



Minimum Evaporating Temp. With:

- █ 20 °C Suction Gas Return ASERCOM certified 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	-10.0	-5.0
5.0	7.65	9.84	12.50	15.75	19.55	24.00	29.10	
10.0	7.38	9.51	12.10	15.20	18.90	23.20	28.10	
15.0	7.12	9.17	11.70	14.70	18.20	22.30	27.10	
20.0	6.85	8.84	11.25	14.15	17.50	21.50	26.00	31.20
25.0	6.59	8.49	10.80	13.55	16.80	20.60	24.90	29.90
30.0	6.31	8.14	10.35	12.95	16.05	19.65	23.80	28.60
35.0	6.03	7.77	9.87	12.35	15.30	18.70	22.70	27.20
40.0	5.73	7.39	9.37	11.75	14.50	17.75	21.50	25.80
45.0	5.42	6.98	8.85	11.05	13.65	16.70	20.20	24.30
50.0	5.09	6.55	8.30	10.35	12.80	15.65	18.95	22.80
55.0	4.73	6.09	7.71	9.63	11.90	14.55	17.65	21.20

Cond °C	Power, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	3.10	3.45	3.86	4.33	4.91	5.62	6.47	
10.0	3.33	3.69	4.09	4.56	5.14	5.84	6.70	
15.0	3.57	3.92	4.32	4.79	5.36	6.06	6.91	
20.0	3.84	4.18	4.57	5.04	5.60	6.29	7.13	8.14
25.0	4.15	4.48	4.86	5.32	5.87	6.54	7.37	8.38
30.0	4.52	4.84	5.21	5.65	6.19	6.85	7.66	8.65
35.0	4.97	5.28	5.63	6.05	6.57	7.22	8.01	8.98
40.0	5.52	5.81	6.14	6.54	7.04	7.67	8.44	9.39
45.0	6.19	6.45	6.76	7.14	7.62	8.22	8.97	9.90
50.0	6.99	7.23	7.51	7.86	8.32	8.89	9.61	10.50
55.0	7.94	8.15	8.40	8.73	9.15	9.70	10.40	11.25

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	9.90	10.14	10.43	10.81	11.33	12.03	12.95	
10.0	10.07	10.33	10.63	11.03	11.57	12.28	13.22	
15.0	10.23	10.51	10.83	11.24	11.79	12.52	13.47	
20.0	10.42	10.71	11.04	11.46	12.02	12.76	13.73	14.96
25.0	10.66	10.95	11.29	11.72	12.29	13.04	14.01	15.25
30.0	10.97	11.27	11.62	12.06	12.63	13.38	14.36	15.61
35.0	11.39	11.69	12.04	12.48	13.06	13.82	14.80	16.04
40.0	11.94	12.25	12.59	13.03	13.61	14.37	15.35	16.59
45.0	12.66	12.96	13.30	13.74	14.31	15.06	16.04	17.28
50.0	13.56	13.85	14.19	14.62	15.19	15.93	16.90	18.14
55.0	14.67	14.96	15.29	15.71	16.27	17.00	17.96	19.19

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	34.10	43.90	56.10	70.70	88.20	108.50	132.50	
10.0	34.00	43.90	56.00	70.70	88.10	108.50	132.50	
15.0	33.90	43.80	56.00	70.60	88.00	108.50	132.00	
20.0	33.90	43.80	55.90	70.50	87.80	108.00	132.00	159.50
25.0	33.80	43.80	55.80	70.30	87.60	108.00	131.50	159.00
30.0	33.80	43.70	55.70	70.10	87.30	107.50	131.00	158.50
35.0	33.70	43.60	55.60	69.90	86.90	107.00	130.50	157.50
40.0	33.60	43.40	55.30	69.50	86.40	106.50	129.50	157.00
45.0	33.40	43.20	55.00	69.10	85.80	105.50	129.00	156.00
50.0	33.20	42.90	54.50	68.40	85.00	104.50	127.50	155.00
55.0	32.80	42.40	53.90	67.70	84.10	103.50	126.50	153.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	35.3
Length/Width, mm	280/280
Height, mm	534
Net Weight, kg	63.1
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	69
Sound Power (LT), dBA	80
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
Refrigerant's GWP	1397
Refrigerant's classification	A1

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

Maximum Operating Current, A	29
Locked Rotor Current, A	118
Winding Resistance, ohm	1.24
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
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