



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	15.25	18.95	23.30	28.10				
15.0	14.70	18.50	22.90	27.90				
20.0	14.00	17.85	22.30	27.30	32.90			
25.0	13.15	17.00	21.40	26.50	32.00	38.10		
30.0		15.95	20.40	25.40	30.90	36.90	43.50	46.20
35.0			19.10	24.00	29.50	35.50	41.90	44.60
40.0			17.70	22.50	27.80	33.70	40.00	42.70
45.0				20.70	25.90	31.60	37.80	40.40
50.0					23.70	29.20	35.20	37.70
55.0						26.60	32.30	34.80

50 Hz

ZB95K5E-TFD

R407A Dew Point

Cond °C	Power, kW							
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	4.03	4.16	4.31	4.41				
15.0	4.48	4.62	4.80	4.97				
20.0	5.01	5.13	5.32	5.53	5.69			
25.0	5.64	5.73	5.91	6.13	6.33	6.46		
30.0		6.44	6.58	6.79	7.02	7.19	7.27	7.27
35.0			7.38	7.56	7.78	7.98	8.11	8.13
40.0			8.34	8.46	8.66	8.86	9.02	9.06
45.0				9.53	9.67	9.85	10.00	10.05
50.0					10.85	11.00	11.15	11.20
55.0						12.35	12.45	12.50

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	9.98	10.26	10.39	10.35				
15.0	10.52	10.83	11.04	11.11				
20.0	11.16	11.47	11.72	11.88	11.93			
25.0	11.95	12.23	12.48	12.69	12.84	12.89		
30.0		13.17	13.39	13.62	13.81	13.97	14.05	14.06
35.0			14.50	14.71	14.92	15.14	15.32	15.38
40.0			15.87	16.02	16.22	16.46	16.71	16.81
45.0				17.60	17.76	17.99	18.27	18.40
50.0					19.60	19.79	20.07	20.21
55.0						21.90	22.15	22.28

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	71.50	89.30	110.00	134.00				
15.0	71.40	90.20	112.00	137.50				
20.0	70.50	90.30	113.50	139.50	169.00			
25.0	68.90	89.40	113.50	141.00	171.50	206.00		
30.0		87.60	112.50	140.50	172.50	208.00	247.00	264.00
35.0			110.00	139.50	172.50	209.00	250.00	267.00
40.0			107.00	136.50	170.50	208.00	251.00	269.00
45.0				132.50	167.00	206.00	250.00	268.00
50.0					162.00	202.00	247.00	266.00
55.0						196.00	242.00	261.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	36.4
Length/Width, mm	280/280
Height, mm	552
Net Weight, kg	64.9
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 (MT), dBA	70
Sound Power (MT), dBA	81
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
Refrigerant's GWP	2107
Refrigerant's classification	A1

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

Maximum Operating Current, A	28.2
Locked Rotor Current, A	140
Winding Resistance, ohm	1.09
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Standard
Discharge Temperature Protection	Internal Thermistor

ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Enclosure Class	IP66 With Molded Plug
Rotalock valves	suction and discharge
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Mounting Grommets	Hard Mounts for Paralleling

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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04