



Minimum Evaporating Temp. With:

- 10 K Suction Superheat - - - Maximal Envelope (If greater than operating envelope)
- Maximum Evaporating Temperature

Drive Frequency Range 35 - 80 Hz

Suction Superheat 5.0K

Drive Frequency 40 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	10.45	12.40	14.65	15.80	17.80		
25.0	9.91	11.90	14.10	15.10	16.95	18.75	
30.0	9.25	11.35	13.50	14.45	16.15	17.75	19.70
35.0	8.46	10.75	12.90	13.80	15.35	16.85	18.55
40.0	7.52	10.05	12.20	13.10	14.55	15.90	17.50
45.0	6.42	9.19	11.45	12.35	13.70	15.00	16.40
50.0		8.21	10.65	11.50	12.85	14.00	15.30
55.0		7.08	9.67	10.60	11.90	13.00	14.20
60.0		5.76	8.57	9.52	10.85	11.95	13.05
65.0			7.33	8.34	9.70	10.75	11.85
70.0			5.92	7.00	8.42	9.49	10.50
75.0							

40 Hz

ZRHV94KTR-TF7

R513A

Cond °C	Power, kW						
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	1.70	1.62	1.52	1.47	1.40		
25.0	1.94	1.90	1.84	1.80	1.76	1.72	
30.0	2.18	2.16	2.13	2.11	2.09	2.07	2.05
35.0	2.43	2.42	2.41	2.40	2.39	2.39	2.38
40.0	2.69	2.69	2.69	2.69	2.69	2.70	2.70
45.0	3.00	3.00	3.00	3.00	3.00	3.01	3.02
50.0		3.35	3.34	3.34	3.34	3.35	3.36
55.0		3.77	3.74	3.73	3.72	3.72	3.73
60.0		4.27	4.21	4.19	4.17	4.16	4.15
65.0			4.76	4.73	4.69	4.66	4.64
70.0			5.42	5.37	5.30	5.25	5.22
75.0							

Cond °C	Inverter Current at 380 V, A						
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	10.42	10.27	10.17	10.16	10.17		
25.0	10.63	10.54	10.49	10.48	10.51	10.57	
30.0	10.82	10.77	10.74	10.74	10.78	10.85	10.94
35.0	11.01	10.99	10.97	10.98	11.02	11.08	11.18
40.0	11.26	11.24	11.23	11.24	11.27	11.32	11.41
45.0	11.61	11.59	11.56	11.56	11.58	11.61	11.68
50.0		12.07	12.01	11.99	11.99	12.00	12.04
55.0		12.72	12.62	12.58	12.54	12.53	12.53
60.0		13.59	13.44	13.38	13.29	13.24	13.21
65.0			14.50	14.41	14.28	14.18	14.10
70.0			15.87	15.74	15.55	15.40	15.27
75.0							

Cond °C	Suction Mass Flow, g/s						
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	69.00	80.00	92.80	99.10	110.50		
25.0	68.50	80.50	93.30	99.40	110.00	120.50	
30.0	67.20	80.80	93.90	99.70	110.00	119.50	131.50
35.0	64.90	80.50	94.30	100.00	110.00	119.00	130.00
40.0	61.20	79.50	94.50	100.50	110.00	119.00	129.00
45.0	55.60	77.50	94.20	100.50	110.00	118.50	128.00
50.0		74.00	93.10	99.70	109.50	118.00	127.50
55.0		68.50	90.90	98.30	108.50	117.00	126.50
60.0		60.50	87.20	95.60	107.00	116.00	125.00
65.0			81.30	91.30	104.00	113.50	123.00
70.0			72.60	84.50	99.50	110.00	120.00
75.0							

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 60 Hz, m ³ /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**

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TF7	380 V / 3~ / 60 Hz	380		Y	1.00
TF5	200-230 V / 3~ / 60 Hz	230		Y	1.66