



Minimum Evaporating Temp. With:

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

Additional restrictions, please see application guidelines

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	6.13	7.56	9.34	11.50						
15.0	5.83	7.22	8.95	11.00						
20.0	5.51	6.87	8.54	10.55	12.90					
25.0	5.18	6.50	8.11	10.05	12.30	14.90	16.05			
30.0	4.85	6.12	7.66	9.51	11.65	14.15	15.25	17.00	18.55	
35.0	4.52	5.73	7.20	8.96	11.00	13.35	14.40	16.10	17.55	
40.0		5.33	6.73	8.39	10.35	12.55	13.55	15.10	16.55	
45.0		4.93	6.25	7.81	9.63	11.75	12.65	14.15	15.45	
50.0			5.75	7.21	8.91	10.85	11.75	13.10	14.35	
55.0				6.60	8.17	9.98	10.80	12.05	13.20	
60.0				5.97	7.41	9.08	9.81	11.00	12.05	
65.0					6.64	8.15	8.82	9.89	10.85	
70.0					5.86	7.21	7.80	8.76	9.63	
75.0						6.25	6.77	7.62	8.38	

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	1.32	1.30	1.31	1.34						
15.0	1.50	1.48	1.47	1.48						
20.0	1.69	1.67	1.66	1.66	1.68					
25.0	1.90	1.88	1.86	1.86	1.86	1.90	1.92			
30.0	2.13	2.12	2.10	2.08	2.08	2.09	2.11	2.14	2.18	
35.0	2.38	2.37	2.35	2.33	2.32	2.32	2.33	2.35	2.38	
40.0		2.65	2.63	2.61	2.59	2.59	2.59	2.60	2.62	
45.0		2.95	2.94	2.92	2.90	2.89	2.88	2.89	2.89	
50.0			3.27	3.26	3.23	3.22	3.21	3.21	3.21	
55.0				3.62	3.60	3.58	3.57	3.56	3.56	
60.0				4.01	4.00	3.98	3.97	3.96	3.95	
65.0					4.43	4.41	4.40	4.39	4.38	
70.0					4.89	4.88	4.87	4.86	4.85	
75.0						5.38	5.38	5.37	5.35	

Additional restrictions, please see application guidelines

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	4.47	4.43	4.43	4.46						
15.0	4.99	4.95	4.93	4.94						
20.0	5.45	5.41	5.38	5.38	5.41					
25.0	5.87	5.82	5.79	5.77	5.79	5.84	5.88			
30.0	6.25	6.21	6.17	6.15	6.15	6.18	6.20	6.25	6.31	
35.0	6.62	6.58	6.55	6.52	6.50	6.52	6.53	6.56	6.61	
40.0		6.96	6.93	6.90	6.87	6.87	6.88	6.90	6.92	
45.0		7.35	7.33	7.30	7.27	7.26	7.26	7.26	7.28	
50.0			7.76	7.74	7.71	7.69	7.68	7.68	7.68	
55.0				8.23	8.20	8.17	8.17	8.16	8.15	
60.0				8.78	8.76	8.74	8.73	8.71	8.70	
65.0					9.41	9.39	9.38	9.36	9.35	
70.0					10.16	10.14	10.13	10.11	10.10	
75.0						11.01	11.01	10.99	10.97	

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	33.60	41.50	51.50	63.60						
15.0	33.10	41.20	51.30	63.50						
20.0	32.60	40.80	50.90	63.20	77.80					
25.0	32.00	40.30	50.50	62.80	77.50	94.70	102.50			
30.0	31.30	39.70	49.90	62.30	77.00	94.20	102.00	114.50	125.50	
35.0	30.60	39.00	49.20	61.60	76.30	93.50	101.00	113.50	125.00	
40.0		38.20	48.40	60.80	75.40	92.60	100.50	113.00	124.00	
45.0		37.30	47.50	59.80	74.40	91.50	99.20	111.50	123.00	
50.0			46.50	58.70	73.10	90.20	97.80	110.00	121.50	
55.0				57.30	71.70	88.60	96.20	108.50	120.00	
60.0				55.90	70.00	86.80	94.30	106.50	118.00	
65.0					68.10	84.70	92.10	104.50	115.50	
70.0					65.90	82.20	89.60	102.00	113.00	
75.0						79.50	86.80	98.90	110.00	

Additional restrictions, please see application guidelines

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	17.1
Length/Width, mm	242/242
Height, mm	438
Net Weight, kg	39.1
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.9
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	61
Sound Power (MT), dBA	72
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	5.90
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	631
Refrigerant's classification	A1

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

Maximum Operating Current, A	13.1
Locked Rotor Current, A	74
Winding Resistance, ohm	2.27
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

Additional restrictions, please see application guidelines

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

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