



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 20 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW							
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	19.05	23.50	28.70	34.60				
15.0	18.15	22.70	28.00	33.90				
20.0	17.10	21.70	27.00	32.90	39.60			
25.0	15.90	20.50	25.80	31.70	38.30	45.70		
30.0	14.45	19.15	24.40	30.20	36.80	44.10	52.30	55.90
35.0		17.55	22.70	28.50	35.00	42.20	50.20	53.70
40.0			20.90	26.60	32.90	40.00	47.80	51.20
45.0				24.40	30.60	37.50	45.20	48.50
50.0				22.10	28.10	34.80	42.20	45.40
55.0					25.30	31.80	39.00	42.10
60.0						28.60	35.50	38.40

Cond °C	Power, kW							
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	4.51	4.56	4.66	4.83				
15.0	5.25	5.27	5.34	5.48				
20.0	6.09	6.08	6.12	6.23	6.41			
25.0	7.05	7.00	7.01	7.09	7.25	7.47		
30.0	8.12	8.03	8.01	8.07	8.19	8.39	8.66	8.79
35.0		9.19	9.13	9.16	9.25	9.42	9.67	9.79
40.0			10.40	10.35	10.45	10.55	10.80	10.90
45.0				11.70	11.75	11.85	12.05	12.15
50.0				13.20	13.20	13.30	13.45	13.55
55.0					14.80	14.85	14.95	15.05
60.0						16.55	16.65	16.70

Cond °C	Current at 400 V, A							
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	14.27	14.40	14.63	14.96				
15.0	16.01	16.07	16.22	16.47				
20.0	17.57	17.56	17.64	17.82	18.10			
25.0	18.99	18.92	18.94	19.06	19.27	19.59		
30.0	20.35	20.22	20.19	20.25	20.40	20.66	21.02	21.19
35.0		21.52	21.44	21.44	21.55	21.75	22.06	22.21
40.0			22.75	22.71	22.77	22.92	23.18	23.32
45.0				24.11	24.13	24.24	24.46	24.58
50.0				25.69	25.68	25.76	25.94	26.05
55.0					27.48	27.54	27.70	27.79
60.0						29.64	29.78	29.86

Cond °C	Suction Mass Flow, g/s							
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	87.90	109.00	133.50	162.00				
15.0	86.80	109.00	134.50	164.00				
20.0	84.80	108.00	135.00	165.50	200.00			
25.0	81.80	106.00	134.00	165.50	202.00	243.00		
30.0	77.70	103.00	132.00	164.50	202.00	245.00	293.00	315.00
35.0		98.90	129.00	162.50	201.00	245.00	295.00	317.00
40.0			124.00	159.00	198.50	244.00	295.00	318.00
45.0				154.00	194.50	241.00	294.00	317.00
50.0				147.50	189.00	237.00	291.00	315.00
55.0					182.00	231.00	287.00	312.00
60.0						223.00	281.00	307.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	43.3
Length/Width, mm	264/285
Height, mm	552
Net Weight, kg	66.2
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	3.25
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 (8.5)
Sound Pressure @ 1m (MT), dBA	71
Sound Power (MT), dBA	82
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	2
Max. Internal Free Volume, l	14.0
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	1397
Refrigerant's classification	A1

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

Maximum Operating Current, A	33.3
Locked Rotor Current, A	174
Winding Resistance, ohm	0.83
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermistor
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	66 W External
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
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
TWE	500 V / 3~ / 50 Hz	500		Y	0.80
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TWE	575 V / 3~ / 60 Hz	575		Y	0.80
TW7	380 V / 3~ / 60 Hz	380		Y	1.26
TW5	200-230 V / 3~ / 60 Hz	230		Y	2.30