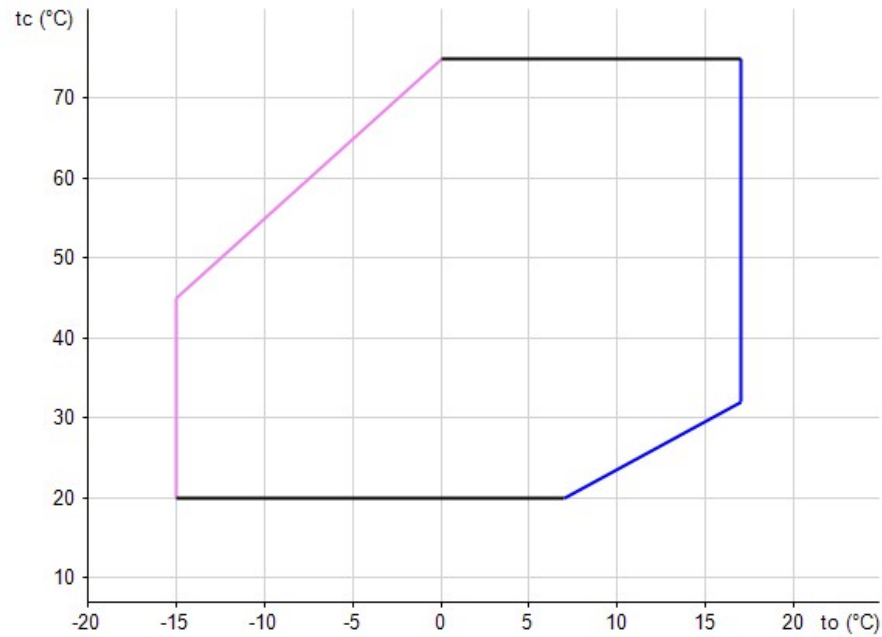


50 Hz

ZR144KRE-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	14.00	16.70	19.75	23.20	27.20	28.90			
25.0	13.25	16.00	19.10	22.60	26.60	28.30	31.00		
30.0	12.35	15.20	18.35	21.90	25.80	27.50	30.20	32.50	35.00
35.0	11.45	14.35	17.50	21.00	24.80	26.50	29.10	31.40	33.80
40.0	10.45	13.35	16.50	19.95	23.70	25.30	27.80	30.10	32.40
45.0	9.37	12.30	15.40	18.75	22.40	24.00	26.40	28.50	30.80
50.0		11.20	14.25	17.50	21.00	22.50	24.80	26.80	29.00
55.0		10.00	12.95	16.10	19.40	20.80	23.00	25.00	27.00
60.0			11.60	14.60	17.75	19.05	21.10	22.90	24.80
65.0			10.20	13.00	15.95	17.15	19.05	20.70	22.40
70.0				11.35	14.00	15.15	16.85	18.35	19.95
75.0				9.60	12.00	13.00	14.55	15.90	17.30

50 Hz

ZR144KRE-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	3.06	3.12	3.24	3.49	3.94	4.19			
25.0	3.36	3.41	3.48	3.64	3.96	4.15	4.51		
30.0	3.75	3.81	3.86	3.96	4.17	4.31	4.57	4.86	5.22
35.0	4.22	4.32	4.36	4.41	4.54	4.63	4.81	5.02	5.29
40.0	4.73	4.89	4.94	4.97	5.03	5.08	5.20	5.34	5.53
45.0	5.26	5.50	5.59	5.61	5.63	5.65	5.71	5.79	5.92
50.0		6.12	6.28	6.32	6.31	6.31	6.32	6.36	6.43
55.0		6.74	6.97	7.05	7.04	7.02	7.01	7.01	7.03
60.0			7.65	7.79	7.79	7.78	7.74	7.71	7.69
65.0			8.29	8.50	8.55	8.54	8.49	8.45	8.40
70.0				9.17	9.28	9.28	9.24	9.19	9.13
75.0				9.77	9.96	9.98	9.96	9.91	9.84

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	7.50	7.52	7.59	7.79	8.18	8.41			
25.0	8.09	8.11	8.16	8.30	8.61	8.80	9.16		
30.0	8.69	8.72	8.75	8.85	9.09	9.24	9.54	9.86	10.27
35.0	9.33	9.38	9.40	9.46	9.63	9.75	9.99	10.27	10.61
40.0	10.03	10.10	10.12	10.16	10.28	10.37	10.55	10.77	11.06
45.0	10.82	10.93	10.95	10.97	11.04	11.10	11.24	11.41	11.64
50.0		11.87	11.91	11.91	11.94	11.98	12.08	12.21	12.39
55.0		12.95	13.02	13.01	13.02	13.03	13.09	13.18	13.31
60.0			14.30	14.30	14.28	14.28	14.30	14.36	14.45
65.0			15.78	15.79	15.75	15.74	15.74	15.76	15.81
70.0				17.51	17.47	17.44	17.42	17.41	17.43
75.0				19.49	19.44	19.41	19.37	19.34	19.32

50 Hz		ZR144KRE-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	82.50	96.30	112.00	129.00	148.50	157.00			
25.0	81.30	96.40	113.00	131.00	151.00	160.00	173.50		
30.0	79.50	95.90	113.50	132.50	153.00	162.00	176.00	188.00	201.00
35.0	77.20	94.70	113.00	133.00	154.00	163.00	177.00	189.50	202.00
40.0	74.10	92.80	112.00	132.50	154.50	163.50	177.50	190.00	203.00
45.0	70.40	90.20	110.50	131.50	153.50	162.50	177.00	189.50	202.00
50.0		86.90	108.00	129.50	152.00	161.00	175.50	188.00	201.00
55.0		82.80	104.50	126.50	149.00	158.00	172.50	185.00	197.50
60.0			100.00	122.50	145.00	154.00	168.50	180.50	193.00
65.0			94.80	117.00	139.50	149.00	162.50	174.50	186.50
70.0				110.50	133.00	142.00	155.50	167.00	178.50
75.0				103.00	124.50	133.00	146.00	157.00	168.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	33.2
Length/Width, mm	281/284
Height, mm	533
Net Weight, kg	61.2
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
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 (0)
Sound Pressure @ 1m (HT), dBA	64
Sound Power (HT), dBA	75
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	5 / 50 / 15 °C at 50 Hz
PED Category	2
Max. Internal Free Volume, l	12.8
High Side PS gauge, bar	32
Low Side PS gauge, bar	20
Low Side TS Max., °C	53
Low Side TS Min., °C	-35
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	27
Locked Rotor Current, A	118
Winding Resistance, ohm	1.23
Default Enclosure Class	IP 21/65

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	67 W External
Enclosure Class	IP 65
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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04