



Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

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	20.0	25.0
10.0	1.81	2.28	2.85	3.54								
15.0	1.72	2.18	2.74	3.41	4.19							
20.0	1.62	2.07	2.61	3.27	4.03	4.93						
25.0	1.52	1.96	2.49	3.12	3.86	4.73	5.11	5.73				
30.0	1.42	1.85	2.36	2.97	3.68	4.52	4.89	5.49	6.03	6.60		
35.0	1.33	1.74	2.23	2.81	3.50	4.31	4.66	5.24	5.76	6.32		
40.0	1.23	1.62	2.09	2.65	3.31	4.08	4.42	4.98	5.48	6.01	7.20	
45.0	1.13	1.50	1.94	2.48	3.11	3.85	4.17	4.71	5.18	5.70	6.83	8.13
50.0		1.38	1.80	2.30	2.90	3.60	3.91	4.42	4.88	5.37	6.46	7.70
55.0			1.64	2.12	2.68	3.35	3.64	4.12	4.56	5.03	6.07	7.26
60.0			1.49	1.93	2.46	3.08	3.36	3.82	4.23	4.67	5.66	6.80
65.0				1.73	2.22	2.81	3.07	3.50	3.88	4.30	5.24	6.32
70.0					1.98	2.52	2.76	3.16	3.53	3.92	4.80	
75.0					1.72	2.22	2.45	2.82	3.15	3.52		

Cond °C	Power, kW											
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	0.51	0.50	0.51	0.51								
15.0	0.57	0.56	0.56	0.57	0.58							
20.0	0.63	0.62	0.62	0.63	0.63	0.65						
25.0	0.70	0.69	0.69	0.69	0.70	0.71	0.72	0.73				
30.0	0.78	0.77	0.77	0.76	0.77	0.78	0.78	0.80	0.81	0.82		
35.0	0.87	0.86	0.85	0.85	0.85	0.86	0.86	0.87	0.88	0.89		
40.0	0.97	0.96	0.95	0.95	0.94	0.95	0.95	0.96	0.96	0.98	1.00	
45.0	1.10	1.08	1.06	1.06	1.05	1.05	1.05	1.06	1.06	1.07	1.10	1.12
50.0		1.21	1.20	1.18	1.18	1.17	1.17	1.17	1.18	1.18	1.20	1.23
55.0			1.34	1.32	1.32	1.30	1.30	1.30	1.30	1.30	1.32	1.34
60.0			1.52	1.49	1.48	1.46	1.46	1.46	1.45	1.46	1.46	1.48
65.0				1.68	1.66	1.64	1.63	1.62	1.62	1.62	1.62	1.63
70.0					1.86	1.84	1.83	1.82	1.81	1.80	1.80	
75.0					2.09	2.06	2.05	2.04	2.03	2.02		

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	20.0	25.0
10.0	1.86	1.85	1.85	1.85								
15.0	2.03	2.02	2.01	2.02	2.03							
20.0	2.18	2.16	2.16	2.16	2.18	2.20						
25.0	2.31	2.30	2.30	2.30	2.31	2.33	2.34	2.36				
30.0	2.45	2.43	2.42	2.43	2.44	2.45	2.46	2.48	2.50	2.52		
35.0	2.58	2.57	2.55	2.55	2.56	2.57	2.58	2.60	2.61	2.63		
40.0	2.73	2.71	2.69	2.68	2.68	2.69	2.70	2.71	2.73	2.74	2.78	
45.0	2.89	2.86	2.84	2.83	2.82	2.83	2.83	2.84	2.85	2.86	2.89	2.93
50.0		3.04	3.01	2.99	2.98	2.97	2.98	2.98	2.99	3.00	3.02	3.05
55.0			3.20	3.18	3.16	3.15	3.14	3.14	3.15	3.15	3.17	3.19
60.0			3.43	3.39	3.37	3.35	3.34	3.33	3.33	3.33	3.34	3.35
65.0				3.65	3.61	3.58	3.57	3.56	3.55	3.55	3.54	3.55
70.0					3.90	3.86	3.84	3.82	3.81	3.80	3.79	
75.0					4.24	4.18	4.16	4.14	4.12	4.10		

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	20.0	25.0
10.0	10.55	13.05	16.00	19.50								
15.0	10.40	12.95	15.95	19.50	23.50							
20.0	10.25	12.85	15.90	19.45	23.50	28.20						
25.0	10.10	12.75	15.80	19.40	23.50	28.20	30.30	33.50				
30.0	9.93	12.60	15.70	19.30	23.40	28.20	30.20	33.50	36.40	39.50		
35.0	9.74	12.40	15.55	19.15	23.30	28.10	30.20	33.50	36.40	39.50		
40.0	9.54	12.25	15.35	19.00	23.20	27.90	30.00	33.30	36.30	39.40	46.20	
45.0	9.30	12.00	15.15	18.80	23.00	27.70	29.80	33.20	36.10	39.20	46.10	53.60
50.0		11.75	14.85	18.50	22.70	27.50	29.60	32.90	35.90	39.00	45.90	53.50
55.0			14.50	18.15	22.30	27.10	29.20	32.50	35.50	38.70	45.50	53.20
60.0			14.10	17.70	21.90	26.60	28.70	32.10	35.10	38.20	45.10	52.90
65.0				17.15	21.30	26.00	28.10	31.50	34.50	37.60	44.60	52.40
70.0					20.50	25.30	27.40	30.70	33.70	36.90	43.90	
75.0					19.65	24.40	26.40	29.80	32.80	36.00		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	6.83
Length/Width, mm	239/245
Height, mm	364
Net Weight, kg	25.8
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
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 (19)
Sound Pressure @ 1m (MT), dBA	57
Sound Power (MT), dBA	68
Sound Power with Sound Shell (MT), dBA	58
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	29
Low Side PS gauge, bar	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	605
Refrigerant's classification	A1

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

Maximum Operating Current, A	6.5
Locked Rotor Current, A	32
Winding Resistance, ohm	5.94
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
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ACCESSORIES OPTIONAL

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

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04