



Minimum Evaporating Temp. With:
█ 20 °C Suction Gas Return Liquid injection
█ Maximum Evaporating Temperature

Suction Return Temperature 20.0°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	-10.0	-5.0
5.0	9.65	12.25	15.45	19.35	24.00	29.40	35.80	
10.0	9.34	11.90	15.00	18.80	23.30	28.60	34.80	
15.0	9.00	11.50	14.55	18.20	22.60	27.70	33.70	
20.0	8.65	11.05	14.05	17.60	21.80	26.80	32.50	39.10
25.0	8.27	10.65	13.50	16.90	21.00	25.70	31.20	37.60
30.0	7.88	10.15	12.90	16.20	20.10	24.60	29.90	36.00
35.0	7.47	9.65	12.25	15.40	19.10	23.40	28.50	34.30
40.0	7.04	9.12	11.60	14.55	18.10	22.20	27.00	32.50
45.0	6.60	8.56	10.90	13.70	17.00	20.90	25.40	30.70
50.0	6.14	7.98	10.15	12.80	15.85	19.50	23.80	28.70
55.0	5.67	7.38	9.41	11.80	14.70	18.05	22.00	26.70

Cond °C	Power, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	4.02	4.11	4.29	4.52	4.80	5.09	5.39	
10.0	4.27	4.36	4.54	4.79	5.09	5.42	5.77	
15.0	4.59	4.67	4.85	5.11	5.43	5.80	6.18	
20.0	4.98	5.05	5.23	5.50	5.84	6.23	6.65	7.09
25.0	5.48	5.53	5.70	5.97	6.32	6.74	7.20	7.68
30.0	6.08	6.11	6.27	6.54	6.90	7.33	7.82	8.34
35.0	6.81	6.81	6.95	7.22	7.59	8.04	8.55	9.11
40.0	7.68	7.65	7.78	8.03	8.40	8.86	9.40	9.98
45.0	8.71	8.65	8.75	8.99	9.35	9.82	10.35	11.00
50.0	9.92	9.81	9.88	10.10	10.45	10.95	11.50	12.15
55.0	11.30	11.15	11.20	11.40	11.75	12.20	12.80	13.45

Cond °C	Current at 400 V, A							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	8.95	9.32	9.75	10.22	10.71	11.20	11.67	
10.0	9.74	10.02	10.38	10.81	11.27	11.75	12.23	
15.0	10.46	10.67	10.97	11.35	11.79	12.27	12.77	
20.0	11.17	11.30	11.55	11.90	12.33	12.81	13.34	13.88
25.0	11.90	11.96	12.17	12.49	12.91	13.41	13.96	14.55
30.0	12.69	12.70	12.86	13.17	13.58	14.10	14.69	15.34
35.0	13.59	13.55	13.68	13.97	14.40	14.94	15.58	16.29
40.0	14.64	14.56	14.66	14.95	15.39	15.96	16.65	17.44
45.0	15.89	15.77	15.86	16.14	16.60	17.21	17.96	18.82
50.0	17.38	17.22	17.30	17.59	18.07	18.73	19.55	20.49
55.0	19.14	18.96	19.03	19.34	19.85	20.57	21.45	22.49

Cond °C	Suction Mass Flow, g/s							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	42.80	54.30	68.70	86.30	107.50	132.50	162.00	
10.0	42.70	54.50	69.00	86.70	108.00	133.00	162.50	
15.0	42.60	54.60	69.20	87.00	108.50	133.50	163.00	
20.0	42.50	54.50	69.30	87.10	108.50	134.00	163.50	198.00
25.0	42.20	54.40	69.20	87.10	108.50	133.50	163.50	198.00
30.0	41.90	54.10	68.90	86.80	108.00	133.50	163.00	198.00
35.0	41.50	53.70	68.50	86.30	107.50	133.00	162.50	197.00
40.0	40.90	53.20	67.90	85.60	107.00	132.00	161.50	196.00
45.0	40.40	52.50	67.20	84.70	105.50	130.50	160.00	195.00
50.0	39.70	51.80	66.20	83.60	104.50	129.00	158.50	193.00
55.0	39.00	50.90	65.10	82.20	102.50	127.50	156.50	191.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	42.4
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 (LT), dBA	72
Sound Power (LT), dBA	83
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
PED Category	II
Max. Internal Free Volume, l	13.3
High Side PS gauge, bar	32
Low Side PS gauge, bar	22.6
Refrigerant's GWP	1397
Refrigerant's classification	A1

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

Maximum Operating Current, A	30
Locked Rotor Current, A	139
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	66 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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04