



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	33.40	41.50	51.00	61.70	73.60	86.60	92.00	100.50	108.00
30.0	32.30	40.30	49.60	60.20	71.90	84.80	90.20	98.70	106.00
35.0	30.60	38.10	47.10	57.40	68.90	81.60	86.90	95.30	102.50
40.0	28.70	35.90	44.50	54.40	65.60	78.00	83.20	91.40	98.60
45.0		33.60	41.70	51.20	62.00	74.10	79.20	87.20	94.20
50.0			38.80	47.80	58.20	69.80	74.80	82.60	89.40
55.0				44.20	54.10	65.20	70.10	77.60	84.20
60.0					49.70	60.40	65.00	72.30	78.60
65.0					45.10	55.20	59.60	66.50	72.60

50 Hz

ZRT320KC-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	11.60	11.80	12.00	12.20	12.50	13.00	13.30	13.80	14.35
30.0	12.40	12.65	12.85	13.05	13.30	13.75	14.00	14.45	14.95
35.0	13.90	14.20	14.40	14.55	14.80	15.15	15.35	15.75	16.15
40.0	15.60	15.95	16.15	16.30	16.45	16.75	16.90	17.20	17.55
45.0		17.85	18.10	18.25	18.35	18.55	18.70	18.95	19.20
50.0			20.20	20.40	20.50	20.70	20.70	20.90	21.10
55.0				22.80	22.90	23.00	23.10	23.20	23.40
60.0					25.70	25.70	25.80	25.80	25.90
65.0					28.70	28.70	28.80	28.80	28.90

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	29.88	30.11	30.28	30.48	30.80	31.34	31.64	32.18	32.75
30.0	30.64	30.89	31.07	31.25	31.53	32.00	32.27	32.76	33.27
35.0	32.04	32.35	32.54	32.70	32.92	33.30	33.51	33.91	34.34
40.0	33.63	34.02	34.24	34.39	34.57	34.86	35.02	35.35	35.70
45.0		35.93	36.19	36.36	36.50	36.72	36.84	37.10	37.38
50.0			38.44	38.62	38.74	38.90	39.00	39.19	39.40
55.0				41.22	41.33	41.45	41.51	41.65	41.81
60.0					44.31	44.39	44.43	44.52	44.63
65.0					47.69	47.75	47.78	47.83	47.90

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	194.50	239.00	290.00	347.00	409.00	476.00	504.00	547.00	584.00
30.0	193.00	237.00	288.00	346.00	408.00	476.00	504.00	548.00	585.00
35.0	189.50	233.00	285.00	342.00	406.00	475.00	504.00	548.00	587.00
40.0	186.00	229.00	280.00	338.00	402.00	472.00	501.00	547.00	586.00
45.0		223.00	274.00	332.00	396.00	467.00	497.00	544.00	584.00
50.0			266.00	324.00	389.00	460.00	491.00	538.00	579.00
55.0				314.00	379.00	451.00	482.00	529.00	571.00
60.0					367.00	439.00	470.00	518.00	561.00
65.0					352.00	425.00	456.00	504.00	547.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	72.8
Length/Width, mm	746/403
Height, mm	596
Net Weight, kg	131
Gross Weight, kg	152
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)
Sound Pressure @ 1m (HT), dBA	75
Sound Power (HT), dBA	86
Sound Power with Sound Shell (HT), dBA	76
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 31
Locked Rotor Current, A	2 x 140
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

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

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