



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °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								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
4.0	17.15	21.00	25.60						
5.0	17.10	20.90	25.50						
10.0	16.50	20.20	24.70	30.00					
15.0	15.80	19.55	23.90	29.00	35.10				
20.0	15.00	18.75	23.00	27.90	33.70	40.60			
25.0	14.00	17.80	22.00	26.80	32.30	38.80	46.40		
30.0		16.70	20.90	25.60	30.90	37.10	44.30	47.50	52.60
35.0		15.35	19.60	24.20	29.40	35.30	42.10	45.10	50.00
40.0			18.15	22.70	27.80	33.40	39.90	42.70	47.30
45.0			16.40	21.00	26.00	31.40	37.60	40.30	44.60
50.0				19.00	23.90	29.30	35.20	37.80	41.90
55.0					21.70	26.90	32.60	35.10	39.00
60.0					19.10	24.30	29.80	32.20	35.90

50 Hz

ZB95K5E-TFD

R449A Dew Point

Cond °C	Power, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
4.0	3.14	3.23	3.35						
5.0	3.20	3.28	3.40						
10.0	3.71	3.77	3.87	4.01					
15.0	4.30	4.34	4.42	4.54	4.71				
20.0	4.98	4.99	5.05	5.16	5.30	5.49			
25.0	5.75	5.74	5.78	5.87	5.99	6.16	6.37		
30.0		6.59	6.61	6.67	6.79	6.94	7.13	7.22	7.36
35.0		7.53	7.54	7.59	7.68	7.82	8.00	8.08	8.22
40.0			8.58	8.61	8.69	8.82	8.98	9.06	9.19
45.0			9.73	9.75	9.82	9.93	10.10	10.15	10.25
50.0				11.00	11.05	11.15	11.30	11.40	11.50
55.0					12.45	12.55	12.65	12.75	12.85
60.0					13.95	14.05	14.15	14.20	14.30

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
4.0	10.79	10.86	10.97						
5.0	10.83	10.90	11.01						
10.0	11.28	11.33	11.42	11.56					
15.0	11.85	11.88	11.96	12.09	12.27				
20.0	12.57	12.59	12.65	12.76	12.93	13.14			
25.0	13.46	13.45	13.50	13.60	13.75	13.95	14.21		
30.0		14.49	14.52	14.61	14.75	14.95	15.19	15.31	15.49
35.0		15.74	15.75	15.82	15.95	16.13	16.37	16.49	16.67
40.0			17.18	17.24	17.35	17.53	17.77	17.88	18.06
45.0			18.85	18.89	18.99	19.16	19.38	19.49	19.67
50.0				20.79	20.87	21.03	21.25	21.35	21.53
55.0					23.02	23.16	23.37	23.47	23.65
60.0					25.45	25.57	25.77	25.87	26.04

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
4.0	76.80	94.20	115.50						
5.0	76.80	94.20	115.50						
10.0	76.60	94.30	115.50	141.50					
15.0	76.00	94.30	116.00	141.50	172.50				
20.0	74.80	93.80	115.50	141.50	172.00	209.00			
25.0	72.60	92.70	115.50	141.00	171.50	208.00	251.00		
30.0		90.70	114.00	140.50	171.50	207.00	250.00	270.00	302.00
35.0		87.30	112.00	139.50	170.50	207.00	249.00	269.00	300.00
40.0			108.50	137.00	169.00	206.00	248.00	268.00	299.00
45.0			103.50	133.50	166.50	204.00	247.00	267.00	298.00
50.0				128.00	163.00	201.00	245.00	265.00	297.00
55.0					157.00	197.50	243.00	263.00	295.00
60.0					149.00	191.50	239.00	260.00	294.00

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	1397
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

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	90 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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04