



Minimum Evaporating Temp. With:

- 25 °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	-10.0	-5.0	0.0	5.0	7.0
10.0	3.63	4.46	5.42	6.54	7.81	9.24					
15.0	3.59	4.44	5.41	6.54	7.81	9.24	10.85				
20.0	3.53	4.39	5.38	6.50	7.77	9.19	10.80	12.55			
25.0	3.46	4.32	5.30	6.42	7.69	9.10	10.65	12.40	14.30		
30.0	3.36	4.22	5.20	6.31	7.56	8.95	10.50	12.20	14.05	16.05	16.95
35.0	3.24	4.10	5.07	6.16	7.39	8.75	10.25	11.90	13.75	15.70	16.55
40.0	3.10	3.95	4.90	5.98	7.18	8.51	9.98	11.60	13.35	15.30	16.10
45.0		3.78	4.71	5.76	6.92	8.22	9.64	11.20	12.95	14.80	15.60
50.0		3.59	4.49	5.50	6.63	7.88	9.26	10.75	12.40	14.25	15.00
55.0			4.24	5.21	6.29	7.49	8.82	10.25	11.85	13.60	14.35
60.0						7.06	8.32	9.71	11.25	12.90	13.60

Cond °C	Power, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	1.53	1.58	1.64	1.68	1.71	1.72					
15.0	1.70	1.76	1.82	1.88	1.92	1.96	1.97				
20.0	1.88	1.94	2.01	2.08	2.14	2.19	2.22	2.23			
25.0	2.07	2.14	2.22	2.30	2.37	2.43	2.48	2.51	2.52		
30.0	2.30	2.37	2.46	2.54	2.62	2.70	2.76	2.81	2.84	2.84	2.84
35.0	2.56	2.64	2.72	2.81	2.90	2.99	3.06	3.13	3.17	3.20	3.20
40.0	2.87	2.95	3.03	3.13	3.22	3.31	3.40	3.47	3.54	3.58	3.59
45.0		3.30	3.39	3.48	3.58	3.68	3.78	3.86	3.94	3.99	4.01
50.0		3.72	3.80	3.90	4.00	4.10	4.20	4.30	4.38	4.45	4.48
55.0			4.28	4.37	4.47	4.58	4.68	4.79	4.88	4.97	4.99
60.0						5.12	5.23	5.34	5.44	5.54	5.57

Cond °C	Current at 400 V, A										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	4.27	4.33	4.39	4.44	4.48	4.51					
15.0	4.40	4.46	4.52	4.59	4.64	4.68	4.70				
20.0	4.56	4.63	4.70	4.77	4.84	4.90	4.93	4.94			
25.0	4.77	4.84	4.91	5.00	5.08	5.15	5.20	5.23	5.23		
30.0	5.02	5.09	5.17	5.26	5.36	5.44	5.51	5.56	5.59	5.57	5.56
35.0	5.32	5.39	5.48	5.58	5.68	5.78	5.87	5.94	5.99	6.00	6.00
40.0	5.67	5.74	5.84	5.94	6.06	6.17	6.28	6.37	6.44	6.48	6.49
45.0		6.15	6.25	6.36	6.49	6.62	6.74	6.85	6.94	7.01	7.03
50.0		6.62	6.72	6.84	6.98	7.12	7.25	7.39	7.50	7.59	7.62
55.0			7.25	7.38	7.52	7.68	7.83	7.98	8.12	8.24	8.28
60.0						8.30	8.48	8.64	8.80	8.95	9.00

Cond °C	Suction Mass Flow, g/s										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	16.25	20.60	25.80	32.10	39.70	48.60					
15.0	16.20	20.60	25.90	32.30	39.90	48.90	59.60				
20.0	16.05	20.50	25.90	32.40	40.00	49.10	59.70	72.30			
25.0	15.85	20.40	25.80	32.30	40.00	49.00	59.70	72.20	87.00		
30.0	15.55	20.10	25.60	32.10	39.80	48.80	59.40	71.90	86.60	104.00	112.00
35.0	15.20	19.80	25.30	31.80	39.40	48.40	59.00	71.40	86.10	103.50	111.00
40.0	14.80	19.40	24.80	31.30	38.90	47.90	58.40	70.70	85.30	102.50	110.50
45.0		18.85	24.30	30.70	38.20	47.10	57.50	69.80	84.30	101.50	109.00
50.0		18.25	23.60	29.90	37.40	46.10	56.50	68.60	83.00	100.00	108.00
55.0			22.80	29.00	36.30	45.00	55.20	67.20	81.50	98.50	106.00
60.0						43.60	53.60	65.50	79.70	96.60	104.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	11.7
Length/Width, mm	246/250
Height, mm	481
Net Weight, kg	38.6
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.89
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	65
Sound Power (LT), dBA	76
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
High Side PS gauge, bar	32
Low Side PS gauge, bar	21
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	9
Locked Rotor Current, A	64
Winding Resistance, ohm	2.75
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	NTC sensor
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Valve Coil	220V
Valve Coil	24V AC
Solenoid Valve Kit	220 V Ac 12" lead Length
Solenoid Valve Kit	24 V Ac 12" lead Length
Digital Tubing Kit	220 V 0.3m Rotalock
Digital Tubing Kit	24 V 0.3m Rotalock
Digital Control Kit	EC2-552
Digital Control Kit	EC3-652
Digital Driver	EC3-D13

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