



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 10 K Suction Superheat
- 25 °C Suction Gas Return with Voltage limit $\pm 0\%$
- Maximum Evaporating Temperature

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	3.08	3.85	4.80	5.93						
15.0	2.95	3.71	4.63	5.73						
20.0	2.82	3.56	4.45	5.51	6.77					
25.0	2.69	3.40	4.26	5.29	6.50	7.90	8.52			
30.0	2.55	3.24	4.07	5.06	6.22	7.57	8.16	9.12	9.98	
35.0	2.42	3.08	3.87	4.82	5.93	7.22	7.79	8.71	9.53	
40.0	2.28	2.91	3.67	4.57	5.63	6.86	7.41	8.28	9.06	
45.0		2.74	3.46	4.32	5.32	6.49	7.01	7.84	8.58	
50.0			3.25	4.06	5.01	6.11	6.60	7.38	8.08	
55.0				3.79	4.68	5.72	6.17	6.91	7.57	
60.0				3.52	4.35	5.31	5.74	6.43	7.04	
65.0					4.00	4.90	5.29	5.93	6.50	
70.0						4.48	4.84	5.42	5.95	
75.0						4.04	4.37	4.91	5.38	

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	0.76	0.76	0.76	0.77						
15.0	0.86	0.86	0.86	0.87						
20.0	0.97	0.97	0.97	0.98	0.99					
25.0	1.08	1.08	1.09	1.10	1.10	1.12	1.13			
30.0	1.20	1.21	1.22	1.22	1.23	1.25	1.26	1.27	1.28	
35.0	1.34	1.34	1.35	1.36	1.37	1.38	1.39	1.40	1.41	
40.0	1.48	1.50	1.50	1.52	1.52	1.54	1.54	1.55	1.56	
45.0		1.66	1.67	1.68	1.70	1.71	1.72	1.72	1.73	
50.0			1.86	1.87	1.88	1.90	1.90	1.92	1.92	
55.0				2.08	2.10	2.11	2.12	2.13	2.13	
60.0				2.31	2.33	2.35	2.36	2.37	2.37	
65.0					2.59	2.61	2.62	2.63	2.64	
70.0						2.90	2.91	2.92	2.93	
75.0						3.23	3.23	3.25	3.26	

Cond °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	2.99	2.96	2.94	2.94						
15.0	3.06	3.04	3.02	3.02						
20.0	3.15	3.13	3.11	3.11	3.12					
25.0	3.24	3.23	3.22	3.22	3.22	3.24	3.25			
30.0	3.35	3.34	3.34	3.34	3.35	3.36	3.37	3.39	3.40	
35.0	3.48	3.48	3.48	3.48	3.49	3.51	3.51	3.53	3.54	
40.0	3.63	3.64	3.65	3.66	3.67	3.68	3.69	3.70	3.71	
45.0		3.82	3.84	3.86	3.87	3.88	3.89	3.90	3.91	
50.0			4.07	4.09	4.11	4.12	4.13	4.14	4.15	
55.0				4.36	4.39	4.41	4.41	4.42	4.43	
60.0				4.67	4.70	4.73	4.74	4.75	4.75	
65.0					5.07	5.10	5.11	5.12	5.13	
70.0						5.52	5.53	5.54	5.55	
75.0						5.99	6.01	6.02	6.04	

Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	15.00	18.85	23.60	29.30						
15.0	14.90	18.80	23.60	29.30						
20.0	14.80	18.70	23.50	29.30	36.10					
25.0	14.65	18.60	23.40	29.20	36.10	44.20	47.80			
30.0	14.50	18.45	23.30	29.10	36.00	44.10	47.80	53.60	59.00	
35.0	14.35	18.30	23.10	29.00	35.90	44.00	47.60	53.50	58.90	
40.0	14.15	18.15	23.00	28.80	35.70	43.80	47.50	53.40	58.70	
45.0		17.95	22.70	28.50	35.40	43.60	47.20	53.10	58.50	
50.0			22.50	28.20	35.10	43.20	46.90	52.80	58.20	
55.0				27.90	34.70	42.80	46.50	52.40	57.70	
60.0				27.50	34.30	42.40	46.00	51.90	57.20	
65.0					33.80	41.80	45.40	51.30	56.70	
70.0						41.20	44.80	50.70	56.00	
75.0						40.60	44.20	50.00	55.40	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	9.94
Length/Width, mm	243/244
Height, mm	406
Net Weight, kg	28.4
Gross Weight, kg	31.4
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.12
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 (MT), dBA	58
Sound Power (MT), dBA	69
Sound Power with Sound Shell (MT), dBA	62
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	2.60
High Side PS gauge, bar	32
Low Side PS gauge, bar	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	8.9
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Rotalock valves	suction and discharge

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.09
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.09