



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
21.0	27.80	33.20	39.30	46.20	54.10	57.60			
25.0	26.50	32.00	38.20	45.20	53.10	56.60	62.00		
30.0	24.70	30.40	36.70	43.70	51.60	54.90	60.30	65.10	
35.0	22.90	28.70	35.00	42.00	49.60	53.00	58.20	62.80	67.70
40.0	20.90	26.70	33.00	39.90	47.40	50.60	55.70	60.10	64.90
45.0	18.75	24.60	30.80	37.50	44.80	47.90	52.80	57.10	61.60
50.0		22.40	28.50	35.00	42.00	44.90	49.60	53.70	58.00
55.0		20.00	25.90	32.20	38.80	41.70	46.10	49.90	53.90
60.0			23.20	29.20	35.50	38.10	42.20	45.80	49.60
65.0			20.40	26.00	31.80	34.30	38.10	41.40	44.90
70.0				22.70	28.00	30.30	33.70	36.70	39.90
74.1				19.80	24.80	26.80	30.00	32.70	35.60

50 Hz

ZRT288KCE-TFD

R134a

Cond °C	Power, kW								
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
21.0	6.21	6.32	6.54	7.00	7.85	8.33			
25.0	6.71	6.81	6.96	7.29	7.93	8.30	9.02		
30.0	7.50	7.63	7.72	7.92	8.35	8.61	9.14	9.72	
35.0	8.43	8.63	8.72	8.82	9.08	9.25	9.62	10.05	10.60
40.0	9.46	9.77	9.89	9.94	10.05	10.15	10.40	10.70	11.05
45.0	10.50	11.00	11.20	11.25	11.25	11.30	11.40	11.60	11.85
50.0		12.25	12.55	12.65	12.60	12.60	12.65	12.70	12.85
55.0		13.50	13.95	14.10	14.10	14.05	14.00	14.00	14.05
60.0			15.30	15.55	15.60	15.55	15.50	15.40	15.40
65.0			16.60	17.00	17.10	17.05	17.00	16.90	16.80
70.0				18.35	18.55	18.55	18.50	18.40	18.25
74.1				19.35	19.70	19.70	19.65	19.55	19.45

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
21.0	16.80	16.73	16.90	17.32	18.00	18.34			
25.0	17.35	17.22	17.32	17.65	18.21	18.50	19.01		
30.0	18.20	18.02	18.05	18.28	18.72	18.96	19.37	19.78	
35.0	19.25	19.04	19.02	19.17	19.50	19.69	20.03	20.36	20.74
40.0	20.51	20.29	20.22	20.31	20.56	20.71	20.97	21.24	21.55
45.0	21.99	21.77	21.68	21.72	21.90	22.01	22.22	22.43	22.68
50.0		23.48	23.38	23.39	23.52	23.60	23.76	23.92	24.12
55.0		25.42	25.34	25.34	25.42	25.48	25.60	25.73	25.88
60.0			27.55	27.55	27.62	27.66	27.75	27.85	27.96
65.0			30.01	30.04	30.10	30.14	30.21	30.28	30.37
70.0				32.80	32.88	32.92	32.98	33.04	33.10
74.1				35.28	35.38	35.42	35.48	35.54	35.59

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
21.0	164.50	193.00	224.00	259.00	298.00	315.00			
25.0	162.50	193.00	226.00	262.00	302.00	320.00	347.00		
30.0	159.00	191.50	227.00	265.00	306.00	324.00	352.00	376.00	
35.0	154.50	189.50	226.00	266.00	308.00	326.00	354.00	379.00	405.00
40.0	148.00	185.50	224.00	265.00	309.00	327.00	355.00	380.00	406.00
45.0	141.00	180.50	221.00	263.00	307.00	325.00	354.00	379.00	405.00
50.0		174.00	216.00	259.00	304.00	322.00	351.00	376.00	401.00
55.0		165.50	209.00	253.00	298.00	316.00	345.00	370.00	395.00
60.0			200.00	245.00	290.00	308.00	337.00	361.00	386.00
65.0			189.50	234.00	279.00	298.00	325.00	349.00	373.00
70.0				221.00	266.00	284.00	311.00	334.00	357.00
74.1				209.00	252.00	270.00	296.00	318.00	341.00

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	66.4
Length/Width, mm	635/312
Height, mm	577
Net Weight, kg	131
Gross Weight, kg	141
Stub Suction, inch	1 5/8
Stub Discharge, inch	1 3/8
Oil Quantity, l	6.51
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	775 x 220 (22.6)
Sound Pressure @ 1m (HT), dBA	64
Sound Power (HT), dBA	75
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
High Side PS gauge, bar	32
Low Side PS gauge, bar	20
Low Side TS Max., °C	52
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	2 x 22.3
Locked Rotor Current, A	2 x 118
Winding Resistance, ohm	0.72
Default Enclosure Class	IP 21 (IEC 34)

### **ACCESSORIES INCLUDED**

Mounting Grommets	Rubber Grommet For Single
Oil Service Valve	Schraeder Valve
Check Valve	Discharge Low Leak Check Valve
Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll
Enclosure Class	IP21
Oil Charge	

### **ACCESSORIES OPTIONAL**

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

### **MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.09
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.09