



Minimum Evaporating Temp. With:

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

Drive Frequency Range 35 - 80 Hz

Suction Superheat 5.0K

Drive Frequency 35 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	9.16	10.85	12.75	13.70	15.35		
25.0	8.57	10.40	12.30	13.15	14.65	16.20	
30.0	7.86	9.90	11.80	12.60	14.00	15.35	17.00
35.0	7.00	9.29	11.25	12.05	13.35	14.60	16.05
40.0	5.99	8.56	10.65	11.40	12.65	13.80	15.15
45.0	4.79	7.69	9.92	10.75	11.95	13.05	14.25
50.0		6.67	9.10	9.94	11.15	12.20	13.30
55.0		5.48	8.15	9.04	10.30	11.30	12.35
60.0			7.06	8.02	9.31	10.30	11.30
65.0			5.80	6.84	8.21	9.23	10.20
70.0			4.38	5.51	6.97	8.03	9.00
75.0							

35 Hz

ZRHV94KTR-TF7

R513A

Cond °C	Power, kW						
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	1.46	1.36	1.25	1.20	1.13		
25.0	1.69	1.63	1.56	1.52	1.48	1.44	
30.0	1.92	1.88	1.84	1.82	1.79	1.76	1.75
35.0	2.16	2.13	2.10	2.09	2.08	2.07	2.06
40.0	2.42	2.39	2.37	2.36	2.36	2.35	2.36
45.0	2.72	2.69	2.66	2.65	2.65	2.65	2.65
50.0		3.02	2.99	2.98	2.96	2.96	2.97
55.0		3.43	3.36	3.35	3.33	3.32	3.31
60.0			3.81	3.78	3.74	3.72	3.71
65.0			4.34	4.30	4.24	4.20	4.17
70.0			4.98	4.91	4.83	4.77	4.72
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	10.18	10.06	9.99	9.99	10.02		
25.0	10.45	10.37	10.34	10.35	10.39	10.47	
30.0	10.70	10.65	10.63	10.64	10.69	10.77	10.89
35.0	10.96	10.93	10.91	10.92	10.97	11.04	11.15
40.0	11.29	11.25	11.23	11.23	11.27	11.32	11.41
45.0	11.72	11.67	11.63	11.62	11.63	11.66	11.73
50.0		12.23	12.15	12.12	12.10	12.11	12.14
55.0		12.98	12.84	12.79	12.73	12.70	12.70
60.0			13.75	13.67	13.56	13.49	13.44
65.0			14.92	14.80	14.64	14.52	14.42
70.0			16.39	16.23	16.01	15.83	15.67
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	60.40	70.20	80.90	86.00	95.30		
25.0	59.30	70.50	81.50	86.50	95.20	104.00	
30.0	57.10	70.40	82.00	86.90	95.30	103.50	113.50
35.0	53.80	69.60	82.30	87.30	95.50	103.50	112.50
40.0	48.70	67.80	82.20	87.50	95.70	103.00	112.00
45.0	41.50	64.80	81.40	87.20	95.60	103.00	111.00
50.0		60.10	79.70	86.10	95.10	102.50	110.50
55.0		53.10	76.60	84.00	93.90	101.50	109.50
60.0			71.80	80.50	91.70	100.00	108.50
65.0			64.40	74.90	88.10	97.40	106.00
70.0			53.70	66.50	82.30	93.20	102.50
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