



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW														
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	
17.0	2.90	3.44	4.05	4.74	5.52										
20.0	2.89	3.44	4.07	4.77	5.56	6.44									
25.0	2.84	3.42	4.06	4.79	5.59	6.49	7.47								
30.0	2.78	3.37	4.03	4.77	5.59	6.49	7.48	8.56	9.02	9.74					
35.0	2.70	3.30	3.97	4.71	5.54	6.45	7.44	8.53	8.99	9.71	10.35	11.00	12.40		
40.0	2.59	3.20	3.87	4.62	5.45	6.36	7.35	8.44	8.90	9.62	10.25	10.90	12.30	13.75	
45.0		3.07	3.75	4.50	5.32	6.22	7.21	8.29	8.75	9.47	10.10	10.75	12.10	13.60	
50.0		2.93	3.60	4.34	5.15	6.05	7.03	8.09	8.55	9.25	9.87	10.50	11.85	13.30	
55.0			3.41	4.14	4.95	5.83	6.79	7.84	8.29	8.98	9.59	10.20	11.55	13.00	
60.0				3.92	4.70	5.56	6.51	7.53	7.97	8.65	9.25	9.86	11.15	12.60	
65.0					4.42	5.26	6.17	7.18	7.60	8.27	8.84	9.45			
68.0					4.23	5.05	5.95	6.94	7.35	8.01					

Cond °C	Power, kW													
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
17.0	1.11	1.13	1.15	1.16	1.16									
20.0	1.18	1.21	1.23	1.25	1.25	1.25								
25.0	1.32	1.36	1.38	1.40	1.40	1.40	1.39							
30.0	1.48	1.52	1.54	1.56	1.58	1.58	1.58	1.56	1.54	1.52				
35.0	1.65	1.70	1.73	1.76	1.77	1.78	1.78	1.76	1.75	1.73	1.72	1.70	1.64	
40.0	1.85	1.90	1.94	1.97	1.99	2.00	2.00	1.99	1.98	1.96	1.95	1.93	1.88	1.82
45.0		2.14	2.18	2.22	2.24	2.26	2.26	2.25	2.24	2.23	2.21	2.20	2.15	2.09
50.0		2.40	2.46	2.50	2.53	2.55	2.55	2.55	2.54	2.53	2.52	2.50	2.45	2.39
55.0			2.77	2.82	2.85	2.87	2.89	2.88	2.88	2.87	2.86	2.84	2.80	2.74
60.0				3.18	3.22	3.25	3.26	3.26	3.26	3.25	3.24	3.23	3.18	3.13
65.0					3.63	3.67	3.69	3.69	3.69	3.68	3.67	3.66		
68.0					3.91	3.94	3.97	3.97	3.97	3.97				

Cond °C	Current at 400 V, A													
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
17.0	2.60	2.63	2.64	2.65	2.65									
20.0	2.72	2.75	2.77	2.78	2.79	2.78								
25.0	2.92	2.95	2.98	3.00	3.01	3.01	3.00							
30.0	3.12	3.16	3.19	3.22	3.23	3.23	3.23	3.21	3.19	3.17				
35.0	3.33	3.38	3.42	3.45	3.47	3.48	3.47	3.45	3.44	3.42	3.40	3.38	3.32	
40.0	3.56	3.62	3.67	3.71	3.73	3.75	3.75	3.73	3.72	3.70	3.68	3.66	3.60	3.52
45.0		3.90	3.96	4.00	4.04	4.05	4.06	4.05	4.04	4.02	4.00	3.98	3.92	3.84
50.0		4.23	4.30	4.35	4.39	4.41	4.42	4.42	4.41	4.39	4.37	4.35	4.29	4.22
55.0			4.70	4.76	4.81	4.84	4.85	4.85	4.84	4.83	4.81	4.79	4.73	4.66
60.0				5.24	5.30	5.33	5.35	5.36	5.35	5.34	5.32	5.30	5.25	5.18
65.0					5.87	5.92	5.94	5.95	5.95	5.94	5.93	5.91		
68.0					6.27	6.32	6.35	6.36	6.36	6.36				

Cond °C	Suction Mass Flow, g/s													
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
17.0	12.50	14.95	17.80	21.00	24.70									
20.0	12.55	15.10	18.00	21.30	25.10	29.40								
25.0	12.55	15.25	18.30	21.80	25.70	30.20	35.20							
30.0	12.50	15.25	18.45	22.00	26.10	30.70	35.90	41.60	44.10	48.10				
35.0	12.30	15.20	18.45	22.20	26.30	31.00	36.30	42.30	44.80	48.90	52.50	56.30	64.60	
40.0	12.00	14.95	18.30	22.10	26.40	31.20	36.60	42.60	45.20	49.40	53.10	57.00	65.50	75.00
45.0		14.65	18.05	21.90	26.20	31.10	36.60	42.70	45.40	49.60	53.40	57.30	66.00	75.70
50.0		14.20	17.65	21.50	25.90	30.80	36.40	42.60	45.30	49.60	53.40	57.40	66.20	76.10
55.0			17.05	21.00	25.40	30.30	35.90	42.20	44.90	49.20	53.00	57.10	66.10	76.10
60.0				20.20	24.60	29.50	35.10	41.40	44.20	48.50	52.40	56.50	65.50	75.80
65.0					23.60	28.50	34.10	40.40	43.10	47.50	51.40	55.50		
68.0					22.90	27.80	33.30	39.60	42.30	46.70				

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	5.13
Length/Width, mm	242/242
Height, mm	418
Net Weight, kg	31
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.25
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
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. Internal Free Volume, l	3.90
High Side PS gauge, bar	46
Low Side PS gauge, bar	28
Low Side TS Max., °C	50
Refrigerant's GWP	2088
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	6.5
Locked Rotor Current, A	43
Winding Resistance, ohm	4.17
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL**

Crankcase Heater	40 W External
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MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFM	380-420 V / 3~ / 50 Hz	400		Y	1.00