



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	8.59	11.10	14.00	17.35	21.20	25.70	27.70	30.90	33.70	36.70
35.0	7.91	10.35	13.15	16.40	20.20	24.50	26.40	29.50	32.30	35.20
40.0	7.18	9.52	12.25	15.35	19.00	23.20	25.00	28.00	30.70	33.50
45.0		8.64	11.25	14.25	17.70	21.70	23.50	26.40	28.90	31.70
50.0			10.20	13.05	16.35	20.20	21.90	24.60	27.10	29.70
55.0				11.75	14.90	18.50	20.10	22.70	25.10	27.60
60.0					13.35	16.75	18.25	20.70	22.90	25.30
65.0					11.75	14.90	16.35	18.60	20.70	22.90
67.0						14.15	15.55	17.75	19.75	21.90

50 Hz

ZRT96K3E-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	3.99	4.00	3.96	3.91	3.89	3.94	3.98	4.07	4.18	4.33
35.0	4.52	4.55	4.51	4.46	4.42	4.42	4.44	4.50	4.58	4.69
40.0	5.14	5.19	5.17	5.11	5.05	5.02	5.02	5.05	5.10	5.18
45.0		5.93	5.93	5.87	5.79	5.74	5.72	5.73	5.75	5.80
50.0			6.79	6.74	6.66	6.58	6.55	6.53	6.53	6.55
55.0				7.73	7.65	7.55	7.52	7.47	7.45	7.45
60.0					8.77	8.66	8.61	8.55	8.51	8.48
65.0					10.00	9.90	9.85	9.77	9.72	9.67
67.0						10.45	10.40	10.30	10.25	10.20

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	8.22	8.23	8.17	8.10	8.07	8.14	8.21	8.37	8.56	8.82
35.0	8.86	8.90	8.86	8.77	8.70	8.70	8.73	8.83	8.96	9.14
40.0	9.62	9.72	9.70	9.61	9.51	9.45	9.46	9.50	9.57	9.70
45.0		10.68	10.71	10.63	10.52	10.42	10.40	10.39	10.42	10.49
50.0			11.88	11.84	11.73	11.60	11.56	11.52	11.51	11.54
55.0				13.24	13.14	13.00	12.95	12.88	12.84	12.83
60.0					14.76	14.63	14.57	14.48	14.42	14.38
65.0					16.61	16.49	16.43	16.33	16.26	16.19
67.0						17.30	17.24	17.15	17.07	16.99

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	50.20	63.80	79.20	96.70	116.50	139.00	149.00	164.50	178.50	193.50
35.0	48.50	62.30	77.90	95.70	116.00	138.50	148.50	164.50	178.50	193.50
40.0	46.30	60.30	76.10	94.10	114.50	137.50	147.50	163.50	178.00	193.00
45.0		57.90	73.80	91.80	112.50	135.50	146.00	162.00	176.50	191.50
50.0			70.90	89.00	109.50	133.00	143.00	159.50	174.00	189.50
55.0				85.50	106.00	129.50	140.00	156.50	171.00	186.50
60.0					102.00	125.50	136.00	152.50	167.00	183.00
65.0					97.00	120.50	131.00	147.50	162.50	178.00
67.0						118.50	129.00	145.50	160.50	176.00

### **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	57
Sound Power (HT), dBA	68
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	1774
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