



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 0 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	5.35	6.69	8.19	9.87	11.75	13.90					
15.0	5.24	6.54	8.00	9.65	11.50	13.60	16.00				
20.0	5.15	6.41	7.83	9.44	11.25	13.35	15.70	18.35			
25.0	5.10	6.30	7.67	9.24	11.05	13.05	15.40	18.00	20.90		
30.0	5.06	6.21	7.52	9.04	10.80	12.80	15.05	17.65	20.60	23.80	25.30
35.0	5.04	6.12	7.38	8.85	10.55	12.50	14.70	17.25	20.10	23.40	24.80
40.0	5.03	6.05	7.24	8.65	10.30	12.20	14.35	16.85	19.70	22.90	24.30
45.0		5.97	7.10	8.44	10.00	11.85	14.00	16.40	19.20	22.30	23.70
50.0		5.90	6.96	8.23	9.74	11.50	13.55	15.95	18.65	21.80	23.10
55.0			6.80	7.99	9.42	11.10	13.10	15.45	18.10	21.10	22.50
60.0						10.70	12.65	14.85	17.45	20.40	21.70

Cond °C	Power, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	2.15	2.21	2.27	2.34	2.41	2.49					
15.0	2.43	2.51	2.60	2.69	2.78	2.87	2.97				
20.0	2.68	2.80	2.91	3.02	3.13	3.23	3.34	3.45			
25.0	2.94	3.08	3.21	3.34	3.47	3.59	3.71	3.83	3.96		
30.0	3.20	3.37	3.53	3.68	3.82	3.96	4.09	4.22	4.35	4.48	4.54
35.0	3.49	3.69	3.87	4.04	4.20	4.36	4.50	4.64	4.77	4.91	4.96
40.0	3.83	4.05	4.26	4.45	4.63	4.79	4.95	5.10	5.24	5.37	5.42
45.0		4.48	4.71	4.92	5.12	5.30	5.46	5.62	5.76	5.90	5.95
50.0		4.99	5.24	5.48	5.69	5.88	6.06	6.21	6.36	6.51	6.56
55.0			5.88	6.13	6.35	6.55	6.74	6.91	7.07	7.21	7.27
60.0						7.35	7.56	7.73	7.89	8.03	8.08

Cond °C	Current at 400 V, A										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	5.33	5.36	5.41	5.47	5.54	5.62					
15.0	5.62	5.69	5.77	5.86	5.96	6.06	6.17				
20.0	5.89	6.00	6.11	6.24	6.36	6.48	6.61	6.74			
25.0	6.16	6.30	6.45	6.61	6.76	6.90	7.05	7.19	7.34		
30.0	6.45	6.63	6.81	6.99	7.17	7.34	7.51	7.67	7.83	7.99	8.06
35.0	6.78	7.00	7.22	7.43	7.63	7.83	8.01	8.19	8.36	8.54	8.61
40.0	7.19	7.45	7.70	7.94	8.17	8.38	8.59	8.79	8.98	9.15	9.22
45.0		8.00	8.28	8.55	8.80	9.04	9.26	9.48	9.68	9.86	9.93
50.0		8.67	8.98	9.29	9.57	9.83	10.07	10.29	10.50	10.70	10.78
55.0			9.86	10.18	10.48	10.76	11.02	11.26	11.49	11.70	11.78
60.0						11.88	12.17	12.43	12.67	12.88	12.96

Cond °C	Suction Mass Flow, g/s										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	24.60	31.80	40.00	49.60	60.90	74.20					
15.0	24.30	31.40	39.50	49.00	60.30	73.60	89.30				
20.0	24.20	31.00	39.00	48.50	59.70	73.00	88.70	107.00			
25.0	24.10	30.80	38.70	48.00	59.10	72.40	88.20	106.50	128.50		
30.0	24.10	30.60	38.30	47.50	58.60	71.80	87.60	106.00	128.00	153.00	164.00
35.0	24.30	30.50	38.00	47.10	58.00	71.20	86.90	105.50	127.00	152.50	163.50
40.0	24.40	30.50	37.80	46.60	57.50	70.50	86.20	104.50	126.50	152.00	163.00
45.0		30.40	37.50	46.20	56.80	69.80	85.30	104.00	125.50	151.00	162.50
50.0		30.40	37.20	45.70	56.10	68.90	84.40	103.00	124.50	150.00	161.50
55.0			36.90	45.10	55.40	68.00	83.40	101.50	123.50	149.00	160.00
60.0						67.00	82.20	100.50	122.00	147.50	158.50

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	17.1
Length/Width, mm	246/251
Height, mm	442
Net Weight, kg	39.5
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 (LT), dBA	67
Sound Power (LT), dBA	78
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	5.70
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Low Side TS Max., °C	50
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	13.7
Locked Rotor Current, A	74
Winding Resistance, ohm	2.27
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
Current Sensing Relay	External
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)

**MOTOR OPTIONS**

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