



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	20.90	26.40	32.60	39.80	48.30	58.50	63.00	70.40	77.20
30.0	20.30	25.70	31.70	38.80	47.00	56.80	61.20	68.40	74.90
35.0	19.10	24.40	30.30	37.00	44.90	54.20	58.30	65.10	71.20
40.0	17.80	23.10	28.80	35.30	42.80	51.60	55.50	61.90	67.80
45.0		21.60	27.30	33.60	40.70	49.10	52.80	58.90	64.40
50.0			25.50	31.70	38.60	46.60	50.10	55.90	61.10
55.0				29.60	36.30	44.00	47.40	52.90	57.80
60.0					33.90	41.20	44.50	49.70	54.50
65.0					31.20	38.30	41.40	46.40	50.90

50 Hz

ZRT216KC-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	7.45	7.57	7.70	7.89	8.16	8.56	8.77	9.13	9.48
30.0	8.02	8.14	8.28	8.45	8.70	9.08	9.27	9.61	9.94
35.0	9.05	9.18	9.30	9.45	9.68	10.00	10.15	10.45	10.75
40.0	10.20	10.35	10.45	10.60	10.75	11.05	11.20	11.45	11.70
45.0		11.65	11.75	11.85	12.00	12.25	12.35	12.60	12.80
50.0			13.25	13.35	13.45	13.60	13.70	13.90	14.10
55.0				15.05	15.10	15.20	15.30	15.40	15.55
60.0					17.05	17.10	17.10	17.20	17.30
65.0					19.25	19.25	19.25	19.30	19.35

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	17.24	17.37	17.69	18.15	18.68	19.21	19.41	19.68	19.88
30.0	17.83	17.92	18.22	18.65	19.17	19.69	19.89	20.16	20.35
35.0	19.02	19.03	19.27	19.66	20.13	20.63	20.82	21.08	21.27
40.0	20.50	20.44	20.60	20.93	21.35	21.80	21.98	22.22	22.40
45.0		22.19	22.27	22.52	22.87	23.27	23.43	23.64	23.80
50.0			24.33	24.49	24.77	25.09	25.23	25.41	25.54
55.0				26.91	27.09	27.34	27.44	27.58	27.68
60.0					29.91	30.06	30.12	30.21	30.27
65.0					33.28	33.32	33.34	33.37	33.38

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	122.00	152.00	185.50	224.00	269.00	321.00	345.00	383.00	417.00
30.0	121.00	151.00	184.50	223.00	267.00	319.00	342.00	379.00	414.00
35.0	118.50	149.50	183.00	221.00	264.00	315.00	338.00	375.00	408.00
40.0	115.00	147.00	181.50	219.00	262.00	312.00	335.00	371.00	403.00
45.0		144.00	179.00	217.00	260.00	310.00	332.00	367.00	399.00
50.0			175.50	214.00	258.00	307.00	329.00	364.00	396.00
55.0				211.00	255.00	304.00	326.00	361.00	392.00
60.0					250.00	300.00	322.00	357.00	388.00
65.0					244.00	295.00	317.00	352.00	384.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	49.7
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)	Suniso 3GS
Oil type (approved oils)	Suniso 3GS
Base mounting (hole dia), mm	745 x 220 (22.6)
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 17.5
Locked Rotor Current, A	2 x 111
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

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

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)

50 Hz

ZRT216KC-TFD

R22

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00