	51.20	61.20	65.50	72.50	78.70	85.30	
40.0	17.70	22.50	28.00	34.50	42.10	50.80	60.70	65.10	72.00	78.20	84.80	99.20
45.0	17.20	22.00	27.50	34.00	41.50	50.20	60.10	64.50	71.40	77.60	84.20	98.60
50.0		21.40	27.00	33.40	40.90	49.50	59.40	63.70	70.70	76.90	83.50	97.90
55.0			26.30	32.60	40.10	48.60	58.50	62.80	69.80	76.00	82.60	97.00
60.0				31.80	39.10	47.60	57.40	61.80	68.70	74.90	81.50	96.00
65.0					38.00	46.50	56.20	60.60	67.50	73.70	80.30	
67.0						46.00	55.70	60.00	67.00	73.20	79.80	

### 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	64
Sound Power (HT), dBA	75
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 (380-420 V / 3~ / 50 Hz)**

Maximum Operating Current, A	6.8
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
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>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFR	220-240 V / 3~ / 50 Hz	230		Y	1.73
TFD	460 V / 3~ / 60 Hz	460		Y	1.04