



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	16.45	20.70	25.60	31.20	37.20	43.70	46.30	50.50	54.00
30.0	15.90	20.10	25.00	30.50	36.50	43.00	45.70	49.80	53.40
35.0	15.00	19.00	23.70	29.10	35.10	41.60	44.30	48.50	52.10
40.0	14.20	17.90	22.40	27.70	33.50	40.00	42.70	46.90	50.50
45.0		16.80	21.10	26.10	31.80	38.10	40.80	45.00	48.60
50.0			19.65	24.40	29.90	36.00	38.70	42.80	46.40
55.0				22.70	27.90	33.80	36.30	40.40	43.90
60.0					25.70	31.40	33.80	37.70	41.10
65.0					23.50	28.80	31.10	34.90	38.20

50 Hz

ZRT162KCE-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	6.20	6.28	6.36	6.44	6.54	6.67	6.74	6.84	6.94
30.0	6.62	6.70	6.78	6.86	6.96	7.08	7.14	7.24	7.34
35.0	7.36	7.45	7.53	7.61	7.71	7.82	7.87	7.96	8.05
40.0	8.19	8.28	8.37	8.45	8.53	8.64	8.69	8.77	8.85
45.0		9.21	9.30	9.38	9.46	9.56	9.60	9.68	9.75
50.0			10.35	10.40	10.50	10.60	10.65	10.70	10.75
55.0				11.60	11.65	11.75	11.80	11.85	11.90
60.0					13.00	13.05	13.10	13.15	13.20
65.0					14.45	14.50	14.55	14.60	14.65

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	15.30	15.40	15.48	15.57	15.69	15.85	15.93	16.08	16.22
30.0	15.71	15.82	15.90	15.99	16.11	16.26	16.34	16.48	16.62
35.0	16.50	16.61	16.71	16.80	16.91	17.06	17.13	17.26	17.39
40.0	17.42	17.55	17.65	17.75	17.86	18.00	18.07	18.19	18.31
45.0		18.65	18.77	18.87	18.97	19.11	19.17	19.29	19.40
50.0			20.07	20.18	20.28	20.41	20.47	20.58	20.69
55.0				21.70	21.81	21.93	21.99	22.09	22.19
60.0					23.57	23.69	23.75	23.84	23.94
65.0					25.59	25.71	25.77	25.86	25.95

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	95.90	119.50	146.00	175.00	207.00	240.00	254.00	274.00	292.00
30.0	94.80	118.50	145.00	175.00	207.00	241.00	255.00	277.00	295.00
35.0	93.20	116.50	143.50	173.50	207.00	242.00	257.00	279.00	299.00
40.0	91.80	114.00	141.00	171.50	205.00	242.00	257.00	281.00	301.00
45.0		112.00	138.00	169.00	203.00	240.00	256.00	280.00	301.00
50.0			135.00	165.50	199.50	238.00	254.00	279.00	300.00
55.0				161.00	195.00	233.00	250.00	275.00	297.00
60.0					190.00	228.00	245.00	271.00	293.00
65.0					184.00	222.00	238.00	264.00	287.00

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	1810
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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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