



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									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	11.40	14.30	17.85	22.10						
15.0	10.90	13.75	17.15	21.30						
20.0	10.40	13.15	16.45	20.40	25.10					
25.0	9.82	12.55	15.75	19.55	24.00	29.20	31.60			
30.0	9.20	11.85	15.00	18.65	22.90	27.90	30.20	33.80	37.00	
35.0	8.50	11.15	14.15	17.70	21.80	26.60	28.70	32.20	35.30	38.60
40.0	7.71	10.35	13.30	16.70	20.60	25.20	27.30	30.60	33.50	36.70
45.0		9.42	12.30	15.60	19.40	23.80	25.80	28.90	31.70	34.80
50.0			11.25	14.45	18.10	22.30	24.20	27.20	29.90	32.80
55.0			10.05	13.20	16.70	20.70	22.50	25.40	27.90	30.70
60.0				11.80	15.20	19.05	20.80	23.50	25.90	28.50
65.0					13.55	17.25	18.90	21.50	23.80	26.30
70.0					11.80	15.35	16.85	19.35	21.50	23.90
75.0						13.25	14.70	17.05	19.15	21.40

50 Hz

ZB95KCE-TFD

R134a

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	2.81	2.92	3.05	3.18						
15.0	3.14	3.24	3.35	3.47						
20.0	3.51	3.59	3.69	3.80	3.92					
25.0	3.91	3.99	4.07	4.16	4.28	4.41	4.47			
30.0	4.36	4.43	4.50	4.58	4.68	4.81	4.86	4.95	5.04	
35.0	4.87	4.93	4.99	5.06	5.15	5.27	5.32	5.40	5.48	5.57
40.0	5.44	5.49	5.55	5.61	5.70	5.80	5.85	5.93	6.00	6.08
45.0		6.13	6.18	6.24	6.32	6.41	6.46	6.53	6.60	6.68
50.0			6.90	6.96	7.03	7.12	7.16	7.23	7.29	7.37
55.0			7.72	7.77	7.84	7.92	7.96	8.02	8.09	8.16
60.0				8.69	8.75	8.83	8.87	8.93	8.99	9.06
65.0					9.78	9.86	9.89	9.95	10.00	10.10
70.0					10.95	11.00	11.05	11.10	11.15	11.25
75.0						12.30	12.35	12.40	12.45	12.50

Cond °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	12.64	12.71	12.78	12.84						
15.0	12.91	12.98	13.04	13.10						
20.0	13.15	13.21	13.27	13.33	13.40					
25.0	13.39	13.45	13.50	13.56	13.62	13.71	13.75			
30.0	13.67	13.71	13.76	13.82	13.88	13.97	14.01	14.08	14.14	
35.0	14.00	14.04	14.09	14.14	14.21	14.30	14.34	14.41	14.48	14.55
40.0	14.43	14.47	14.51	14.56	14.63	14.72	14.76	14.84	14.91	14.99
45.0		15.02	15.06	15.11	15.18	15.27	15.32	15.39	15.47	15.55
50.0			15.77	15.82	15.89	15.99	16.03	16.11	16.19	16.28
55.0			16.67	16.72	16.79	16.89	16.94	17.02	17.10	17.19
60.0				17.85	17.92	18.02	18.07	18.16	18.24	18.34
65.0					19.31	19.41	19.47	19.56	19.64	19.74
70.0					20.98	21.09	21.14	21.24	21.33	21.43
75.0						23.09	23.15	23.24	23.34	23.44

Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	63.10	77.80	95.40	116.00						
15.0	62.80	77.60	95.20	116.00						
20.0	62.30	77.40	95.00	115.50	139.50					
25.0	61.60	77.00	94.80	115.50	139.00	166.50	178.50			
30.0	60.40	76.30	94.30	115.00	138.50	166.00	177.50	197.00	214.00	
35.0	58.70	75.20	93.60	114.50	138.00	165.00	177.00	196.00	213.00	231.00
40.0	56.10	73.40	92.30	113.50	137.00	164.50	176.00	195.00	212.00	230.00
45.0		70.80	90.40	112.00	136.00	163.00	175.00	194.00	211.00	228.00
50.0			87.50	109.50	134.00	161.50	173.50	192.00	209.00	227.00
55.0			83.40	106.50	131.50	159.00	171.00	190.00	207.00	225.00
60.0				102.00	127.50	156.00	168.00	187.00	204.00	222.00
65.0					122.50	151.50	163.50	183.00	200.00	218.00
70.0					115.50	145.50	158.00	178.00	195.50	214.00
75.0						137.50	150.50	171.00	189.00	208.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/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, dBA	67
Sound Power, dBA	78
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	1430
Refrigerant's classification	A1

50 Hz

ZB95KCE-TFD

R134a

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