



Minimum Evaporating Temp. With:

- █ 25 °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	2.09	2.64	3.31			
-5.0	2.16	2.71	3.39	4.21		
0.0	2.20	2.75	3.43	4.24	5.20	
5.0	2.21	2.76	3.44	4.24	5.19	
10.0	2.19	2.75	3.41	4.21	5.14	6.23

Cond °C	Power, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
-10.0	0.76	0.82	0.90			
-5.0	0.86	0.92	1.00	1.09		
0.0	0.97	1.02	1.10	1.18	1.29	
5.0	1.08	1.13	1.20	1.28	1.38	
10.0	1.19	1.24	1.30	1.38	1.48	1.60

Cond °C	Current at 400 V, A					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
-10.0	2.96	2.98	3.02			
-5.0	3.08	3.10	3.13	3.18		
0.0	3.18	3.20	3.23	3.27	3.32	
5.0	3.27	3.28	3.31	3.35	3.40	
10.0	3.34	3.36	3.39	3.43	3.48	3.54

Cond °C	Suction Mass Flow, g/s					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
-10.0	8.80	11.10	14.00			
-5.0	9.31	11.70	14.65	18.25		
0.0	9.70	12.20	15.20	18.85	23.20	
5.0	10.00	12.55	15.65	19.35	23.80	
10.0	10.20	12.85	16.00	19.75	24.20	29.50

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	9.95
Length/Width, mm	243/244
Height, mm	405
Net Weight, kg	28
Gross Weight, kg	31
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.1
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 (LT), dBA	63
Sound Power (LT), dBA	74
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	7
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

**ACCESSORIES OPTIONAL**

Oil Control System	ALCO Trax-Oil OM3
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**MOTOR OPTIONS**

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.09
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.09
TF7	380 V / 3~ / 60 Hz	380		Y	1.26