



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- Maximum Evaporating Temperature

Drive Frequency Range 35 - 80 Hz

Suction Superheat 5.0K

Drive Frequency 70 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	17.75	21.80	27.30	30.00	34.70		
25.0	16.95	20.70	25.70	28.20	32.40	36.60	
30.0	16.10	19.60	24.20	26.40	30.30	34.00	38.30
35.0	15.25	18.55	22.70	24.70	28.20	31.60	35.50
40.0	14.30	17.40	21.20	23.10	26.20	29.30	32.80
45.0	13.25	16.30	19.80	21.50	24.30	27.10	30.30
50.0	12.15	15.10	18.35	19.90	22.40	24.90	27.80
55.0		13.80	16.90	18.25	20.60	22.80	25.40
60.0		12.45	15.35	16.60	18.75	20.70	23.00
65.0			13.75	14.90	16.85	18.65	20.70
70.0			12.05	13.15	14.90	16.50	18.30
75.0			10.25	11.25	12.85	14.30	15.90

70 Hz

ZRHV94KTR-TF7

R513A

Cond °C	Power, kW						
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	3.58	3.50	3.36	3.30	3.18		
25.0	3.97	3.94	3.86	3.82	3.75	3.68	
30.0	4.36	4.37	4.34	4.32	4.28	4.24	4.19
35.0	4.76	4.81	4.82	4.81	4.80	4.78	4.76
40.0	5.19	5.27	5.31	5.32	5.32	5.32	5.32
45.0	5.67	5.77	5.83	5.84	5.86	5.88	5.89
50.0	6.22	6.32	6.39	6.41	6.44	6.46	6.48
55.0		6.94	7.01	7.04	7.07	7.09	7.12
60.0		7.66	7.72	7.74	7.77	7.79	7.81
65.0			8.51	8.53	8.55	8.57	8.59
70.0			9.42	9.43	9.43	9.44	9.45
75.0			10.45	10.45	10.45	10.40	10.40

Cond °C	Inverter Current at 380 V, A						
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	9.28	8.94	8.59	8.45	8.26		
25.0	9.87	9.65	9.40	9.31	9.18	9.09	
30.0	10.39	10.27	10.11	10.05	9.96	9.91	9.87
35.0	10.86	10.83	10.74	10.71	10.66	10.64	10.63
40.0	11.33	11.37	11.36	11.34	11.33	11.33	11.34
45.0	11.86	11.96	11.99	11.99	12.00	12.01	12.04
50.0	12.48	12.62	12.69	12.70	12.72	12.75	12.78
55.0		13.41	13.50	13.52	13.55	13.57	13.60
60.0		14.37	14.47	14.49	14.51	14.53	14.55
65.0			15.64	15.65	15.66	15.66	15.67
70.0			17.05	17.05	17.04	17.03	17.01
75.0			18.76	18.74	18.70	18.66	18.61

Cond °C	Suction Mass Flow, g/s						
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
20.0	117.00	141.00	173.00	189.00	216.00		
25.0	117.00	140.00	170.50	185.00	211.00	235.00	
30.0	117.00	139.50	168.00	182.00	206.00	229.00	256.00
35.0	117.00	139.00	166.00	179.00	202.00	224.00	249.00
40.0	116.00	138.00	164.50	177.00	198.00	219.00	242.00
45.0	115.00	137.00	162.50	174.50	194.50	214.00	237.00
50.0	112.50	136.00	161.00	172.00	191.50	210.00	231.00
55.0		133.50	158.50	169.50	188.00	206.00	226.00
60.0		130.50	156.00	167.00	184.50	201.00	220.00
65.0			152.50	163.50	180.50	196.50	215.00
70.0			147.50	159.00	176.00	191.50	209.00
75.0			141.00	152.50	170.00	185.50	202.00

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