



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	31.20	38.90	48.10	58.90	71.60	77.30			
25.0	30.10	37.80	46.80	57.40	69.80	75.30	84.30		
30.0	28.60	36.10	45.00	55.20	67.30	72.60	81.30	89.20	
35.0	26.70	34.20	42.80	52.80	64.40	69.60	78.00	85.50	93.70
40.0	24.70	32.10	40.40	50.10	61.30	66.30	74.30	81.60	89.50
45.0	22.40	29.70	37.80	47.10	57.90	62.70	70.40	77.40	84.90
50.0		27.10	35.00	44.00	54.30	58.90	66.30	73.00	80.10
55.0		24.30	31.90	40.60	50.50	54.80	61.90	68.20	75.10
60.0			28.70	37.00	46.40	50.60	57.30	63.30	69.80
65.0			25.30	33.20	42.20	46.10	52.40	58.20	64.30
70.0				29.30	37.80	41.50	47.40	52.80	58.60
74.1				26.00	34.00	37.50	43.20	48.30	53.70

50 Hz

ZRT380KCE-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	9.58	9.79	10.00	10.25	10.60	10.80			
25.0	10.25	10.45	10.60	10.85	11.15	11.25	11.55		
30.0	11.20	11.35	11.50	11.70	11.90	12.05	12.25	12.45	
35.0	12.35	12.50	12.60	12.75	12.90	13.00	13.20	13.35	13.55
40.0	13.65	13.80	13.90	14.00	14.10	14.20	14.30	14.45	14.65
45.0	15.15	15.30	15.35	15.45	15.55	15.60	15.70	15.80	15.95
50.0		17.00	17.05	17.10	17.20	17.20	17.30	17.35	17.45
55.0		18.90	19.00	19.05	19.05	19.10	19.15	19.20	19.25
60.0			21.10	21.20	21.20	21.20	21.20	21.30	21.30
65.0			23.50	23.60	23.60	23.60	23.60	23.60	23.60
70.0				26.20	26.20	26.20	26.20	26.20	26.20
74.1				28.60	28.60	28.60	28.60	28.60	28.60

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	33.34	33.45	33.47	33.46	33.52	33.57			
25.0	35.08	35.22	35.23	35.20	35.21	35.24	35.32		
30.0	36.85	37.03	37.07	37.03	36.99	36.99	37.03	37.10	
35.0	38.31	38.57	38.64	38.61	38.55	38.53	38.53	38.57	38.64
40.0	39.55	39.90	40.04	40.03	39.97	39.94	39.92	39.93	39.97
45.0	40.67	41.14	41.35	41.40	41.35	41.33	41.29	41.28	41.29
50.0		42.35	42.67	42.79	42.78	42.76	42.73	42.71	42.71
55.0		43.65	44.09	44.30	44.35	44.35	44.33	44.31	44.30
60.0			45.70	46.02	46.15	46.17	46.18	46.17	46.17
65.0			47.58	48.03	48.27	48.32	48.36	48.38	48.40
70.0				50.44	50.79	50.88	50.98	51.03	51.07
74.1				52.76	53.24	53.37	53.51	53.60	53.67

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	185.00	226.00	274.00	330.00	394.00	423.00			
25.0	185.00	228.00	276.00	333.00	397.00	426.00	472.00		
30.0	183.50	228.00	277.00	334.00	399.00	428.00	474.00	515.00	
35.0	180.50	226.00	277.00	334.00	400.00	429.00	475.00	516.00	560.00
40.0	175.50	223.00	275.00	333.00	399.00	428.00	474.00	516.00	560.00
45.0	168.50	217.00	271.00	330.00	397.00	426.00	472.00	514.00	558.00
50.0		210.00	265.00	325.00	393.00	422.00	469.00	510.00	555.00
55.0		201.00	257.00	319.00	387.00	417.00	464.00	505.00	550.00
60.0			248.00	310.00	379.00	409.00	457.00	499.00	543.00
65.0			235.00	300.00	370.00	400.00	448.00	490.00	535.00
70.0				287.00	358.00	389.00	437.00	479.00	525.00
74.1				274.00	347.00	378.00	426.00	469.00	515.00

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	86.7
Length/Width, mm	746/403
Height, mm	596
Net Weight, kg	131
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	71
Sound Power (HT), dBA	82
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 34
Locked Rotor Current, A	2 x 174
Default Enclosure Class	IP 21 (IEC 34)

### **ACCESSORIES INCLUDED**

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

### **ACCESSORIES OPTIONAL**

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
Crankcase Heater	Sound Shell (12dBA)
Enclosure Class	90 W External
	IP66 With Molded Plug

### **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