



Minimum Evaporating Temp. With:

- 20 °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
4.0	15.15	18.15	22.20	27.10	32.80	39.30
5.0	15.15	18.15	22.10	27.10	32.80	39.20
10.0	15.20	18.10	22.00	26.80	32.30	38.50
15.0	15.15	18.00	21.80	26.40	31.80	37.80
20.0	15.05	17.85	21.50	26.00	31.20	37.00
25.0	14.90	17.60	21.20	25.50	30.60	36.20
30.0	14.65	17.30	20.80	25.00	29.90	35.40
35.0	14.30	16.90	20.40	24.50	29.20	34.50
40.0	13.90	16.50	19.85	23.90	28.50	33.60
45.0		16.00	19.30	23.20	27.70	32.70
50.0		15.45	18.70	22.50	26.90	31.70
54.4			18.10	21.90	26.20	30.80

Cond °C	Power, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
4.0	5.62	6.04	6.40	6.70	6.97	7.23
5.0	5.66	6.09	6.45	6.76	7.04	7.30
10.0	6.12	6.59	6.99	7.35	7.67	7.99
15.0	6.63	7.15	7.60	8.00	8.38	8.74
20.0	7.22	7.78	8.28	8.73	9.15	9.56
25.0	7.89	8.49	9.03	9.54	10.00	10.45
30.0	8.64	9.28	9.88	10.45	10.95	11.45
35.0	9.47	10.15	10.80	11.40	11.95	12.50
40.0	10.40	11.15	11.80	12.45	13.10	13.70
45.0		12.20	12.95	13.60	14.30	14.95
50.0		13.40	14.15	14.90	15.65	16.35
54.4			15.35	16.15	16.90	17.65

Cond °C	Current at 400 V, A					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
4.0	11.17	11.55	11.88	12.14	12.37	12.58
5.0	11.21	11.60	11.93	12.20	12.44	12.65
10.0	11.62	12.06	12.46	12.80	13.10	13.39
15.0	12.11	12.61	13.07	13.48	13.85	14.21
20.0	12.69	13.25	13.77	14.25	14.70	15.13
25.0	13.38	14.00	14.58	15.13	15.65	16.15
30.0	14.16	14.85	15.51	16.13	16.70	17.28
35.0	15.06	15.82	16.55	17.23	17.88	18.53
40.0	16.08	16.93	17.72	18.46	19.19	19.92
45.0		18.16	19.02	19.84	20.64	21.44
50.0		19.55	20.47	21.38	22.26	23.14
54.4			21.92	22.87	23.82	24.76

Cond °C	Suction Mass Flow, g/s					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
4.0	70.20	89.30	111.50	137.50	168.50	205.00
5.0	70.20	89.20	111.50	137.50	168.50	205.00
10.0	69.90	88.90	111.00	137.00	168.00	204.00
15.0	69.50	88.40	110.50	136.50	167.50	204.00
20.0	69.20	88.00	110.00	136.00	166.50	203.00
25.0	68.80	87.50	109.50	135.50	166.00	202.00
30.0	68.40	87.00	109.00	134.50	165.00	201.00
35.0	68.00	86.40	108.00	133.50	164.00	200.00
40.0	67.50	85.80	107.00	132.50	163.00	199.00
45.0		85.10	106.50	131.50	162.00	197.50
50.0		84.30	105.50	130.50	160.50	196.00
54.4			104.50	129.50	159.00	194.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	48.3
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 (LT), dBA	77
Sound Power (LT), dBA	88
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 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
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	31
Locked Rotor Current, A	168
Winding Resistance, ohm	0.78
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	93 W External
Liquid Injection	DTC Valve
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell
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
TFC	200-240 V / 3~ / 50 Hz	200		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TFC	208-230 V / 3~ / 60 Hz	220		Y	2.18