



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	2.84	3.61	4.54										
20.0	2.73	3.48	4.39	5.47									
25.0	2.55	3.28	4.15	5.19	6.41	7.83							
30.0	2.37	3.07	3.91	4.90	6.07	7.43	9.02	9.71					
35.0	2.21	2.88	3.68	4.62	5.74	7.04	8.55	9.21	10.30	11.25	12.25		
40.0	2.05	2.69	3.45	4.35	5.40	6.64	8.08	8.71	9.73	10.65	11.65	13.80	
45.0	1.90	2.50	3.22	4.07	5.07	6.25	7.61	8.21	9.18	10.05	11.00	13.05	
50.0		2.32	3.00	3.80	4.74	5.85	7.14	7.71	8.63	9.45	10.35	12.30	
55.0			2.78	3.53	4.41	5.45	6.66	7.20	8.07	8.85	9.68	11.55	
60.0				3.26	4.08	5.05	6.18	6.69	7.50	8.24	9.02	10.75	
65.0					3.75	4.65	5.70	6.17	6.93	7.62	8.36		
67.0						4.49	5.51	5.96	6.70	7.37	8.09		

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	0.97	1.01	1.03									
20.0	1.04	1.08	1.10	1.14								
25.0	1.15	1.19	1.23	1.26	1.30	1.38						
30.0	1.26	1.31	1.35	1.38	1.42	1.48	1.57	1.62				
35.0	1.36	1.44	1.48	1.52	1.56	1.61	1.68	1.72	1.78	1.86	1.94	
40.0	1.46	1.56	1.62	1.68	1.72	1.76	1.82	1.85	1.90	1.96	2.03	2.21
45.0	1.57	1.69	1.78	1.84	1.88	1.93	1.98	2.01	2.06	2.10	2.16	2.31
50.0		1.83	1.94	2.02	2.08	2.13	2.18	2.20	2.24	2.28	2.33	2.46
55.0			2.11	2.22	2.29	2.35	2.40	2.43	2.46	2.50	2.54	2.65
60.0				2.43	2.53	2.60	2.66	2.68	2.72	2.76	2.79	2.89
65.0					2.78	2.88	2.95	2.98	3.02	3.05	3.09	
67.0						2.99	3.07	3.10	3.14	3.18	3.22	

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	5.26	5.27	5.29									
20.0	5.16	5.18	5.20	5.25								
25.0	5.08	5.13	5.16	5.20	5.28	5.42						
30.0	5.12	5.19	5.24	5.29	5.36	5.47	5.65	5.74				
35.0	5.23	5.35	5.44	5.50	5.56	5.66	5.80	5.88	6.02	6.16	6.33	
40.0	5.40	5.58	5.71	5.80	5.87	5.96	6.08	6.14	6.26	6.38	6.52	6.88
45.0	5.61	5.86	6.04	6.16	6.26	6.35	6.46	6.51	6.61	6.71	6.82	7.13
50.0		6.16	6.40	6.57	6.70	6.80	6.91	6.96	7.05	7.13	7.23	7.49
55.0			6.77	7.00	7.17	7.30	7.42	7.47	7.55	7.63	7.71	7.93
60.0				7.43	7.65	7.82	7.96	8.02	8.10	8.17	8.25	8.44
65.0					8.12	8.34	8.51	8.57	8.66	8.73	8.81	
67.0						8.54	8.73	8.79	8.89	8.96	9.04	

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	15.10	18.90	23.40										
20.0	14.90	18.70	23.20	28.50									
25.0	14.50	18.35	22.80	28.10	34.20	41.20							
30.0	14.15	18.00	22.50	27.70	33.80	40.80	48.80	52.30					
35.0	13.80	17.65	22.20	27.40	33.40	40.40	48.30	51.80	57.30	62.30	67.50		
40.0	13.45	17.35	21.90	27.10	33.10	40.00	47.90	51.30	56.90	61.80	67.00	78.30	
45.0	13.20	17.10	21.60	26.80	32.70	39.60	47.50	50.90	56.40	61.30	66.50	77.80	
50.0		16.85	21.30	26.50	32.40	39.20	47.00	50.50	55.90	60.80	66.00	77.30	
55.0			21.10	26.20	32.10	38.90	46.70	50.10	55.50	60.40	65.60	76.90	
60.0				26.00	31.90	38.60	46.30	49.70	55.20	60.00	65.20	76.50	
65.0					31.70	38.40	46.10	49.50	54.90	59.80	65.00		
67.0						38.40	46.10	49.50	54.90	59.80	64.90		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	8.04
Length/Width, mm	243/242
Height, mm	387
Net Weight, kg	27
Gross Weight, kg	30
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	61
Sound Power (HT), dBA	72
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	3.50
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	10.8
Locked Rotor Current, A	70
Winding Resistance, ohm	1.51
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
Discharge Temperature Protection	Discharge line thermostat

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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