



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °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								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	19.00	23.20	28.30	34.40					
15.0	18.15	22.20	27.00	32.80	39.50				
20.0	17.25	21.20	25.80	31.20	37.50	44.80			
25.0	16.25	20.10	24.50	29.60	35.50	42.30	50.30		
30.0	15.10	18.95	23.20	28.00	33.40	39.80	47.10	50.40	55.70
35.0	13.70	17.55	21.70	26.20	31.40	37.20	44.00	47.00	51.90
40.0		15.95	20.00	24.30	29.20	34.60	40.90	43.60	48.10
45.0			18.05	22.30	26.80	31.90	37.60	40.10	44.20
50.0				19.90	24.20	29.00	34.20	36.50	40.20
55.0				17.25	21.40	25.80	30.70	32.80	36.10
60.0					18.25	22.40	26.80	28.80	31.80

Cond °C	Power, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	4.64	4.79	4.96	5.13					
15.0	5.15	5.29	5.45	5.62	5.78				
20.0	5.75	5.86	6.01	6.17	6.33	6.47			
25.0	6.44	6.53	6.65	6.80	6.95	7.09	7.19		
30.0	7.25	7.30	7.40	7.52	7.66	7.79	7.90	7.93	7.95
35.0	8.18	8.19	8.26	8.36	8.48	8.59	8.69	8.72	8.75
40.0		9.23	9.25	9.32	9.41	9.51	9.59	9.62	9.65
45.0			10.40	10.45	10.50	10.55	10.60	10.65	10.65
50.0				11.70	11.70	11.75	11.80	11.80	11.80
55.0				13.15	13.10	13.10	13.15	13.15	13.15
60.0					14.70	14.65	14.65	14.65	14.60

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
10.0	12.19	12.36	12.56	12.76					
15.0	12.75	12.91	13.11	13.31	13.51				
20.0	13.44	13.58	13.77	13.98	14.18	14.34			
25.0	14.29	14.40	14.57	14.77	14.97	15.15	15.27		
30.0	15.34	15.41	15.55	15.73	15.92	16.10	16.23	16.27	16.29
35.0	16.61	16.63	16.73	16.89	17.06	17.23	17.36	17.40	17.43
40.0		18.10	18.15	18.27	18.41	18.56	18.68	18.72	18.75
45.0			19.83	19.90	20.01	20.13	20.23	20.27	20.30
50.0				21.82	21.88	21.96	22.04	22.06	22.08
55.0				24.05	24.06	24.09	24.13	24.15	24.15
60.0					26.57	26.55	26.54	26.54	26.52

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
10.0	107.50	132.50	162.50	198.50					
15.0	107.50	132.00	162.00	197.50	240.00				
20.0	107.00	132.00	161.50	196.50	239.00	289.00			
25.0	105.50	131.50	161.50	196.00	237.00	286.00	345.00		
30.0	103.00	130.00	160.50	195.50	236.00	284.00	342.00	368.00	411.00
35.0	99.00	127.50	159.00	194.00	234.00	282.00	339.00	364.00	406.00
40.0		123.50	156.00	191.50	232.00	280.00	335.00	361.00	402.00
45.0			150.50	188.00	229.00	276.00	332.00	357.00	398.00
50.0				181.50	224.00	272.00	328.00	353.00	394.00
55.0				172.50	217.00	266.00	323.00	348.00	390.00
60.0					206.00	258.00	317.00	343.00	386.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	36.4
Length/Width, mm	280/280
Height, mm	552
Net Weight, kg	64.9
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	70
Sound Power (MT), dBA	81
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	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	28.2
Locked Rotor Current, A	140
Winding Resistance, ohm	1.09
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