



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													
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	
25.0	18.00	25.20	32.80	41.00	50.00	60.30	71.90	85.30	91.20	100.50				
30.0	14.35	22.20	30.20	38.60	47.70	57.80	69.10	82.00	87.60	96.60	104.50	113.00		
35.0		18.45	27.00	35.80	45.10	55.10	66.20	78.60	84.00	92.60	100.00	108.50		
40.0			23.10	32.40	41.90	52.00	63.00	75.00	80.20	88.50	95.80	103.50	120.50	
45.0				28.20	38.10	48.40	59.30	71.20	76.20	84.20	91.30	98.70	115.00	
50.0					33.60	44.20	55.20	66.90	71.80	79.60	86.40	93.60	109.00	
55.0						39.20	50.40	62.10	66.90	74.50	81.20	88.10	103.00	
60.0							44.80	56.60	61.40	68.90	75.40	82.10	96.50	
65.0								50.30	55.10	62.60	69.00	75.50	89.40	

50 Hz

ZRT320KCE-TFD

R407C Dew Point

Cond °C	Power, kW												
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
25.0	11.45	11.45	11.60	11.85	12.05	12.15	12.00	11.55	11.30	10.70			
30.0	12.95	12.75	12.85	13.05	13.35	13.60	13.70	13.55	13.40	13.10	12.70	12.20	
35.0		14.40	14.30	14.45	14.70	15.00	15.25	15.30	15.30	15.15	14.95	14.65	
40.0			16.15	16.05	16.25	16.50	16.80	17.00	17.05	17.05	17.00	16.85	16.30
45.0				18.10	18.10	18.25	18.50	18.80	18.85	18.95	19.00	18.95	18.70
50.0					20.40	20.30	20.50	20.70	20.80	21.00	21.00	21.10	21.00
55.0						22.90	22.90	23.00	23.10	23.20	23.30	23.30	23.40
60.0							25.80	25.70	25.70	25.80	25.80	25.90	26.00
65.0								29.00	28.90	28.90	28.80	28.80	28.90

Cond °C	Current at 400 V, A												
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
25.0	24.71	25.18	25.46	25.67	25.91	26.31	26.97	28.03	28.58	29.58			
30.0	26.14	26.72	27.05	27.24	27.41	27.67	28.14	28.93	29.37	30.17	30.99	31.96	
35.0		28.53	28.94	29.15	29.28	29.44	29.75	30.33	30.66	31.28	31.94	32.73	
40.0			31.16	31.42	31.55	31.65	31.83	32.22	32.46	32.93	33.45	34.08	35.78
45.0				34.06	34.22	34.29	34.39	34.64	34.80	35.14	35.52	36.02	37.39
50.0					37.32	37.40	37.45	37.58	37.69	37.92	38.19	38.56	39.64
55.0						40.99	41.02	41.08	41.14	41.28	41.46	41.73	42.55
60.0							45.12	45.14	45.16	45.24	45.35	45.53	46.13
65.0								49.78	49.79	49.82	49.88	49.99	50.41

Cond °C	Suction Mass Flow, g/s												
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
25.0	104.50	143.50	183.50	226.00	271.00	322.00	379.00	443.00	471.00	516.00			
30.0	86.90	132.00	176.50	222.00	270.00	322.00	380.00	444.00	471.00	516.00	555.00	597.00	
35.0		115.50	165.50	216.00	267.00	321.00	380.00	445.00	472.00	516.00	555.00	596.00	
40.0			149.50	205.00	261.00	318.00	379.00	445.00	473.00	517.00	556.00	597.00	685.00
45.0				189.00	250.00	312.00	376.00	444.00	473.00	517.00	556.00	597.00	685.00
50.0					234.00	302.00	370.00	441.00	470.00	516.00	556.00	597.00	686.00
55.0						285.00	359.00	435.00	466.00	513.00	554.00	596.00	686.00
60.0							343.00	424.00	457.00	507.00	549.00	593.00	685.00
65.0								407.00	442.00	496.00	541.00	587.00	683.00

### **COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, m <sup>3</sup> /h	72.8
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	546 x 190.5 (22.4)
Sound Pressure @ 1m (HT), dBA	64
Sound Power (HT), dBA	75
Sound Power with Sound Shell (HT), dBA	65
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	7 / 54 / 18 °C at 50 Hz
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	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	2 x 28
Locked Rotor Current, A	2 x 140
Default Enclosure Class	IP 21 (IEC 34)

### **ACCESSORIES INCLUDED**

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

### **ACCESSORIES OPTIONAL**

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