



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	13.55	17.40	22.00	27.30	33.40	40.50	48.60	57.80	61.80	68.20				
30.0	12.70	16.50	20.90	26.00	32.00	38.90	46.70	55.60	59.40	65.60	71.00	76.80		
35.0		15.50	19.80	24.80	30.50	37.10	44.70	53.20	57.00	62.90	68.10	73.70		
40.0			18.60	23.40	29.00	35.30	42.60	50.80	54.40	60.10	65.20	70.50	82.10	
45.0				22.00	27.30	33.40	40.40	48.30	51.80	57.20	62.10	67.20	78.40	
50.0					25.50	31.40	38.10	45.70	49.00	54.20	58.90	63.80	74.60	
55.0						29.20	35.60	42.90	46.00	51.00	55.50	60.20	70.50	
60.0							32.90	39.80	42.90	47.70	51.90	56.40	66.20	
65.0								36.60	39.50	44.00	48.10	52.40	61.70	

50 Hz

ZRT216KCE-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	7.05	7.30	7.48	7.61	7.72	7.84	7.99	8.22	8.34	8.55			
30.0	7.93	8.21	8.41	8.56	8.68	8.80	8.96	9.18	9.29	9.49	9.69	9.92	
35.0		9.20	9.42	9.57	9.70	9.82	9.96	10.15	10.25	10.45	10.65	10.85	
40.0			10.55	10.70	10.80	10.95	11.05	11.20	11.30	11.50	11.65	11.85	12.35
45.0				12.00	12.10	12.20	12.25	12.40	12.50	12.60	12.75	12.95	13.35
50.0					13.55	13.60	13.70	13.75	13.85	13.95	14.05	14.20	14.55
55.0						15.30	15.30	15.35	15.40	15.45	15.55	15.65	15.95
60.0							17.25	17.20	17.20	17.25	17.30	17.35	17.55
65.0								19.35	19.35	19.30	19.30	19.35	19.45

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	16.92	16.99	17.07	17.18	17.33	17.53	17.79	18.13	18.29	18.55			
30.0	18.17	18.22	18.29	18.39	18.52	18.71	18.96	19.28	19.43	19.68	19.91	20.17	
35.0		19.59	19.64	19.72	19.83	19.99	20.21	20.50	20.64	20.87	21.09	21.33	
40.0			21.20	21.24	21.32	21.44	21.62	21.87	21.99	22.20	22.40	22.62	23.14
45.0				23.04	23.07	23.15	23.28	23.48	23.58	23.76	23.93	24.12	24.59
50.0					25.17	25.19	25.26	25.40	25.47	25.61	25.75	25.92	26.32
55.0						27.64	27.64	27.71	27.75	27.85	27.95	28.08	28.40
60.0							30.51	30.49	30.50	30.55	30.61	30.69	30.93
65.0								33.82	33.80	33.78	33.79	33.83	33.97

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	78.50	99.00	123.00	150.00	181.50	216.00	256.00	300.00	320.00	350.00			
30.0	77.00	98.00	122.00	150.00	181.00	217.00	256.00	301.00	320.00	350.00	377.00	405.00	
35.0		96.80	121.50	149.50	181.00	217.00	257.00	301.00	320.00	351.00	377.00	405.00	
40.0			120.00	148.50	180.50	216.00	257.00	301.00	321.00	351.00	378.00	406.00	467.00
45.0				147.00	179.50	216.00	256.00	301.00	321.00	352.00	379.00	407.00	468.00
50.0					177.50	215.00	256.00	301.00	321.00	352.00	379.00	407.00	469.00
55.0						212.00	254.00	300.00	320.00	351.00	379.00	408.00	470.00
60.0							252.00	299.00	319.00	350.00	378.00	408.00	471.00
65.0								296.00	316.00	349.00	377.00	407.00	471.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	51.4
Length/Width, mm	635/312
Height, mm	577
Net Weight, kg	128
Gross Weight, kg	138
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	69
Sound Power (HT), dBA	80
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 16.8
Locked Rotor Current, A	2 x 111
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

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
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