



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	12.45	15.55	19.15	23.30	28.00	33.10	35.20	38.60	41.40
30.0	12.15	15.15	18.70	22.80	27.40	32.50	34.60	37.90	40.70
35.0	11.55	14.40	17.85	21.80	26.30	31.20	33.30	36.60	39.40
40.0	10.85	13.55	16.85	20.70	25.00	29.80	31.90	35.00	37.80
45.0		12.70	15.80	19.50	23.70	28.30	30.30	33.40	36.10
50.0			14.80	18.30	22.30	26.80	28.70	31.70	34.20
55.0				17.10	20.90	25.20	27.00	29.90	32.40
60.0					19.65	23.70	25.40	28.20	30.60
65.0					18.50	22.30	23.90	26.50	28.80

50 Hz

ZRT122KCE-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	4.37	4.47	4.54	4.61	4.70	4.87	4.97	5.15	5.34
30.0	4.71	4.82	4.90	4.97	5.07	5.25	5.35	5.53	5.72
35.0	5.30	5.42	5.50	5.58	5.69	5.87	5.97	6.15	6.35
40.0	5.96	6.07	6.15	6.23	6.33	6.51	6.60	6.79	6.98
45.0		6.82	6.88	6.94	7.04	7.20	7.29	7.47	7.65
50.0			7.73	7.77	7.84	7.98	8.07	8.23	8.40
55.0				8.74	8.78	8.89	8.96	9.11	9.27
60.0					9.88	9.96	10.00	10.15	10.25
65.0					11.20	11.20	11.25	11.35	11.45

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	10.48	10.58	10.65	10.72	10.84	11.05	11.17	11.39	11.62
30.0	10.84	10.94	11.02	11.11	11.25	11.48	11.61	11.84	12.08
35.0	11.50	11.61	11.69	11.80	11.95	12.20	12.34	12.59	12.85
40.0	12.32	12.41	12.48	12.58	12.73	12.99	13.13	13.38	13.65
45.0		13.40	13.45	13.52	13.65	13.90	14.03	14.28	14.54
50.0			14.64	14.67	14.77	14.98	15.10	15.34	15.59
55.0				16.09	16.14	16.30	16.40	16.61	16.84
60.0					17.81	17.91	17.99	18.16	18.36
65.0					19.86	19.87	19.92	20.05	20.21

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	72.70	89.40	109.00	131.00	155.50	182.00	193.00	210.00	224.00
30.0	72.50	89.10	109.00	131.00	155.50	182.00	193.00	210.00	225.00
35.0	71.60	88.00	107.50	130.00	155.00	182.00	193.00	210.00	225.00
40.0	70.30	86.40	106.00	128.50	153.50	180.50	192.00	210.00	225.00
45.0		84.60	104.00	126.00	151.00	178.50	190.00	208.00	223.00
50.0			101.50	124.00	149.00	176.50	188.00	206.00	222.00
55.0				121.50	146.50	174.00	186.00	204.00	220.00
60.0					145.00	172.50	184.00	202.00	218.00
65.0					144.50	171.50	183.00	201.00	217.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	28.7
Length/Width, mm	626/297
Height, mm	460
Net Weight, kg	82
Gross Weight, kg	102
Stub Suction, inch	1 1/8
Stub Discharge, inch	3/4
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	60
Sound Power (HT), dBA	71
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
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 11
Locked Rotor Current, A	2 x 65.5
Winding Resistance, ohm	2.72
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

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