



Minimum Evaporating Temp. With:

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

Drive Frequency Range 30 - 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
20.0	6.87	8.45	10.35	11.20	12.60			
25.0	6.58	8.09	9.91	10.75	12.05			
30.0	6.25	7.70	9.43	10.20	11.45	12.60		
35.0	5.89	7.27	8.91	9.65	10.85	11.95	13.10	
40.0	5.50	6.81	8.37	9.07	10.20	11.20	12.30	
45.0	5.11	6.35	7.81	8.46	9.53	10.50	11.50	13.80
50.0	4.71	5.87	7.24	7.85	8.84	9.74	10.70	12.85
55.0	4.30	5.39	6.67	7.24	8.16	8.99	9.88	11.85
60.0	3.91	4.92	6.10	6.63	7.48	8.24	9.07	10.90
65.0		4.47	5.55	6.03	6.81	7.51	8.26	9.94
70.0								
75.0								

35 Hz

ZRHV72KTR-TX7

R513A

Cond °C	Power, kW							
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
20.0	1.38	1.41	1.44	1.44	1.46			
25.0	1.54	1.56	1.60	1.60	1.62			
30.0	1.70	1.72	1.76	1.76	1.78	1.80		
35.0	1.86	1.89	1.92	1.93	1.95	1.96	1.98	
40.0	2.03	2.07	2.09	2.11	2.12	2.14	2.16	
45.0	2.22	2.26	2.28	2.29	2.31	2.33	2.34	2.39
50.0	2.44	2.47	2.49	2.50	2.52	2.53	2.55	2.60
55.0	2.67	2.70	2.73	2.73	2.75	2.76	2.78	2.82
60.0	2.94	2.97	2.99	3.00	3.01	3.02	3.04	3.08
65.0		3.27	3.29	3.29	3.30	3.31	3.33	3.36
70.0								
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
20.0	10.85	11.02	11.23	11.33	11.49			
25.0	11.28	11.41	11.57	11.64	11.76			
30.0	11.60	11.72	11.85	11.90	11.99	12.07		
35.0	11.85	11.97	12.08	12.12	12.18	12.24	12.31	
40.0	12.05	12.18	12.28	12.32	12.37	12.42	12.47	
45.0	12.21	12.37	12.49	12.53	12.58	12.62	12.66	12.73
50.0	12.36	12.57	12.72	12.77	12.82	12.86	12.90	12.96
55.0	12.53	12.80	12.99	13.05	13.13	13.18	13.22	13.28
60.0	12.73	13.07	13.33	13.41	13.52	13.59	13.64	13.72
65.0		13.42	13.76	13.87	14.01	14.11	14.18	14.29
70.0								
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
20.0	45.30	54.60	65.60	70.40	78.30			
25.0	45.50	54.80	65.70	70.50	78.30			
30.0	45.40	54.70	65.60	70.40	78.10	85.00		
35.0	45.20	54.40	65.20	70.00	77.60	84.50	91.70	
40.0	44.80	54.00	64.70	69.40	77.00	83.80	90.90	
45.0	44.20	53.50	64.10	68.80	76.20	82.90	90.00	105.50
50.0	43.60	52.80	63.40	68.00	75.40	82.00	88.90	104.00
55.0	43.00	52.20	62.70	67.20	74.50	81.00	87.80	103.00
60.0	42.50	51.70	62.00	66.50	73.70	80.00	86.80	101.50
65.0		51.40	61.60	66.00	73.00	79.20	85.80	100.00
70.0								
75.0								

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 60 Hz, m <sup>3</sup> /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

35 Hz

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**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**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
TX7	380 V / 3~ / 60 Hz	380	Y		1.00