



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	3.35	4.20	5.23	6.45						
15.0	3.22	4.04	5.04	6.23						
20.0	3.08	3.88	4.85	6.00	7.36					
25.0	2.93	3.71	4.64	5.76	7.07	8.59	9.26			
30.0	2.79	3.54	4.44	5.51	6.77	8.23	8.87	9.91	10.85	
35.0	2.64	3.36	4.22	5.25	6.45	7.85	8.47	9.46	10.35	
40.0	2.50	3.18	4.00	4.98	6.13	7.46	8.05	9.00	9.85	
45.0		3.00	3.78	4.70	5.79	7.06	7.62	8.52	9.32	
50.0			3.54	4.42	5.45	6.64	7.17	8.02	8.78	
55.0				4.13	5.09	6.22	6.71	7.51	8.23	
60.0				3.83	4.73	5.78	6.24	6.98	7.65	
65.0					4.36	5.33	5.76	6.45	7.07	
70.0						4.87	5.26	5.89	6.46	
75.0						4.40	4.76	5.33	5.85	

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	0.88	0.87	0.87	0.88						
15.0	0.99	0.99	0.99	1.00						
20.0	1.12	1.12	1.12	1.12	1.14					
25.0	1.25	1.25	1.25	1.26	1.28	1.29	1.30			
30.0	1.39	1.39	1.40	1.40	1.42	1.44	1.44	1.46	1.46	
35.0	1.54	1.54	1.56	1.56	1.58	1.59	1.60	1.61	1.62	
40.0	1.70	1.72	1.73	1.74	1.76	1.77	1.78	1.78	1.80	
45.0		1.90	1.92	1.94	1.95	1.96	1.97	1.98	1.99	
50.0			2.13	2.15	2.17	2.19	2.19	2.20	2.21	
55.0				2.39	2.41	2.43	2.44	2.45	2.45	
60.0				2.66	2.68	2.70	2.71	2.72	2.73	
65.0					2.98	3.01	3.01	3.03	3.03	
70.0						3.34	3.35	3.36	3.37	
75.0						3.71	3.72	3.74	3.74	

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	3.36	3.33	3.31	3.31						
15.0	3.45	3.42	3.40	3.40						
20.0	3.54	3.51	3.50	3.50	3.51					
25.0	3.65	3.63	3.62	3.62	3.63	3.65	3.66			
30.0	3.77	3.76	3.75	3.75	3.76	3.78	3.79	3.81	3.83	
35.0	3.91	3.91	3.91	3.92	3.93	3.94	3.95	3.97	3.98	
40.0	4.08	4.09	4.10	4.11	4.12	4.14	4.15	4.16	4.17	
45.0		4.30	4.32	4.34	4.35	4.37	4.38	4.39	4.40	
50.0			4.57	4.60	4.62	4.64	4.65	4.66	4.66	
55.0				4.90	4.93	4.95	4.96	4.97	4.98	
60.0				5.25	5.29	5.32	5.33	5.34	5.35	
65.0					5.70	5.73	5.74	5.76	5.77	
70.0						6.21	6.22	6.24	6.25	
75.0						6.74	6.76	6.77	6.79	

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	16.40	20.60	25.70	31.90						
15.0	16.25	20.50	25.70	31.90						
20.0	16.15	20.40	25.60	31.90	39.30					
25.0	16.00	20.30	25.50	31.80	39.30	48.10	52.00			
30.0	15.85	20.10	25.40	31.70	39.20	48.00	51.90	58.30	64.10	
35.0	15.65	19.95	25.20	31.50	39.00	47.80	51.80	58.20	64.00	
40.0	15.45	19.80	25.00	31.30	38.80	47.60	51.60	58.00	63.80	
45.0		19.55	24.80	31.10	38.50	47.40	51.30	57.70	63.60	
50.0			24.50	30.80	38.20	47.00	51.00	57.40	63.20	
55.0				30.40	37.80	46.60	50.50	56.90	62.80	
60.0				30.00	37.30	46.10	50.00	56.40	62.20	
65.0					36.80	45.50	49.40	55.80	61.60	
70.0						44.80	48.70	55.10	60.90	
75.0						44.20	48.00	54.30	60.20	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	11.4
Length/Width, mm	246/246
Height, mm	423
Net Weight, kg	28.5
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.45
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 (19)
Sound Pressure @ 1m (MT), dBA	58
Sound Power (MT), dBA	69
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	1
Max. Low Side Internal Free Volume, l	4.6
Max. High Side Internal Free Volume, l	0.5
Max. Internal Free Volume, l	5.10
High Side PS gauge, bar	32
Low Side PS gauge, bar	21
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	10
Locked Rotor Current, A	50
Winding Resistance, ohm	3.88
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

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