



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 20 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

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
10.0	5.18	6.37	7.78	9.43	11.35					
15.0	4.96	6.14	7.52	9.13	11.00					
20.0	4.73	5.88	7.23	8.80	10.60	12.70				
25.0	4.48	5.60	6.91	8.44	10.20	12.25	14.55			
30.0	4.21	5.31	6.58	8.05	9.76	11.70	13.95	16.50	17.60	
35.0	3.94	5.00	6.22	7.64	9.28	11.15	13.30	15.75	16.85	18.55
40.0	3.66	4.68	5.85	7.21	8.78	10.60	12.65	15.00	16.05	17.65
45.0	3.37	4.34	5.47	6.76	8.26	9.98	11.95	14.20	15.20	16.75
50.0		4.00	5.07	6.29	7.71	9.34	11.20	13.35	14.30	15.80
55.0			4.65	5.81	7.14	8.68	10.45	12.50	13.35	14.80
60.0				5.31	6.55	8.00	9.66	11.55	12.40	13.75
65.0					5.95	7.29	8.84	10.65	11.40	12.65
70.0					5.33	6.56	8.00	9.66	10.40	11.55

Cond °C	Power, kW									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	1.74	1.76	1.78	1.80	1.82					
15.0	1.88	1.90	1.94	1.96	2.00					
20.0	2.03	2.07	2.11	2.14	2.18	2.22				
25.0	2.20	2.25	2.29	2.34	2.38	2.43	2.48			
30.0	2.40	2.45	2.50	2.55	2.61	2.66	2.71	2.77	2.79	
35.0	2.62	2.67	2.73	2.79	2.85	2.91	2.97	3.03	3.05	3.09
40.0	2.86	2.93	2.99	3.06	3.12	3.19	3.25	3.32	3.34	3.38
45.0	3.14	3.21	3.28	3.35	3.42	3.49	3.56	3.63	3.66	3.70
50.0		3.52	3.60	3.67	3.75	3.82	3.90	3.97	4.00	4.04
55.0			3.95	4.03	4.11	4.19	4.26	4.34	4.37	4.42
60.0				4.42	4.50	4.59	4.67	4.75	4.78	4.83
65.0					4.94	5.02	5.11	5.19	5.22	5.27
70.0					5.42	5.50	5.59	5.67	5.71	5.76

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
10.0	5.63	5.64	5.65	5.66	5.67					
15.0	5.71	5.73	5.75	5.77	5.79					
20.0	5.81	5.84	5.87	5.89	5.92	5.95				
25.0	5.93	5.97	6.01	6.04	6.08	6.12	6.16			
30.0	6.08	6.13	6.18	6.22	6.27	6.32	6.37	6.41	6.43	
35.0	6.27	6.33	6.38	6.44	6.49	6.55	6.61	6.66	6.69	6.72
40.0	6.50	6.56	6.63	6.69	6.76	6.82	6.89	6.95	6.98	7.02
45.0	6.77	6.85	6.92	6.99	7.06	7.14	7.21	7.29	7.32	7.37
50.0		7.18	7.26	7.34	7.43	7.51	7.59	7.68	7.71	7.77
55.0			7.67	7.76	7.85	7.94	8.03	8.13	8.16	8.22
60.0				8.23	8.33	8.43	8.53	8.64	8.68	8.74
65.0					8.89	9.00	9.11	9.22	9.26	9.33
70.0					9.52	9.64	9.75	9.87	9.92	9.99

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
10.0	15.75	19.00	22.80	27.20	32.10					
15.0	15.70	19.05	22.90	27.30	32.30					
20.0	15.60	19.00	22.90	27.40	32.40	38.10				
25.0	15.45	18.90	22.90	27.40	32.50	38.20	44.60			
30.0	15.25	18.80	22.80	27.30	32.50	38.20	44.70	51.80	54.90	
35.0	15.00	18.60	22.70	27.20	32.40	38.20	44.60	51.80	54.90	59.80
40.0	14.75	18.40	22.50	27.10	32.20	38.00	44.50	51.70	54.80	59.70
45.0	14.40	18.10	22.20	26.80	32.00	37.80	44.30	51.50	54.60	59.40
50.0		17.75	21.90	26.50	31.70	37.50	44.00	51.20	54.30	59.10
55.0			21.50	26.20	31.30	37.10	43.60	50.80	53.90	58.80
60.0				25.70	30.90	36.60	43.10	50.30	53.40	58.30
65.0					30.40	36.10	42.60	49.70	52.80	57.80
70.0					29.80	35.50	42.00	49.20	52.30	57.20

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	17.1
Length/Width, mm	254/266
Height, mm	442
Net Weight, kg	37.9
Gross Weight, kg	39.8
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.89
Oil type (original charge)	POE Hatcol 4467
Oil type (approved oils)	POE Hatcol 4467
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (HT), dBA	67
Sound Power (HT), dBA	78
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	2
Max. Low Side Internal Free Volume, l	6.4
Max. High Side Internal Free Volume, l	0.6
Max. Internal Free Volume, l	7.00
High Side PS gauge, bar	28
Low Side PS gauge, bar	17
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
High Side TS Max., °C	150
High Side TS Min., °C	-35
Refrigerant's GWP	3
Refrigerant's classification	A3

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

Maximum Operating Current, A	11.8
Locked Rotor Current, A	74
Winding Resistance, ohm	2.74
Default Enclosure Class	IP 54/65

ACCESSORIES INCLUDED

Mounting Grommets	Standard
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ACCESSORIES OPTIONAL

Discharge Temperature Protection	Discharge line thermostat
Crankcase Heater	55 W External

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
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04