



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	17.70	26.30	36.30	47.70	60.50	74.80	80.80	90.40	98.80
30.0	16.80	25.30	35.30	46.70	59.50	73.70	79.80	89.40	97.70
35.0	15.10	23.50	33.40	44.70	57.40	71.50	77.50	87.00	95.30
40.0	13.35	21.60	31.20	42.30	54.70	68.60	74.50	83.80	92.00
45.0		19.55	28.90	39.60	51.70	65.20	71.00	80.10	88.00
50.0			26.40	36.60	48.30	61.30	66.90	75.70	83.50
55.0				33.50	44.60	57.10	62.40	70.90	78.30
60.0					40.80	52.60	57.60	65.70	72.80
65.0					36.90	47.80	52.60	60.10	66.80

50 Hz

ZRT288KC-TFD

R22

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	10.90	10.95	10.95	10.95	11.10	11.45	11.60	12.00	12.40
30.0	11.65	11.70	11.70	11.75	11.90	12.15	12.35	12.65	13.00
35.0	13.00	13.10	13.15	13.15	13.25	13.45	13.60	13.90	14.20
40.0	14.50	14.65	14.70	14.70	14.75	14.90	15.05	15.25	15.50
45.0		16.30	16.40	16.40	16.45	16.55	16.60	16.80	17.00
50.0			18.30	18.30	18.30	18.35	18.40	18.55	18.70
55.0				20.40	20.40	20.40	20.40	20.50	20.60
60.0					22.80	22.70	22.70	22.80	22.80
65.0					25.40	25.30	25.30	25.30	25.30

Cond °C	Current at 400 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	22.45	22.63	22.86	23.16	23.51	23.92	24.10	24.38	24.63
30.0	23.22	23.40	23.64	23.92	24.25	24.62	24.78	25.03	25.26
35.0	24.69	24.89	25.13	25.39	25.68	25.99	26.13	26.33	26.51
40.0	26.47	26.70	26.94	27.18	27.43	27.69	27.80	27.95	28.09
45.0		28.89	29.13	29.36	29.58	29.78	29.86	29.97	30.06
50.0			31.79	32.01	32.19	32.34	32.39	32.45	32.50
55.0				35.19	35.34	35.44	35.46	35.48	35.48
60.0					39.10	39.15	39.14	39.12	39.08
65.0					43.54	43.54	43.51	43.45	43.37

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	103.50	151.50	206.00	268.00	336.00	411.00	442.00	492.00	534.00
30.0	100.00	149.00	205.00	268.00	338.00	414.00	446.00	496.00	540.00
35.0	93.60	144.00	202.00	266.00	338.00	416.00	449.00	501.00	545.00
40.0	86.40	137.50	196.50	262.00	335.00	415.00	449.00	502.00	547.00
45.0		130.00	189.50	256.00	330.00	411.00	445.00	499.00	545.00
50.0			181.00	248.00	322.00	404.00	439.00	493.00	540.00
55.0				239.00	313.00	394.00	429.00	484.00	531.00
60.0					301.00	382.00	417.00	471.00	519.00
65.0					288.00	368.00	402.00	456.00	503.00

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

Displacement @ 50 Hz, m³/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)	Suniso 3GS
Oil type (approved oils)	Suniso 3GS
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:	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	1810
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
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
Enclosure Class	IP21
Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll
Oil Charge	

### **ACCESSORIES OPTIONAL**

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