



Minimum Evaporating Temp. With:
— 10 K Suction Superheat
— Maximum Evaporating Temperature
 Drive Frequency Range 30 - 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
20.0	10.00	12.35	15.10	16.35	18.30			
25.0	9.62	11.85	14.50	15.65	17.55			
30.0	9.17	11.30	13.85	14.95	16.75	18.35		
35.0	8.67	10.70	13.10	14.20	15.90	17.45	19.05	
40.0	8.14	10.10	12.35	13.35	15.00	16.45	18.00	
45.0	7.57	9.41	11.55	12.50	14.05	15.45	16.90	20.10
50.0	6.99	8.72	10.75	11.65	13.10	14.40	15.75	18.80
55.0	6.39	8.01	9.90	10.75	12.10	13.30	14.60	17.50
60.0	5.78	7.29	9.06	9.84	11.10	12.25	13.45	16.10
65.0	5.17	6.57	8.20	8.93	10.10	11.15	12.25	14.75
70.0		5.86	7.35	8.02	9.09	10.05	11.10	13.35
75.0			6.51	7.11	8.08	8.96	9.90	12.00

Cond °C	Power, kW							
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
20.0	1.98	2.01	2.04	2.05	2.06			
25.0	2.20	2.24	2.26	2.27	2.29			
30.0	2.42	2.46	2.49	2.50	2.52	2.53		
35.0	2.66	2.70	2.74	2.75	2.76	2.78	2.79	
40.0	2.91	2.96	2.99	3.00	3.02	3.04	3.05	
45.0	3.18	3.23	3.27	3.28	3.30	3.32	3.33	3.37
50.0	3.48	3.53	3.57	3.58	3.60	3.62	3.64	3.67
55.0	3.82	3.87	3.90	3.92	3.94	3.95	3.97	4.01
60.0	4.18	4.23	4.27	4.29	4.31	4.32	4.34	4.38
65.0	4.59	4.64	4.68	4.69	4.71	4.73	4.75	4.79
70.0		5.10	5.14	5.15	5.17	5.18	5.20	5.24
75.0			5.64	5.65	5.67	5.69	5.70	5.74

Cond °C	Inverter Current at 380 V, A							
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
20.0	9.76	9.94	10.15	10.25	10.42			
25.0	10.32	10.44	10.59	10.66	10.78			
30.0	10.78	10.88	10.98	11.03	11.10	11.18		
35.0	11.18	11.26	11.33	11.36	11.41	11.45	11.50	
40.0	11.53	11.61	11.67	11.69	11.71	11.74	11.76	
45.0	11.86	11.96	12.02	12.03	12.05	12.06	12.07	12.09
50.0	12.19	12.32	12.40	12.42	12.43	12.44	12.44	12.43
55.0	12.55	12.73	12.83	12.86	12.89	12.90	12.90	12.88
60.0	12.95	13.19	13.35	13.39	13.44	13.46	13.47	13.45
65.0	13.41	13.74	13.96	14.03	14.10	14.14	14.17	14.17
70.0		14.39	14.70	14.79	14.91	14.97	15.02	15.06
75.0			15.58	15.71	15.87	15.98	16.06	16.15

Cond °C	Suction Mass Flow, g/s							
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
20.0	66.10	79.90	95.70	102.50	113.50			
25.0	66.50	80.30	96.10	103.00	114.00			
30.0	66.70	80.40	96.20	103.00	114.00	123.50		
35.0	66.60	80.30	96.00	103.00	113.50	123.50	133.50	
40.0	66.20	79.90	95.50	102.50	113.00	123.00	133.00	
45.0	65.60	79.30	94.90	101.50	112.50	122.00	132.00	154.00
50.0	64.80	78.50	94.00	101.00	111.50	121.00	131.00	152.50
55.0	63.80	77.60	93.10	99.80	110.50	120.00	130.00	151.50
60.0	62.80	76.60	92.10	98.80	109.50	119.00	128.50	150.00
65.0	61.80	75.60	91.00	97.70	108.50	117.50	127.50	148.50
70.0		74.70	90.20	96.90	107.50	116.50	126.50	147.50
75.0			89.70	96.30	107.00	116.00	126.00	146.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 60 Hz, m ³ /h	20.5
Length/Width, mm	567/291
Height, mm	191
Net Weight, kg	49
Stub Suction, inch	7/8
Stub Discharge, inch	3/4
Drive Frequency Range, Hz	30 - 80
Oil Quantity, l	2.69
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE RL32-3MAF
Sound Pressure @ 1m (MT), dBA	73
Sound Power (MT), dBA	84
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-15 / 36 / -12 °C at 90 Hz
PED Category	I
Max. Internal Free Volume, l	7.10
High Side PS gauge, bar	32
Low Side PS gauge, bar	20
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	631
Refrigerant's classification	A1

50 Hz

ZRHV72KTR-TX7

R513A

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

Maximum Operating Current, A	22
Winding Resistance, ohm	0.7/0.7/0.7 (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
TX7	380 V / 3~ / 60 Hz	380	Y		1.00