



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	9.39	11.95	14.90	18.30	22.20	26.60	28.60	31.60	34.40
30.0	9.04	11.55	14.45	17.80	21.60	25.90	27.80	30.80	33.50
35.0	8.47	10.90	13.70	16.90	20.60	24.70	26.50	29.40	32.00
40.0	7.88	10.25	12.95	16.05	19.55	23.60	25.30	28.10	30.60
45.0		9.56	12.15	15.15	18.50	22.40	24.00	26.70	29.10
50.0			11.35	14.20	17.45	21.10	22.70	25.30	27.60
55.0				13.15	16.25	19.80	21.30	23.80	26.00
60.0					15.00	18.40	19.85	22.20	24.30
65.0					13.60	16.85	18.25	20.50	22.50

50 Hz

ZRT96K3E-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	4.01	3.99	3.97	3.95	3.92	3.88	3.86	3.83	3.79
30.0	4.30	4.27	4.25	4.23	4.21	4.18	4.16	4.14	4.11
35.0	4.83	4.79	4.76	4.73	4.71	4.69	4.68	4.66	4.65
40.0	5.45	5.38	5.33	5.29	5.26	5.24	5.23	5.22	5.21
45.0		6.07	5.99	5.92	5.88	5.85	5.84	5.83	5.82
50.0			6.75	6.66	6.58	6.54	6.52	6.50	6.49
55.0				7.50	7.39	7.32	7.29	7.26	7.24
60.0					8.33	8.21	8.17	8.13	8.09
65.0					9.40	9.24	9.18	9.11	9.06

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	8.02	8.02	7.99	7.95	7.91	7.88	7.87	7.86	7.86
30.0	8.27	8.27	8.24	8.21	8.18	8.16	8.16	8.17	8.18
35.0	8.81	8.77	8.73	8.69	8.67	8.67	8.68	8.71	8.74
40.0	9.49	9.41	9.34	9.28	9.25	9.25	9.26	9.30	9.35
45.0		10.21	10.09	10.00	9.94	9.93	9.94	9.98	10.03
50.0			11.01	10.86	10.77	10.73	10.73	10.76	10.80
55.0				11.91	11.75	11.67	11.66	11.67	11.70
60.0					12.93	12.79	12.75	12.74	12.75
65.0					14.31	14.09	14.04	13.98	13.97

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	54.80	68.90	84.90	103.00	123.50	146.50	156.50	172.00	186.00
30.0	53.90	68.10	84.10	102.00	122.50	145.50	155.50	171.00	185.00
35.0	52.50	66.80	82.80	101.00	121.00	144.00	154.00	169.50	183.50
40.0	51.00	65.40	81.50	99.50	120.00	142.50	152.50	168.00	182.00
45.0		63.70	79.90	98.00	118.50	141.00	151.00	166.50	180.00
50.0			77.80	96.10	116.50	139.00	149.00	164.50	178.50
55.0				93.50	114.00	137.00	146.50	162.50	176.00
60.0					110.50	133.50	143.50	159.50	173.00
65.0					106.50	129.50	139.50	155.50	169.50

### **COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, m³/h	22.8
Length/Width, mm	618/289
Height, mm	457
Net Weight, kg	61.7
Stub Suction, inch	1 1/8
Stub Discharge, inch	3/4
Oil Quantity, l	2.72
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	27.5
Low Side PS gauge, bar	17
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	2 x 10
Locked Rotor Current, A	2 x 50
Winding Resistance, ohm	3.88
Default Enclosure Class	IP 21 (IEC 34)

### **ACCESSORIES INCLUDED**

### **ACCESSORIES OPTIONAL**

### **MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04