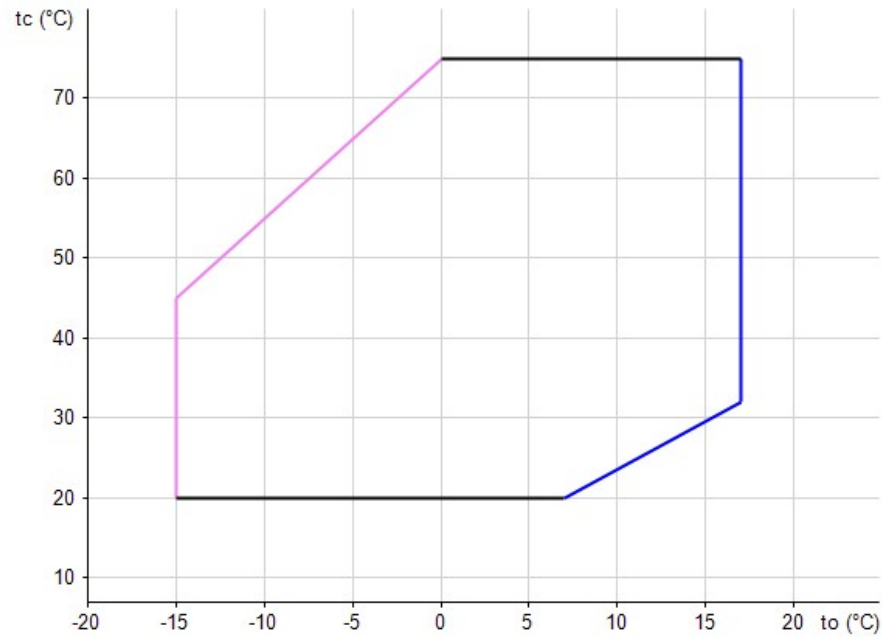


50 Hz

ZR94KCE-TFD

R134a



Minimum Evaporating Temp. With:

10 K Suction Superheat

Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	7.45	9.51	11.85	14.55	17.70	19.15			
25.0	7.12	9.20	11.55	14.20	17.30	18.70	20.90		
30.0	6.66	8.76	11.10	13.75	16.80	18.15	20.30	22.30	24.40
35.0	6.09	8.21	10.55	13.15	16.10	17.45	19.55	21.50	23.50
40.0	5.41	7.54	9.85	12.40	15.35	16.60	18.65	20.50	22.50
45.0	4.64	6.78	9.08	11.60	14.45	15.70	17.70	19.50	21.40
50.0		5.93	8.21	10.70	13.45	14.65	16.60	18.35	20.20
55.0		5.01	7.27	9.70	12.40	13.55	15.45	17.10	18.90
60.0			6.26	8.64	11.25	12.35	14.15	15.80	17.50
65.0			5.19	7.51	10.05	11.10	12.85	14.40	16.00
70.0				6.33	8.77	9.81	11.45	12.90	14.50
75.0				5.13	7.46	8.45	10.00	11.40	12.90

50 Hz ZR94KCE-TFD R134a

Cond °C	Power, kW								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	2.31	2.34	2.35	2.37	2.40	2.41			
25.0	2.51	2.54	2.56	2.58	2.60	2.61	2.63		
30.0	2.75	2.78	2.80	2.81	2.83	2.84	2.86	2.88	2.91
35.0	3.03	3.06	3.08	3.09	3.11	3.11	3.13	3.15	3.17
40.0	3.35	3.39	3.41	3.42	3.43	3.43	3.44	3.46	3.47
45.0	3.73	3.77	3.79	3.79	3.80	3.80	3.81	3.81	3.83
50.0		4.21	4.23	4.23	4.23	4.23	4.23	4.23	4.24
55.0		4.72	4.73	4.73	4.72	4.72	4.71	4.71	4.71
60.0			5.31	5.30	5.29	5.28	5.27	5.26	5.26
65.0			5.96	5.95	5.93	5.92	5.90	5.89	5.88
70.0				6.68	6.65	6.64	6.62	6.60	6.58
75.0				7.51	7.47	7.45	7.42	7.39	7.37

