



Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

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	15.20	19.15	23.80	29.20				
15.0	14.30	18.25	22.80	28.10				
20.0	13.30	17.20	21.70	26.90	32.80			
25.0	12.20	16.05	20.50	25.60	31.40	37.90		
30.0	11.05	14.80	19.10	24.10	29.70	36.10	43.30	46.50
35.0	9.76	13.45	17.65	22.40	27.90	34.10	41.10	44.20
40.0		12.00	16.05	20.70	25.90	31.90	38.70	41.70
45.0			14.40	18.80	23.80	29.60	36.10	39.00
50.0				16.85	21.60	27.10	33.40	36.10
55.0				14.75	19.30	24.50	30.50	33.10

50 Hz

ZB95KCE-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	3.94	4.03	4.13	4.25				
15.0	4.51	4.60	4.69	4.80				
20.0	5.14	5.24	5.33	5.43	5.55			
25.0	5.84	5.95	6.05	6.14	6.24	6.38		
30.0	6.60	6.74	6.85	6.94	7.03	7.14	7.28	7.36
35.0	7.44	7.61	7.73	7.83	7.91	8.01	8.12	8.18
40.0		8.56	8.70	8.81	8.90	8.98	9.08	9.12
45.0			9.77	9.89	9.99	10.05	10.15	10.20
50.0				11.10	11.20	11.25	11.35	11.35
55.0				12.35	12.50	12.60	12.65	12.70

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	9.38	9.59	9.81	10.08				
15.0	10.78	10.95	11.13	11.33				
20.0	12.00	12.16	12.30	12.46	12.64			
25.0	13.10	13.26	13.39	13.51	13.66	13.84		
30.0	14.15	14.32	14.45	14.56	14.68	14.81	14.99	15.09
35.0	15.19	15.40	15.55	15.66	15.76	15.87	16.01	16.08
40.0		16.56	16.74	16.87	16.98	17.07	17.18	17.24
45.0			18.09	18.25	18.38	18.48	18.58	18.62
50.0				19.86	20.02	20.14	20.25	20.30
55.0				21.76	21.97	22.13	22.26	22.31

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	82.50	102.50	125.00	151.00				
15.0	80.90	101.50	125.00	151.50				
20.0	78.50	99.80	124.00	151.00	181.50			
25.0	75.40	97.40	122.00	150.00	181.00	216.00		
30.0	71.50	94.20	119.50	147.50	179.50	214.00	254.00	270.00
35.0	66.70	90.10	116.00	144.50	176.50	212.00	252.00	269.00
40.0		85.10	111.50	140.50	173.00	209.00	250.00	267.00
45.0			106.00	135.50	168.50	205.00	246.00	264.00
50.0				129.50	163.00	200.00	242.00	260.00
55.0				122.00	156.00	194.00	236.00	254.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	36.4
Length/Width, mm	264/285
Height, mm	552
Net Weight, kg	64.9
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	67
Sound Power (MT), dBA	78
Sound Power with Sound Shell (MT), dBA	68
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	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 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermistor
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	66 W External
Sound Attenuation	Sound Shell (10dBA)
Rotalock valves	suction and discharge
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3

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