



Minimum Evaporating Temp. With:
█ 20 °C Suction Gas Return Liquid injection
█ 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	13.40	16.95	21.30	26.40	32.40	39.40
5.0	13.35	16.90	21.20	26.30	32.20	39.20
10.0	12.75	16.10	20.20	25.10	30.80	37.40
15.0	12.15	15.35	19.25	23.90	29.30	35.50
20.0	11.50	14.60	18.30	22.70	27.80	33.70
25.0	10.90	13.85	17.35	21.50	26.30	31.90
30.0	10.30	13.10	16.35	20.20	24.80	30.00
35.0	9.68	12.30	15.40	19.00	23.20	28.10
40.0	9.05	11.50	14.35	17.75	21.70	26.20
45.0	8.39	10.70	13.35	16.45	20.10	24.30
50.0	7.70	9.83	12.30	15.10	18.45	22.30
54.4	7.07	9.05	11.30	13.95	16.95	20.50

Cond °C	Power, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
4.0	5.05	5.45	5.77	6.01	6.20	6.33
5.0	5.09	5.51	5.85	6.10	6.30	6.46
10.0	5.49	6.00	6.44	6.83	7.19	7.52
15.0	5.86	6.43	6.97	7.47	7.96	8.45
20.0	6.22	6.84	7.45	8.04	8.64	9.27
25.0	6.61	7.26	7.91	8.58	9.27	10.00
30.0	7.06	7.71	8.39	9.10	9.87	10.70
35.0	7.60	8.23	8.91	9.66	10.45	11.35
40.0	8.25	8.85	9.51	10.25	11.10	12.05
45.0	9.05	9.59	10.20	10.95	11.80	12.80
50.0	10.05	10.50	11.05	11.75	12.60	13.55
54.4	11.05	11.45	11.95	12.55	13.40	14.35

Cond °C	Current at 400 V, A					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
4.0	15.14	15.19	15.24	15.29	15.34	15.41
5.0	15.15	15.21	15.27	15.34	15.42	15.51
10.0	15.17	15.35	15.56	15.79	16.05	16.35
15.0	15.23	15.52	15.85	16.23	16.65	17.12
20.0	15.35	15.72	16.16	16.66	17.23	17.86
25.0	15.55	16.00	16.52	17.12	17.81	18.59
30.0	15.87	16.36	16.94	17.63	18.42	19.32
35.0	16.31	16.83	17.46	18.22	19.10	20.10
40.0	16.91	17.44	18.10	18.90	19.84	20.93
45.0	17.70	18.21	18.88	19.71	20.70	21.85
50.0	18.68	19.17	19.83	20.66	21.68	22.87
54.4	19.74	20.18	20.81	21.64	22.66	23.88

Cond °C	Suction Mass Flow, g/s					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
4.0	72.10	91.40	115.00	143.50	177.00	216.00
5.0	72.10	91.40	115.00	143.00	176.50	216.00
10.0	71.50	90.70	114.00	142.00	175.50	214.00
15.0	70.90	90.10	113.50	141.00	174.00	213.00
20.0	70.40	89.60	112.50	140.00	173.00	211.00
25.0	70.00	89.00	112.00	139.00	171.50	209.00
30.0	69.50	88.50	111.00	138.50	170.00	208.00
35.0	69.00	88.00	110.50	137.00	169.00	206.00
40.0	68.50	87.40	109.50	136.00	167.50	204.00
45.0	67.80	86.70	109.00	135.00	166.00	203.00
50.0	67.10	86.00	108.00	134.00	164.50	201.00
54.4	66.50	85.40	107.50	133.00	163.50	199.50

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:	-35 / 40 / 20 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
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