



Minimum Evaporating Temp. With:
— 10 K Suction Superheat
— Maximum Evaporating Temperature
 Drive Frequency Range 30 - 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
20.0	7.93	9.77	11.95	12.95	14.55			
25.0	7.60	9.36	11.45	12.40	13.90			
30.0	7.23	8.92	10.90	11.80	13.25	14.55		
35.0	6.83	8.43	10.35	11.20	12.55	13.80	15.10	
40.0	6.39	7.92	9.71	10.50	11.80	13.00	14.25	
45.0	5.94	7.38	9.08	9.83	11.05	12.15	13.35	15.95
50.0	5.47	6.83	8.42	9.13	10.30	11.30	12.40	14.85
55.0	5.01	6.28	7.76	8.42	9.49	10.45	11.50	13.75
60.0	4.54	5.72	7.10	7.72	8.70	9.59	10.55	12.65
65.0	4.09	5.18	6.45	7.01	7.92	8.74	9.62	11.55
70.0		4.65	5.81	6.32	7.15	7.89	8.69	10.45
75.0			5.18	5.64	6.39	7.06	7.78	9.38

Cond °C	Power, kW							
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
20.0	1.58	1.61	1.64	1.64	1.66			
25.0	1.76	1.79	1.82	1.83	1.84			
30.0	1.94	1.98	2.00	2.01	2.03	2.05		
35.0	2.13	2.17	2.19	2.20	2.22	2.24	2.25	
40.0	2.33	2.37	2.40	2.41	2.42	2.44	2.46	
45.0	2.55	2.59	2.61	2.63	2.64	2.66	2.67	2.72
50.0	2.79	2.83	2.85	2.87	2.88	2.90	2.91	2.95
55.0	3.06	3.09	3.12	3.13	3.15	3.16	3.18	3.22
60.0	3.36	3.39	3.42	3.43	3.44	3.46	3.47	3.51
65.0	3.70	3.73	3.75	3.76	3.78	3.79	3.80	3.84
70.0		4.11	4.13	4.14	4.15	4.16	4.17	4.21
75.0			4.55	4.56	4.57	4.58	4.59	4.62

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	10.52	10.69	10.89	10.99	11.15			
25.0	10.99	11.12	11.27	11.34	11.46			
30.0	11.37	11.47	11.58	11.63	11.72	11.79		
35.0	11.67	11.77	11.86	11.89	11.95	12.00	12.06	
40.0	11.92	12.03	12.11	12.14	12.18	12.22	12.25	
45.0	12.14	12.27	12.37	12.40	12.43	12.46	12.48	12.53
50.0	12.35	12.53	12.65	12.68	12.73	12.75	12.77	12.80
55.0	12.59	12.82	12.98	13.03	13.08	13.12	13.14	13.17
60.0	12.85	13.16	13.38	13.45	13.53	13.58	13.61	13.65
65.0	13.18	13.58	13.88	13.97	14.08	14.16	14.21	14.28
70.0		14.10	14.48	14.61	14.77	14.87	14.96	15.07
75.0			15.23	15.40	15.61	15.75	15.87	16.05

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	52.30	63.10	75.70	81.30	90.20			
25.0	52.60	63.40	75.90	81.50	90.30			
30.0	52.60	63.40	75.90	81.40	90.20	98.00		
35.0	52.40	63.20	75.60	81.10	89.80	97.60	106.00	
40.0	52.00	62.70	75.10	80.60	89.20	96.90	105.00	
45.0	51.40	62.20	74.50	79.90	88.50	96.10	104.00	122.00
50.0	50.80	61.50	73.80	79.10	87.60	95.20	103.00	120.50
55.0	50.00	60.80	73.00	78.30	86.70	94.20	102.00	119.00
60.0	49.40	60.10	72.20	77.40	85.80	93.20	101.00	118.00
65.0	48.80	59.60	71.60	76.80	85.00	92.30	99.90	116.50
70.0		59.30	71.20	76.30	84.50	91.60	99.20	115.50
75.0			71.40	76.40	84.40	91.40	98.80	115.00

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

40 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