



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

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	17.15	20.90	25.40	30.90				
15.0	16.70	20.60	25.20	30.80	37.30			
20.0	16.05	20.00	24.80	30.30	36.80	44.40		
25.0	15.10	19.25	24.00	29.60	36.10	43.60	52.30	
30.0	13.95	18.20	23.00	28.60	35.00	42.40	51.00	54.70
35.0	12.60	16.90	21.70	27.30	33.70	41.00	49.40	53.10
40.0		15.40	20.20	25.70	32.00	39.30	47.50	51.10
45.0			18.55	24.00	30.20	37.30	45.40	48.90
50.0			16.60	22.00	28.10	35.00	42.90	46.40
55.0				19.80	25.80	32.50	40.30	43.70
60.0					23.30	29.90	37.40	40.70

Cond °C	Power, kW							
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	4.80	4.94	5.13	5.40				
15.0	5.40	5.51	5.64	5.83	6.11			
20.0	6.06	6.15	6.25	6.38	6.58	6.87		
25.0	6.79	6.87	6.95	7.04	7.17	7.38	7.70	
30.0	7.58	7.68	7.75	7.81	7.90	8.05	8.27	8.39
35.0	8.46	8.59	8.66	8.72	8.77	8.86	9.02	9.11
40.0		9.59	9.69	9.75	9.79	9.84	9.94	10.00
45.0			10.85	10.90	10.95	11.00	11.05	11.10
50.0			12.10	12.20	12.30	12.30	12.35	12.35
55.0				13.65	13.75	13.80	13.85	13.85
60.0					15.40	15.45	15.50	15.50

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	19.54	19.65	19.83	20.11				
15.0	19.79	19.85	19.96	20.15	20.44			
20.0	20.16	20.20	20.27	20.38	20.58	20.88		
25.0	20.66	20.70	20.74	20.81	20.93	21.13	21.45	
30.0	21.29	21.35	21.39	21.43	21.50	21.63	21.85	21.96
35.0	22.06	22.17	22.23	22.27	22.31	22.39	22.52	22.60
40.0		23.16	23.27	23.32	23.36	23.40	23.49	23.54
45.0			24.50	24.60	24.65	24.69	24.74	24.77
50.0			25.95	26.11	26.20	26.26	26.30	26.32
55.0				27.86	28.02	28.11	28.16	28.18
60.0					30.10	30.25	30.34	30.37

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	81.20	97.50	117.00	140.50				
15.0	82.10	99.60	120.50	145.00	173.50			
20.0	81.70	100.50	122.50	148.00	177.00	211.00		
25.0	80.00	100.00	123.00	149.50	180.00	215.00	254.00	
30.0	77.00	98.60	123.00	150.00	181.50	217.00	257.00	275.00
35.0	72.50	95.60	121.00	149.50	181.50	218.00	259.00	277.00
40.0		91.10	118.00	147.50	180.50	218.00	260.00	278.00
45.0			113.50	144.00	178.50	217.00	260.00	278.00
50.0			107.00	139.00	174.50	214.00	258.00	277.00
55.0				132.50	169.00	210.00	255.00	275.00
60.0					162.00	204.00	251.00	271.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	43.4
Length/Width, mm	280/280
Height, mm	552
Net Weight, kg	66.2
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	3.37
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 (0)
Sound Pressure @ 1m (MT), dBA	72
Sound Power (MT), dBA	83
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	2
Max. Internal Free Volume, l	14.0
High Side PS gauge, bar	32
Low Side PS gauge, bar	22.6
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	33.5
Locked Rotor Current, A	174
Winding Resistance, ohm	0.83
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04