



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	4.06	5.13	6.42										
20.0	3.91	4.97	6.24	7.75									
25.0	3.66	4.69	5.92	7.38	9.11	11.10							
30.0	3.41	4.41	5.60	7.01	8.67	10.60	12.85	13.85					
35.0	3.16	4.13	5.27	6.62	8.22	10.10	12.25	13.20	14.70	16.10	17.55		
40.0	2.92	3.84	4.93	6.23	7.75	9.53	11.60	12.50	14.00	15.30	16.70	19.80	
45.0	2.67	3.55	4.59	5.82	7.27	8.97	10.95	11.80	13.20	14.50	15.85	18.80	
50.0		3.26	4.24	5.40	6.78	8.38	10.25	11.10	12.45	13.65	14.90	17.75	
55.0			3.88	4.98	6.27	7.78	9.56	10.35	11.60	12.75	14.00	16.70	
60.0				4.54	5.74	7.17	8.83	9.57	10.75	11.85	13.00	15.60	
65.0					5.20	6.53	8.08	8.78	9.90	10.90	12.00		
67.0						6.26	7.77	8.45	9.54	10.55	11.60		

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	1.45	1.52	1.57									
20.0	1.53	1.60	1.66	1.72								
25.0	1.67	1.76	1.82	1.88	1.93	2.00						
30.0	1.82	1.92	2.00	2.06	2.11	2.17	2.23	2.26				
35.0	1.98	2.11	2.20	2.27	2.32	2.37	2.42	2.45	2.49	2.54	2.59	
40.0	2.14	2.30	2.42	2.50	2.56	2.61	2.66	2.68	2.71	2.74	2.78	2.88
45.0	2.31	2.51	2.65	2.76	2.83	2.89	2.93	2.95	2.98	3.00	3.03	3.10
50.0		2.73	2.91	3.04	3.14	3.20	3.25	3.26	3.29	3.31	3.33	3.38
55.0			3.19	3.36	3.47	3.55	3.61	3.63	3.65	3.67	3.68	3.72
60.0				3.70	3.84	3.94	4.01	4.03	4.06	4.08	4.09	4.12
65.0					4.25	4.37	4.46	4.49	4.52	4.54	4.56	
67.0						4.56	4.65	4.68	4.72	4.74	4.76	

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	8.52	8.57	8.62									
20.0	8.65	8.72	8.78	8.83								
25.0	8.85	8.96	9.03	9.09	9.16	9.24						
30.0	9.05	9.19	9.29	9.37	9.44	9.52	9.61	9.65				
35.0	9.25	9.44	9.58	9.69	9.77	9.84	9.92	9.96	10.03	10.09	10.16	
40.0	9.48	9.72	9.91	10.05	10.15	10.23	10.31	10.34	10.40	10.45	10.51	10.65
45.0	9.74	10.05	10.29	10.47	10.60	10.70	10.79	10.82	10.87	10.91	10.96	11.07
50.0		10.45	10.74	10.97	11.14	11.27	11.36	11.40	11.44	11.48	11.52	11.62
55.0			11.29	11.57	11.78	11.94	12.06	12.09	12.15	12.19	12.22	12.30
60.0				12.27	12.54	12.74	12.88	12.93	12.99	13.03	13.07	13.15
65.0					13.43	13.68	13.86	13.92	13.99	14.04	14.09	
67.0						14.10	14.30	14.36	14.44	14.50	14.54	

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	21.60	26.90	33.10									
20.0	21.30	26.60	33.00	40.30								
25.0	20.80	26.20	32.60	40.00	48.60	58.60						
30.0	20.30	25.80	32.20	39.70	48.30	58.20	69.60	74.50				
35.0	19.75	25.30	31.80	39.20	47.90	57.90	69.20	74.20	82.10	89.20	96.60	
40.0	19.20	24.80	31.30	38.80	47.40	57.40	68.80	73.70	81.70	88.70	96.20	112.50
45.0	18.60	24.20	30.70	38.20	46.90	56.90	68.20	73.20	81.20	88.30	95.80	112.00
50.0		23.60	30.10	37.60	46.30	56.20	67.60	72.60	80.60	87.70	95.20	111.50
55.0			29.50	37.00	45.60	55.60	66.90	71.90	79.90	87.10	94.60	111.00
60.0				36.20	44.80	54.80	66.20	71.20	79.20	86.40	94.00	110.50
65.0					44.00	53.90	65.40	70.40	78.50	85.70	93.40	
67.0						53.60	65.00	70.10	78.20	85.40	93.10	

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	11.7
Length/Width, mm	247/241
Height, mm	438
Net Weight, kg	38
Gross Weight, kg	41
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.89
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	62
Sound Power (HT), dBA	73
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Low Side Internal Free Volume, l	0.6
Max. High Side Internal Free Volume, l	6.0
Max. Internal Free Volume, l	6.60
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 / 3~ / 50 Hz)**

Maximum Operating Current, A	16.4
Locked Rotor Current, A	130
Winding Resistance, ohm	0.91
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED****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>
TFR	220-240 V / 3~ / 50 Hz	230		Y	1.00
TFD	380-420 V / 3~ / 50 Hz	400		Y	0.58
TFD	460 V / 3~ / 60 Hz	460		Y	0.60