



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									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	13.70	17.95	22.70	28.20	34.50	41.90	45.20	50.50	55.30	60.40
35.0	12.65	16.80	21.50	26.80	33.00	40.10	43.30	48.40	53.00	58.00
40.0	11.50	15.60	20.10	25.30	31.20	38.10	41.10	46.10	50.50	55.30
45.0		14.30	18.65	23.60	29.30	35.90	38.80	43.50	47.80	52.40
50.0			17.10	21.80	27.20	33.40	36.20	40.70	44.80	49.20
55.0				19.90	25.00	30.90	33.50	37.80	41.60	45.80
60.0					22.70	28.20	30.70	34.70	38.30	42.30
65.0					20.40	25.40	27.70	31.40	34.80	38.50
67.0						24.30	26.50	30.10	33.40	37.00

50 Hz

ZRT162KCE-TFD

R407C Dew Point

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	6.24	6.33	6.39	6.44	6.52	6.62	6.67	6.77	6.88	7.00
35.0	7.06	7.15	7.20	7.26	7.33	7.42	7.48	7.58	7.68	7.80
40.0	8.03	8.10	8.15	8.19	8.25	8.33	8.38	8.47	8.57	8.69
45.0		9.21	9.24	9.26	9.30	9.37	9.41	9.49	9.57	9.68
50.0			10.50	10.50	10.50	10.55	10.60	10.65	10.70	10.80
55.0				11.90	11.90	11.90	11.90	11.95	12.00	12.10
60.0					13.45	13.45	13.45	13.45	13.50	13.55
65.0					15.30	15.20	15.15	15.15	15.15	15.20
67.0						15.95	15.95	15.90	15.90	15.90

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	15.0
30.0	15.82	16.11	16.17	16.10	16.01	16.00	16.04	16.18	16.38	16.66
35.0	16.16	16.51	16.63	16.62	16.58	16.63	16.70	16.87	17.09	17.40
40.0	16.87	17.25	17.40	17.42	17.42	17.50	17.57	17.76	17.99	18.32
45.0		18.38	18.53	18.56	18.56	18.64	18.72	18.90	19.14	19.46
50.0			20.07	20.08	20.05	20.11	20.18	20.35	20.58	20.89
55.0				22.02	21.95	21.96	22.01	22.15	22.35	22.63
60.0					24.31	24.24	24.26	24.35	24.51	24.76
65.0					27.17	27.00	26.97	27.01	27.12	27.31
67.0						28.25	28.20	28.21	28.29	28.46

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	15.0
30.0	80.10	103.00	128.50	157.00	189.50	227.00	243.00	270.00	293.00	318.00
35.0	77.50	101.50	127.50	156.50	189.50	227.00	243.00	270.00	294.00	319.00
40.0	74.10	98.90	125.50	154.50	188.00	226.00	242.00	269.00	293.00	319.00
45.0		95.70	122.50	152.00	185.50	224.00	240.00	267.00	291.00	317.00
50.0			119.00	149.00	182.50	220.00	237.00	264.00	288.00	314.00
55.0				145.00	178.50	216.00	233.00	260.00	284.00	310.00
60.0					173.50	211.00	228.00	255.00	279.00	305.00
65.0					168.00	206.00	222.00	249.00	273.00	300.00
67.0						203.00	220.00	247.00	271.00	297.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	38.5
Length/Width, mm	626/318
Height, mm	483
Net Weight, kg	93
Gross Weight, kg	113
Stub Suction, inch	1 1/8
Stub Discharge, inch	1 1/8
Oil Quantity, l	3.37
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	64
Sound Power (HT), dBA	75
Sound Power with Sound Shell (HT), dBA	70
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
Max. Internal Free Volume, l	8.50
High Side PS gauge, bar	29.5
Low Side PS gauge, bar	20
Refrigerant's GWP	1774
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	2 x 15
Locked Rotor Current, A	2 x 101
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Capacity Control	Capacity Steps 50%

ACCESSORIES OPTIONAL

Crankcase Heater	2 x 70 W External
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50 Hz

ZRT162KCE-TFD

R407C Dew Point

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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04