



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	15.0
30.0	6.85	9.00	11.50	14.40	17.80	21.80	23.60	26.40		
35.0	6.42	8.49	10.90	13.65	16.95	20.70	22.40	25.20	27.70	
40.0	5.99	7.98	10.25	12.95	16.05	19.70	21.30	23.90	26.30	28.90
45.0		7.47	9.65	12.20	15.15	18.60	20.20	22.70	24.90	27.40
50.0		6.95	9.02	11.40	14.25	17.55	19.00	21.40	23.50	25.90
55.0			8.37	10.65	13.30	16.40	17.80	20.10	22.10	24.30
60.0				9.83	12.30	15.25	16.55	18.70	20.60	22.70
65.0				8.98	11.30	14.05	15.30	17.30	19.10	21.10
70.0					10.25	12.80	13.95	15.80	17.50	19.40
75.0					9.15	11.50	12.55	14.30	15.85	17.60

50 Hz

ZRT122KCE-TFD

R134a

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	3.34	3.42	3.47	3.50	3.53	3.56	3.58	3.61		
35.0	3.72	3.80	3.85	3.89	3.93	3.97	3.99	4.03	4.07	
40.0	4.14	4.22	4.28	4.33	4.36	4.41	4.43	4.47	4.51	4.57
45.0		4.70	4.76	4.80	4.84	4.89	4.92	4.96	5.00	5.05
50.0		5.25	5.30	5.34	5.38	5.43	5.45	5.49	5.54	5.59
55.0			5.92	5.95	5.99	6.03	6.05	6.09	6.13	6.18
60.0				6.65	6.67	6.71	6.73	6.76	6.80	6.85
65.0				7.44	7.45	7.48	7.49	7.52	7.56	7.60
70.0					8.33	8.35	8.36	8.38	8.41	8.44
75.0					9.33	9.33	9.33	9.35	9.37	9.40

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	10.10	10.20	10.25	10.25	10.24	10.23	10.24	10.26		
35.0	10.15	10.30	10.37	10.40	10.41	10.42	10.42	10.44	10.47	
40.0	10.37	10.55	10.66	10.71	10.74	10.75	10.76	10.79	10.81	10.86
45.0		10.95	11.09	11.17	11.22	11.24	11.26	11.28	11.31	11.35
50.0		11.50	11.67	11.78	11.84	11.88	11.89	11.92	11.95	11.99
55.0			12.39	12.52	12.60	12.66	12.67	12.70	12.73	12.77
60.0				13.40	13.50	13.57	13.59	13.62	13.65	13.68
65.0				14.41	14.53	14.61	14.63	14.67	14.70	14.73
70.0					15.68	15.77	15.80	15.84	15.87	15.90
75.0					16.95	17.06	17.09	17.13	17.16	17.19

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	45.00	57.90	72.40	88.90	107.50	129.50	139.00	154.00		
35.0	44.30	57.30	71.80	88.40	107.00	129.00	138.50	153.50	167.00	
40.0	43.60	56.70	71.30	87.80	106.50	128.00	137.50	153.00	166.50	181.00
45.0		56.10	70.80	87.30	106.00	127.50	137.00	152.00	165.50	180.00
50.0		55.50	70.10	86.60	105.50	127.00	136.00	151.00	164.50	179.00
55.0			69.40	85.80	104.50	126.00	135.00	150.00	163.50	178.00
60.0				84.80	103.50	124.50	134.00	149.00	162.50	177.00
65.0				83.50	102.00	123.00	132.50	147.50	161.00	175.50
70.0					100.00	121.50	130.50	145.50	159.00	173.50
75.0					97.90	119.00	128.50	143.50	157.00	171.00

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	1430
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