



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	8.67	10.75	13.20	16.10				
15.0	8.32	10.40	12.85	15.65				
20.0	7.91	10.00	12.40	15.15	18.35			
25.0	7.42	9.51	11.85	14.55	17.65	21.20		
30.0	6.86	8.96	11.30	13.90	16.90	20.30	24.30	26.00
35.0		8.32	10.60	13.15	16.05	19.35	23.10	24.70
40.0			9.87	12.35	15.15	18.25	21.80	23.40
45.0				11.45	14.15	17.15	20.50	22.00
50.0				10.50	13.05	15.90	19.10	20.50
55.0					11.90	14.60	17.65	18.95
60.0						13.20	16.05	17.30

Cond °C	Power, kW							
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	2.24	2.30	2.35	2.39				
15.0	2.50	2.56	2.62	2.67				
20.0	2.79	2.86	2.92	2.97	3.01			
25.0	3.14	3.20	3.25	3.30	3.35	3.38		
30.0	3.53	3.59	3.64	3.69	3.73	3.77	3.79	3.80
35.0		4.05	4.09	4.14	4.17	4.20	4.23	4.23
40.0			4.62	4.65	4.68	4.70	4.72	4.72
45.0				5.24	5.26	5.27	5.28	5.28
50.0				5.92	5.93	5.93	5.92	5.92
55.0					6.69	6.67	6.66	6.65
60.0						7.52	7.49	7.47

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	7.50	7.54	7.57	7.60				
15.0	7.68	7.72	7.77	7.80				
20.0	7.89	7.94	7.99	8.03	8.07			
25.0	8.17	8.22	8.27	8.32	8.36	8.39		
30.0	8.52	8.57	8.62	8.67	8.71	8.74	8.76	8.77
35.0		9.02	9.06	9.10	9.14	9.17	9.19	9.20
40.0			9.61	9.64	9.67	9.69	9.71	9.72
45.0				10.30	10.32	10.34	10.35	10.35
50.0				11.11	11.11	11.11	11.11	11.11
55.0					12.06	12.05	12.03	12.02
60.0						13.15	13.11	13.09

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	40.00	49.80	61.50	75.40				
15.0	39.80	49.90	61.80	75.90				
20.0	39.20	49.70	61.90	76.20	92.90			
25.0	38.20	49.20	61.70	76.20	93.00	113.00		
30.0	36.80	48.30	61.10	75.80	92.80	112.50	136.00	146.50
35.0		46.90	60.10	75.10	92.20	112.00	135.50	146.00
40.0			58.70	73.90	91.30	111.50	134.50	145.00
45.0				72.20	89.90	110.00	133.50	144.00
50.0				70.00	87.90	108.50	132.00	142.50
55.0					85.30	106.00	130.00	140.50
60.0						103.00	127.50	138.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	19.8
Length/Width, mm	263/284
Height, mm	480
Net Weight, kg	59
Stub Suction, inch	1 1/8
Stub Discharge, inch	7/8
Oil Quantity, l	2.65
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)
PED Category	2
Max. Internal Free Volume, l	10.5
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	14.6
Locked Rotor Current, A	100
Winding Resistance, ohm	1.75
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection
Mounting Grommets

Internal Thermistor
Standard

ACCESSORIES OPTIONAL

Crankcase Heater
Enclosure Class
Mounting Grommets
Oil Control System
Sound Attenuation
Rotalock valves

66 W External
IP66 With Molded Plug
Hard Mounts for Paralleling
ALCO Trax-Oil OM3
Sound Shell (10dBA)
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
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.09
TFE	500 V / 3~ / 50 Hz	500		Y	0.80
TW5	200-220 V / 3~ / 50 Hz	200		Y	2.30
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.09
TFE	575 V / 3~ / 60 Hz	575		Y	0.80