



Minimum Evaporating Temp. With:

- 10 K Suction Superheat     — 5 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

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	25.0
17.0	1.90	2.44	3.08	3.84									
20.0	1.82	2.34	2.96	3.71	4.58								
25.0	1.68	2.18	2.78	3.49	4.32	5.29							
30.0	1.55	2.04	2.62	3.29	4.08	5.00	6.05	6.51	7.25				
35.0	1.43	1.90	2.46	3.10	3.85	4.72	5.72	6.15	6.85	7.48	8.15	9.60	
40.0	1.32	1.77	2.30	2.91	3.62	4.44	5.39	5.80	6.46	7.05	7.68	9.07	10.60
45.0		1.64	2.14	2.72	3.39	4.17	5.06	5.45	6.07	6.63	7.22	8.53	10.00
50.0			1.98	2.53	3.16	3.89	4.72	5.09	5.68	6.20	6.76	7.99	9.38
55.0				2.34	2.93	3.61	4.39	4.73	5.28	5.77	6.30	7.46	8.76
60.0					2.69	3.32	4.05	4.37	4.88	5.34	5.84	6.92	8.15
65.0						3.04	3.71	4.01	4.49	4.92	5.38		
68.0						2.87	3.52	3.80	4.26				

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	25.0
17.0	0.80	0.79	0.78	0.77									
20.0	0.84	0.84	0.83	0.83	0.81								
25.0	0.93	0.92	0.92	0.91	0.90	0.89							
30.0	1.02	1.01	1.01	1.01	1.00	0.99	0.98	0.97	0.96				
35.0	1.12	1.11	1.11	1.11	1.10	1.10	1.09	1.08	1.08	1.06	1.06	1.02	
40.0	1.23	1.23	1.23	1.23	1.23	1.22	1.22	1.22	1.20	1.20	1.19	1.16	1.14
45.0		1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.35	1.34	1.32	1.30
50.0			1.51	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.50	1.48
55.0				1.70	1.70	1.70	1.71	1.71	1.72	1.72	1.71	1.70	1.70
60.0					1.92	1.92	1.93	1.93	1.94	1.94	1.94	1.94	1.93
65.0						2.18	2.18	2.19	2.19	2.20	2.20		
68.0						2.35	2.36	2.36	2.37				

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	25.0
17.0	2.08	2.08	2.07	2.06									
20.0	2.15	2.15	2.15	2.14	2.13								
25.0	2.26	2.26	2.26	2.25	2.25	2.23							
30.0	2.36	2.36	2.36	2.35	2.35	2.34	2.32	2.32	2.30				
35.0	2.45	2.45	2.45	2.45	2.45	2.44	2.43	2.43	2.42	2.40	2.39	2.36	
40.0	2.56	2.56	2.55	2.55	2.56	2.55	2.55	2.54	2.54	2.53	2.52	2.50	2.46
45.0		2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.67	2.67	2.65	2.62
50.0			2.84	2.84	2.84	2.85	2.85	2.85	2.85	2.85	2.84	2.83	2.82
55.0				3.04	3.04	3.05	3.06	3.06	3.06	3.06	3.06	3.06	3.05
60.0					3.30	3.31	3.32	3.32	3.32	3.33	3.33	3.33	3.33
65.0						3.63	3.64	3.65	3.65	3.66	3.67		
68.0						3.86	3.87	3.88	3.89				

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	25.0
17.0	9.13	11.55	14.45	17.85									
20.0	8.90	11.35	14.25	17.60	21.50								
25.0	8.56	11.00	13.90	17.25	21.10	25.60							
30.0	8.25	10.75	13.60	16.95	20.80	25.20	30.20	32.40	35.90				
35.0	7.98	10.45	13.35	16.65	20.40	24.80	29.70	31.90	35.30	38.40	41.70	48.80	
40.0	7.71	10.25	13.10	16.40	20.10	24.40	29.30	31.50	34.90	37.90	41.10	48.10	56.00
45.0		9.98	12.85	16.15	19.85	24.10	28.90	31.00	34.40	37.40	40.60	47.50	55.30
50.0			12.60	15.85	19.55	23.70	28.50	30.60	33.90	36.90	40.00	46.90	54.70
55.0				15.60	19.25	23.40	28.10	30.20	33.50	36.40	39.50	46.40	54.10
60.0					18.95	23.10	27.70	29.80	33.10	36.00	39.10	45.90	53.60
65.0						22.80	27.50	29.60	32.80	35.80	38.90		
68.0						22.80	27.50	29.60	32.90				

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	3.36
Length/Width, mm	227/194
Height, mm	388
Net Weight, kg	21.3
Gross Weight, kg	22
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	0.74
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	57
Sound Power (HT), dBA	68
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	2.30
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	4.8
Locked Rotor Current, A	28
Winding Resistance, ohm	8.14/8.14/6.46 (T1-T2/T2-T3/T3-T1)
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED****ACCESSORIES OPTIONAL**

Crankcase Heater	40 W External
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**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>
TFM	380-420 V / 3~ / 50 Hz	400		Y	1.00