Cond °C	Current at 400 V, A								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	8.45	8.50	8.56	8.65	8.78	8.84			
25.0	8.48	8.52	8.56	8.62	8.71	8.75	8.83		
30.0	8.59	8.61	8.63	8.67	8.72	8.75	8.81	8.87	8.95
35.0	8.76	8.78	8.79	8.81	8.83	8.85	8.89	8.93	8.98
40.0	9.01	9.03	9.03	9.03	9.04	9.05	9.07	9.09	9.13
45.0	9.33	9.36	9.36	9.35	9.35	9.35	9.35	9.36	9.38
50.0		9.77	9.78	9.77	9.75	9.74	9.74	9.74	9.74
55.0		10.27	10.29	10.28	10.26	10.25	10.23	10.22	10.22
60.0			10.89	10.89	10.87	10.86	10.84	10.82	10.81
65.0			11.59	11.61	11.59	11.58	11.56	11.54	11.52
70.0				12.42	12.42	12.41	12.39	12.37	12.35
75.0				13.34	13.36	13.36	13.34	13.33	13.31

50 Hz

ZR94KCE-TFD

R134a

Cond °C	Suction Mass Flow, g/s								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	43.80	54.90	67.10	81.00	96.90	104.00			
25.0	43.70	55.40	68.10	82.40	98.60	105.50	117.00		
30.0	42.80	55.20	68.40	83.10	99.60	107.00	118.50	128.50	139.50
35.0	41.10	54.20	68.10	83.20	100.00	107.50	119.00	129.50	140.50
40.0	38.40	52.40	66.90	82.60	99.90	107.50	119.00	129.50	141.00
45.0	34.80	49.70	65.00	81.30	99.00	106.50	118.50	129.50	140.50
50.0		46.10	62.30	79.20	97.40	105.00	117.50	128.50	140.00
55.0		41.50	58.60	76.30	95.10	103.00	115.50	126.50	138.50
60.0			54.00	72.50	91.90	100.00	113.00	124.00	136.00
65.0			48.20	67.70	88.00	96.40	109.50	121.00	133.50
70.0				61.90	83.10	91.90	105.50	117.50	129.50
75.0				54.90	77.20	86.40	100.50	112.50	125.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	22.1
Length/Width, mm	281/285
Height, mm	476
Net Weight, kg	57.2
Stub Suction, inch	1 1/8
Stub Discharge, inch	7/8
Oil Quantity, l	2.65
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 (HT), dBA	63
Sound Power (HT), dBA	74
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	7 / 54 / 18 °C at 50 Hz
PED Category	2
Max. Internal Free Volume, l	10.5
High Side PS gauge, bar	32
Low Side PS gauge, bar	20
Low Side TS Max., °C	52
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	15.9
Locked Rotor Current, A	95
Winding Resistance, ohm	1.8
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll
Enclosure Class	IP21
Oil Charge	
Oil Service Valve	Schraeder Valve
Check Valve	Discharge Low Leak Check Valve

ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
Mounting Grommets	Rubber Grommet For Single
Adapter Kit	R1"1/4 -B 1"1/8 For TPTL for
Oil Control System	Parallel Operation
Sound Attenuation	ALCO Trax-Oil OM3
	Sound Shell (12dBA)

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
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.09
TFE	500 V / 3~ / 50 Hz	500		Y	0.80
TW5	200-220 V / 3~ / 50 Hz	200		Y	2.30
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.09
TW7	380 V / 3~ / 60 Hz	380		Y	1.26
TFE	575 V / 3~ / 60 Hz	575		Y	0.80
TF7	380 V / 3~ / 60 Hz	380		Y	1.26
TW5	200-230 V / 3~ / 60 Hz	230		Y	2.30