



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	9.78	12.80	16.40	20.60	25.50	31.00	33.40	37.30	40.70	44.30
35.0	9.11	12.00	15.45	19.50	24.30	29.70	32.00	35.80	39.10	42.70
40.0	8.49	11.15	14.45	18.35	22.90	28.10	30.40	34.10	37.40	40.80
45.0		10.40	13.45	17.10	21.40	26.50	28.70	32.20	35.40	38.70
50.0			12.45	15.85	19.90	24.70	26.80	30.20	33.20	36.40
55.0				14.65	18.40	22.90	24.80	28.00	30.90	34.00
60.0					16.95	21.00	22.90	25.90	28.60	31.40
65.0					15.55	19.25	20.90	23.70	26.20	28.90
67.0						18.55	20.20	22.80	25.20	27.80

50 Hz

ZRT122KCE-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	4.85	4.91	4.96	5.02	5.11	5.22	5.28	5.38	5.47	5.59
35.0	5.45	5.53	5.59	5.64	5.70	5.77	5.81	5.87	5.94	6.02
40.0	6.07	6.19	6.27	6.33	6.38	6.43	6.46	6.50	6.53	6.58
45.0		6.88	7.01	7.09	7.15	7.19	7.21	7.23	7.25	7.28
50.0			7.79	7.92	8.00	8.05	8.07	8.09	8.10	8.11
55.0				8.81	8.93	9.01	9.03	9.05	9.06	9.07
60.0					9.94	10.05	10.10	10.10	10.15	10.15
65.0					11.00	11.20	11.25	11.30	11.35	11.35
67.0						11.65	11.75	11.80	11.85	11.85

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	12.24	12.30	12.37	12.45	12.55	12.66	12.71	12.79	12.85	12.92
35.0	12.76	12.82	12.88	12.96	13.06	13.16	13.21	13.28	13.35	13.41
40.0	13.43	13.48	13.54	13.62	13.71	13.81	13.86	13.93	13.99	14.05
45.0		14.29	14.35	14.43	14.51	14.61	14.65	14.72	14.78	14.84
50.0			15.31	15.38	15.46	15.55	15.60	15.66	15.72	15.78
55.0				16.48	16.56	16.65	16.69	16.75	16.81	16.87
60.0					17.81	17.89	17.93	17.99	18.05	18.10
65.0					19.20	19.28	19.32	19.38	19.43	19.49
67.0						19.88	19.92	19.98	20.03	20.08

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	57.20	73.60	92.80	115.00	140.00	168.00	180.00	199.00	216.00	233.00
35.0	55.90	72.20	91.50	114.00	139.00	168.00	180.00	199.50	217.00	235.00
40.0	54.80	70.70	89.90	112.00	138.00	167.00	179.50	199.00	217.00	235.00
45.0		69.50	88.20	110.50	136.00	165.00	177.50	198.00	215.00	234.00
50.0			86.80	108.50	133.50	162.50	175.50	195.50	214.00	232.00
55.0				106.50	131.50	160.00	172.50	193.00	211.00	230.00
60.0					129.50	157.50	170.00	190.00	208.00	227.00
65.0					128.50	155.50	168.00	187.50	205.00	224.00
67.0						155.50	167.50	187.00	205.00	224.00

### **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	1774
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**

<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