



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	11.15	13.55	16.50	20.00				
15.0	10.70	13.10	16.00	19.50	23.60			
20.0	10.25	12.60	15.45	18.90	22.90	27.60		
25.0	9.72	12.05	14.85	18.20	22.10	26.70	32.00	
30.0	9.16	11.45	14.20	17.45	21.30	25.70	30.90	33.20
35.0	8.58	10.80	13.50	16.65	20.40	24.70	29.70	31.90
40.0		10.15	12.75	15.80	19.40	23.60	28.50	30.60
45.0			11.95	14.90	18.35	22.40	27.10	29.20
50.0			11.15	13.95	17.30	21.20	25.80	27.80
55.0				13.00	16.20	19.95	24.30	26.30
60.0					15.05	18.65	22.90	24.70

Cond °C	Power, kW							
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	2.51	2.58	2.68	2.82				
15.0	2.85	2.91	2.98	3.08	3.23			
20.0	3.23	3.28	3.33	3.40	3.50	3.66		
25.0	3.64	3.70	3.74	3.79	3.85	3.96	4.12	
30.0	4.08	4.15	4.20	4.23	4.27	4.34	4.45	4.51
35.0	4.56	4.65	4.71	4.74	4.77	4.81	4.88	4.92
40.0		5.20	5.27	5.32	5.34	5.36	5.40	5.43
45.0			5.90	5.96	5.98	6.00	6.02	6.03
50.0			6.58	6.66	6.71	6.72	6.73	6.74
55.0				7.44	7.50	7.53	7.54	7.54
60.0					8.38	8.43	8.45	8.45

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	7.58	7.58	7.66	7.84				
15.0	8.32	8.29	8.31	8.41	8.62			
20.0	8.96	8.93	8.93	8.97	9.09	9.30		
25.0	9.52	9.52	9.52	9.53	9.59	9.71	9.92	
30.0	10.02	10.08	10.10	10.10	10.12	10.18	10.30	10.37
35.0	10.47	10.61	10.67	10.70	10.71	10.73	10.78	10.82
40.0		11.12	11.27	11.34	11.37	11.37	11.39	11.40
45.0			11.89	12.04	12.11	12.13	12.12	12.12
50.0			12.55	12.80	12.94	13.00	13.00	12.99
55.0				13.64	13.88	14.00	14.04	14.04
60.0					14.94	15.16	15.26	15.27

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	52.90	63.40	76.10	91.20				
15.0	52.60	63.50	76.40	91.80	109.50			
20.0	52.10	63.20	76.50	92.00	110.00	131.00		
25.0	51.40	62.80	76.20	92.00	110.50	131.50	155.50	
30.0	50.50	62.10	75.80	91.70	110.00	131.50	156.00	166.50
35.0	49.40	61.30	75.10	91.20	110.00	131.50	156.00	166.50
40.0		60.20	74.20	90.40	109.50	131.00	156.00	166.50
45.0			73.00	89.50	108.50	130.50	155.50	166.50
50.0			71.70	88.30	107.50	129.50	155.00	166.00
55.0				86.90	106.00	128.50	154.00	165.50
60.0					105.00	127.50	153.50	165.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	25.7
Length/Width, mm	280/280
Height, mm	534
Net Weight, kg	59.9
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	66
Sound Power (MT), dBA	77
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	13.3
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	17.5
Locked Rotor Current, A	111
Winding Resistance, ohm	1.37
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