



Minimum Evaporating Temp. With:  
— 10 K Suction Superheat  
— Maximum Evaporating Temperature  
 Drive Frequency Range 35 - 80 Hz

Suction Superheat 5.0K

Drive Frequency 50 Hz

Liquid Subcooling 1.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW						
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	12.90	15.35	18.55	20.10	22.90		
25.0	12.35	14.75	17.70	19.15	21.70	24.20	
30.0	11.70	14.10	16.90	18.20	20.50	22.70	25.40
35.0	11.00	13.45	16.10	17.30	19.35	21.40	23.80
40.0	10.15	12.70	15.25	16.35	18.25	20.10	22.20
45.0	9.16	11.85	14.35	15.40	17.15	18.85	20.80
50.0	8.02	10.85	13.40	14.40	16.05	17.60	19.30
55.0		9.77	12.35	13.35	14.90	16.30	17.85
60.0		8.52	11.20	12.15	13.65	14.95	16.40
65.0			9.90	10.90	12.35	13.55	14.85
70.0			8.47	9.49	10.90	12.10	13.30
75.0			6.89	7.94	9.37	10.50	11.60

50 Hz

ZRHV94KTR-TF7

R513A

Cond °C	Power, kW						
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	2.32	2.25	2.15	2.10	2.03		
25.0	2.59	2.56	2.51	2.48	2.43	2.39	
30.0	2.85	2.86	2.84	2.83	2.81	2.79	2.77
35.0	3.13	3.16	3.16	3.16	3.16	3.16	3.16
40.0	3.43	3.47	3.50	3.50	3.51	3.52	3.54
45.0	3.77	3.82	3.85	3.86	3.88	3.90	3.92
50.0	4.18	4.22	4.25	4.26	4.28	4.30	4.32
55.0		4.68	4.70	4.71	4.72	4.74	4.76
60.0		5.23	5.22	5.22	5.23	5.24	5.25
65.0			5.84	5.82	5.81	5.81	5.81
70.0			6.56	6.53	6.49	6.47	6.46
75.0			7.40	7.35	7.29	7.25	7.21

Cond °C	Inverter Current at 380 V, A						
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	10.58	10.38	10.21	10.16	10.11		
25.0	10.79	10.67	10.56	10.53	10.51	10.53	
30.0	10.95	10.89	10.83	10.82	10.82	10.85	10.91
35.0	11.10	11.09	11.06	11.06	11.08	11.12	11.19
40.0	11.29	11.31	11.31	11.31	11.34	11.38	11.44
45.0	11.57	11.60	11.61	11.61	11.63	11.67	11.73
50.0	11.97	12.01	12.01	12.01	12.01	12.04	12.08
55.0		12.57	12.55	12.54	12.53	12.53	12.55
60.0		13.34	13.28	13.25	13.21	13.19	13.18
65.0			14.25	14.20	14.12	14.07	14.02
70.0			15.50	15.42	15.30	15.20	15.11
75.0			17.07	16.96	16.78	16.64	16.50

Cond °C	Suction Mass Flow, g/s						
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	85.10	99.20	117.50	126.50	142.00		
25.0	85.40	99.90	117.50	126.00	140.50	155.50	
30.0	85.20	100.50	117.50	125.50	139.50	153.00	169.50
35.0	84.40	100.50	117.50	125.50	138.50	151.50	166.50
40.0	82.50	100.50	118.00	125.50	138.00	150.00	164.50
45.0	79.30	99.70	118.00	125.00	137.50	149.00	162.00
50.0	74.30	97.80	117.00	125.00	137.00	148.00	160.50
55.0		94.60	116.00	124.00	136.00	146.50	158.50
60.0		89.40	113.50	122.00	134.50	145.00	156.50
65.0			110.00	119.00	132.50	143.00	154.50
70.0			104.00	114.50	129.00	140.50	151.50
75.0			94.90	107.50	124.00	136.00	147.50

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 60 Hz, m <sup>3</sup> /h	26.5
Length/Width, mm	586/314
Height, mm	245
Net Weight, kg	59.9
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Drive Frequency Range, Hz	35 - 80
Oil Quantity, l	1.63
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Sound Pressure @ 1m (HT), dBA	77
Sound Power (HT), dBA	88
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 80 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	I
High Side PS gauge, bar	32
Low Side PS gauge, bar	20
Low Side TS Max., °C	50
Refrigerant's GWP	631
Refrigerant's classification	A1

**COMPRESSOR ELECTRICAL DATA (380 V / 3~ / 60 Hz)**

Maximum Operating Current, A	23.5
Locked Rotor Current, A	145
Winding Resistance, ohm	0.85/0.85/0.85 (T1-T2/T2-T3/T3-T1)
Default Enclosure Class	IP 56

**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>
TF7	380 V / 3~ / 60 Hz	380		Y	1.00
TF5	200-230 V / 3~ / 60 Hz	230		Y	1.66