



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	5.02	6.38	8.02										
20.0	4.83	6.16	7.76	9.67									
25.0	4.50	5.79	7.33	9.16	11.30	13.85							
30.0	4.20	5.43	6.91	8.66	10.70	13.15	15.90	17.15					
35.0	3.90	5.08	6.49	8.16	10.15	12.45	15.10	16.25	18.15	19.85	21.70		
40.0	3.61	4.74	6.08	7.67	9.53	11.70	14.25	15.35	17.20	18.80	20.50	24.30	
45.0	3.33	4.40	5.67	7.17	8.94	11.00	13.40	14.45	16.20	17.70	19.35	23.00	
50.0		4.07	5.27	6.68	8.34	10.30	12.55	13.55	15.20	16.65	18.20	21.60	
55.0			4.86	6.18	7.73	9.56	11.70	12.65	14.15	15.55	17.00	20.30	
60.0				5.68	7.12	8.82	10.80	11.70	13.15	14.40	15.80	18.90	
65.0					6.51	8.08	9.93	10.75	12.10	13.30	14.60		
67.0						7.78	9.57	10.35	11.65	12.85	14.10		

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	1.81	1.86	1.91									
20.0	1.92	1.98	2.03	2.09								
25.0	2.11	2.17	2.23	2.29	2.35	2.45						
30.0	2.29	2.38	2.45	2.51	2.57	2.65	2.77	2.83				
35.0	2.48	2.59	2.68	2.75	2.82	2.89	2.99	3.04	3.13	3.22	3.31	
40.0	2.66	2.82	2.93	3.02	3.10	3.18	3.27	3.31	3.39	3.46	3.55	3.76
45.0	2.85	3.05	3.20	3.31	3.41	3.50	3.59	3.63	3.71	3.77	3.85	4.04
50.0		3.29	3.48	3.63	3.76	3.86	3.97	4.01	4.08	4.14	4.22	4.39
55.0			3.79	3.98	4.14	4.27	4.39	4.44	4.51	4.58	4.65	4.81
60.0				4.36	4.56	4.72	4.87	4.92	5.01	5.08	5.15	5.31
65.0					5.02	5.22	5.40	5.47	5.56	5.64	5.72	
67.0						5.44	5.63	5.70	5.80	5.88	5.97	

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	8.67	8.72	8.77									
20.0	8.89	8.96	9.01	9.08								
25.0	9.22	9.33	9.41	9.49	9.58	9.70						
30.0	9.53	9.70	9.81	9.91	10.01	10.13	10.30	10.38				
35.0	9.82	10.06	10.23	10.37	10.49	10.61	10.77	10.85	10.99	11.12	11.28	
40.0	10.12	10.43	10.67	10.86	11.02	11.17	11.34	11.41	11.54	11.67	11.81	12.16
45.0	10.42	10.83	11.16	11.41	11.62	11.81	12.00	12.08	12.21	12.33	12.46	12.79
50.0		11.27	11.70	12.03	12.31	12.55	12.77	12.86	13.00	13.12	13.26	13.58
55.0			12.30	12.73	13.09	13.39	13.66	13.77	13.93	14.06	14.21	14.53
60.0				13.53	13.98	14.36	14.70	14.82	15.01	15.16	15.32	15.66
65.0					14.99	15.46	15.88	16.03	16.25	16.44	16.62	
67.0						15.95	16.40	16.56	16.80	17.00	17.19	

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	26.70	33.40	41.40									
20.0	26.30	33.00	41.00	50.30								
25.0	25.60	32.40	40.40	49.70	60.50	72.90						
30.0	25.00	31.80	39.70	49.00	59.80	72.10	86.20	92.30				
35.0	24.30	31.20	39.10	48.40	59.10	71.30	85.30	91.50	101.00	110.00	119.00	
40.0	23.80	30.60	38.50	47.70	58.40	70.60	84.50	90.60	100.50	109.00	118.00	138.00
45.0	23.20	30.10	38.00	47.10	57.70	69.80	83.60	89.70	99.40	108.00	117.00	137.00
50.0		29.50	37.40	46.50	56.90	69.00	82.70	88.80	98.40	107.00	116.00	136.00
55.0			36.90	45.90	56.30	68.20	81.90	87.90	97.50	106.00	115.00	135.00
60.0				45.30	55.60	67.40	81.00	87.00	96.60	105.00	114.50	134.00
65.0					55.00	66.70	80.30	86.20	95.80	104.50	113.50	
67.0						66.50	80.00	86.00	95.50	104.00	113.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	14.4
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	63
Sound Power (HT), dBA	74
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	6.0
Max. High Side Internal Free Volume, l	0.6
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	19
Locked Rotor Current, A	130
Winding Resistance, ohm	0.91
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

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