



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 20 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

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
4.0	3.71	4.64	5.78	7.16					
5.0	3.69	4.62	5.76	7.13					
10.0	3.55	4.46	5.56	6.88	8.44				
15.0	3.41	4.29	5.35	6.62	8.12				
20.0	3.26	4.12	5.14	6.36	7.79	9.46			
25.0	3.11	3.94	4.93	6.09	7.46	9.05	10.90	11.70	
30.0	2.95	3.75	4.70	5.81	7.11	8.62	10.35	11.10	12.35
35.0	2.78	3.55	4.46	5.51	6.74	8.17	9.81	10.55	11.70
40.0		3.34	4.20	5.20	6.36	7.70	9.25	9.93	11.00
45.0			3.93	4.87	5.96	7.22	8.67	9.30	10.30
50.0			3.63	4.52	5.53	6.71	8.05	8.65	9.60
55.0				4.14	5.08	6.17	7.42	7.97	8.85
60.0					4.60	5.60	6.75	7.25	8.06

Cond °C	Power, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
4.0	0.87	0.91	0.95	1.00					
5.0	0.88	0.92	0.96	1.01					
10.0	0.97	1.01	1.04	1.08	1.12				
15.0	1.08	1.11	1.14	1.18	1.22				
20.0	1.23	1.25	1.27	1.30	1.34	1.38			
25.0	1.39	1.40	1.42	1.44	1.48	1.51	1.55	1.57	
30.0	1.58	1.59	1.60	1.62	1.64	1.68	1.71	1.72	1.75
35.0	1.80	1.80	1.82	1.82	1.84	1.87	1.90	1.92	1.94
40.0		2.05	2.06	2.07	2.08	2.10	2.13	2.14	2.16
45.0			2.34	2.34	2.35	2.37	2.39	2.40	2.41
50.0			2.66	2.66	2.66	2.67	2.69	2.70	2.71
55.0				3.01	3.01	3.02	3.03	3.04	3.05
60.0					3.41	3.41	3.42	3.42	3.43

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
4.0	2.75	2.79	2.83	2.87					
5.0	2.76	2.79	2.83	2.87					
10.0	2.80	2.83	2.87	2.91	2.95				
15.0	2.90	2.92	2.96	3.00	3.04				
20.0	3.05	3.07	3.10	3.14	3.17	3.22			
25.0	3.25	3.27	3.29	3.32	3.36	3.40	3.44	3.46	
30.0	3.50	3.51	3.53	3.55	3.58	3.62	3.66	3.67	3.70
35.0	3.78	3.79	3.80	3.82	3.85	3.88	3.91	3.93	3.95
40.0		4.10	4.11	4.12	4.14	4.17	4.20	4.21	4.23
45.0			4.45	4.46	4.47	4.49	4.52	4.53	4.54
50.0			4.82	4.82	4.82	4.84	4.85	4.86	4.88
55.0				5.20	5.20	5.20	5.21	5.22	5.23
60.0					5.59	5.58	5.59	5.59	5.60

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
4.0	16.50	20.70	25.90	32.30					
5.0	16.50	20.70	25.90	32.30					
10.0	16.40	20.60	25.90	32.20	39.70				
15.0	16.25	20.60	25.80	32.10	39.60				
20.0	16.15	20.50	25.70	32.00	39.50	48.30			
25.0	16.00	20.40	25.60	31.90	39.30	48.10	58.40	63.00	
30.0	15.80	20.20	25.50	31.70	39.10	47.80	58.00	62.60	70.10
35.0	15.60	20.00	25.30	31.40	38.80	47.40	57.60	62.10	69.50
40.0		19.75	25.00	31.10	38.40	46.90	57.00	61.50	68.90
45.0			24.60	30.70	37.90	46.40	56.40	60.90	68.20
50.0			24.00	30.10	37.30	45.70	55.60	60.00	67.30
55.0				29.40	36.50	44.80	54.60	59.00	66.30
60.0					35.50	43.70	53.50	57.90	65.10

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	8.61
Length/Width, mm	243/244
Height, mm	391
Net Weight, kg	27.3
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.24
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 Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	2.50
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	1397
Refrigerant's classification	A1

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

Maximum Operating Current, A	7.2
Locked Rotor Current, A	40
Winding Resistance, ohm	4.83
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