



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	40.20	50.10	61.50	74.50	88.80	104.50	111.00	121.50	130.00
30.0	39.00	48.60	59.80	72.60	86.80	102.50	109.00	119.00	128.00
35.0	36.90	46.00	56.90	69.30	83.10	98.40	105.00	115.00	123.50
40.0	34.70	43.30	53.70	65.70	79.20	94.10	100.50	110.50	119.00
45.0		40.50	50.30	61.80	74.80	89.30	95.50	105.00	113.50
50.0			46.80	57.70	70.20	84.20	90.20	99.70	108.00
55.0				53.30	65.20	78.70	84.50	93.60	101.50
60.0					60.00	72.80	78.40	87.20	94.90
65.0					54.40	66.50	71.80	80.20	87.60

50 Hz

ZRT380KC-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	13.95	14.20	14.40	14.65	15.05	15.65	16.00	16.60	17.25
30.0	14.95	15.25	15.45	15.70	16.00	16.55	16.85	17.40	18.00
35.0	16.75	17.10	17.35	17.55	17.80	18.25	18.45	18.95	19.45
40.0	18.75	19.20	19.45	19.60	19.80	20.10	20.30	20.70	21.10
45.0		21.50	21.80	21.90	22.10	22.30	22.50	22.80	23.10
50.0			24.40	24.60	24.70	24.90	25.00	25.20	25.40
55.0				27.50	27.60	27.70	27.80	27.90	28.10
60.0					30.90	31.00	31.00	31.10	31.20
65.0					34.60	34.60	34.60	34.70	34.70

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	37.33	37.61	37.82	38.08	38.48	39.15	39.52	40.21	40.91
30.0	38.27	38.59	38.81	39.04	39.39	39.98	40.31	40.92	41.56
35.0	40.02	40.41	40.65	40.85	41.13	41.60	41.86	42.37	42.90
40.0	42.02	42.50	42.77	42.97	43.19	43.55	43.75	44.16	44.60
45.0		44.88	45.22	45.42	45.60	45.87	46.03	46.34	46.69
50.0			48.02	48.24	48.40	48.60	48.71	48.95	49.22
55.0				51.49	51.64	51.78	51.86	52.03	52.23
60.0					55.35	55.45	55.51	55.62	55.76
65.0					59.57	59.66	59.69	59.75	59.84

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	235.00	288.00	350.00	418.00	493.00	574.00	608.00	659.00	704.00
30.0	233.00	286.00	348.00	417.00	492.00	574.00	608.00	661.00	706.00
35.0	229.00	282.00	343.00	413.00	490.00	573.00	608.00	662.00	708.00
40.0	224.00	276.00	337.00	407.00	485.00	569.00	605.00	660.00	707.00
45.0		270.00	330.00	400.00	478.00	564.00	600.00	656.00	704.00
50.0			321.00	391.00	469.00	555.00	592.00	649.00	698.00
55.0				379.00	457.00	544.00	581.00	639.00	689.00
60.0					443.00	530.00	567.00	626.00	676.00
65.0					425.00	512.00	550.00	609.00	660.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	86.7
Length/Width, mm	746/403
Height, mm	596
Net Weight, kg	131
Gross Weight, kg	155
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	775 x 220 (22.6)
Sound Pressure @ 1m (HT), dBA	74
Sound Power (HT), dBA	85
Sound Power with Sound Shell (HT), dBA	75
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 40.1
Locked Rotor Current, A	2 x 174
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)

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