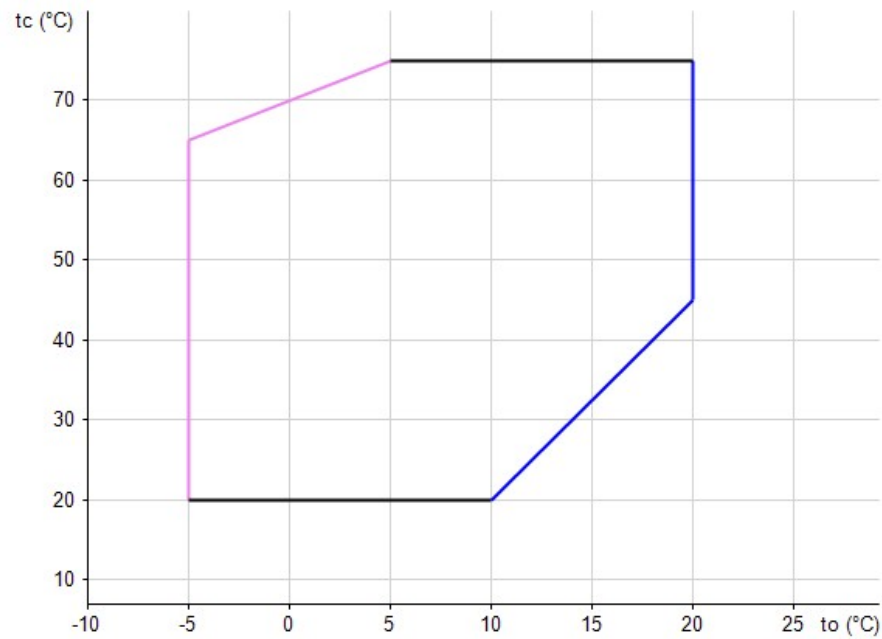


80 Hz

ZRHV81KTR-TX7

R513A



Minimum Evaporating Temp. With:

10 K Suction Superheat

Maximum Evaporating Temperature

Drive Frequency Range 30 - 80 Hz

Suction Superheat 5.0K

Drive Frequency 80 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	17.50	21.60	26.30	28.40	31.70			
25.0	17.00	20.90	25.50	27.50	30.70			
30.0	16.30	20.10	24.50	26.40	29.50	32.20		
35.0	15.45	19.10	23.30	25.20	28.10	30.70	33.50	
40.0	14.55	18.00	22.00	23.80	26.60	29.10	31.80	
45.0	13.50	16.80	20.60	22.30	25.00	27.40	30.00	35.50
50.0	12.40	15.50	19.15	20.70	23.30	25.60	28.00	33.30
55.0	11.30	14.20	17.60	19.10	21.50	23.70	26.00	31.00
60.0	10.15	12.85	16.05	17.45	19.75	21.80	23.90	28.70
65.0	9.03	11.55	14.50	15.80	17.95	19.85	21.80	26.30
70.0		10.20	12.95	14.15	16.10	17.90	19.75	23.90
75.0			11.40	12.55	14.30	15.95	17.65	21.50

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Cond °C	Power, kW							
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
20.0	3.55	3.62	3.67	3.68	3.70			
25.0	3.95	4.03	4.09	4.11	4.13			
30.0	4.37	4.45	4.52	4.53	4.56	4.57		
35.0	4.79	4.88	4.95	4.98	5.00	5.02	5.03	
40.0	5.24	5.34	5.41	5.44	5.47	5.49	5.50	
45.0	5.72	5.83	5.91	5.93	5.97	5.99	6.01	6.03
50.0	6.24	6.35	6.44	6.46	6.50	6.53	6.55	6.58
55.0	6.80	6.92	7.01	7.04	7.08	7.11	7.13	7.17
60.0	7.42	7.55	7.64	7.68	7.72	7.75	7.77	7.81
65.0	8.10	8.23	8.34	8.37	8.42	8.45	8.48	8.52
70.0		8.99	9.10	9.14	9.19	9.22	9.25	9.30
75.0			9.95	9.98	10.05	10.05	10.10	10.15

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	7.82	8.11	8.44	8.59	8.85			
25.0	8.83	9.04	9.28	9.38	9.57			
30.0	9.70	9.86	10.02	10.09	10.23	10.36		
35.0	10.48	10.60	10.70	10.75	10.84	10.92	11.04	
40.0	11.20	11.30	11.36	11.39	11.44	11.49	11.56	
45.0	11.89	11.99	12.03	12.04	12.06	12.09	12.13	12.27
50.0	12.59	12.69	12.73	12.74	12.75	12.76	12.78	12.86
55.0	13.32	13.46	13.51	13.52	13.52	13.52	13.53	13.57
60.0	14.13	14.31	14.40	14.41	14.42	14.42	14.42	14.45
65.0	15.03	15.29	15.42	15.45	15.48	15.49	15.49	15.51
70.0		16.42	16.62	16.67	16.72	16.75	16.77	16.80
75.0			18.02	18.10	18.19	18.25	18.29	18.35

80 Hz

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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	115.50	139.50	166.50	178.50	197.00			
25.0	117.50	141.50	169.00	180.50	199.00			
30.0	118.50	143.00	170.00	182.00	201.00	217.00		
35.0	118.50	143.00	170.50	182.50	201.00	218.00	235.00	
40.0	118.00	142.50	170.50	182.00	201.00	218.00	235.00	
45.0	117.00	141.50	169.50	181.00	200.00	217.00	234.00	271.00
50.0	115.00	140.00	167.50	179.50	198.50	215.00	233.00	270.00
55.0	113.00	137.50	165.50	177.50	197.00	214.00	231.00	268.00
60.0	110.50	135.00	163.50	175.50	194.50	211.00	229.00	267.00
65.0	108.00	132.50	161.00	173.00	192.50	209.00	227.00	265.00
70.0		130.50	159.00	171.00	190.50	207.00	225.00	263.00
75.0			157.50	169.50	189.00	206.00	224.00	263.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 60 Hz, m³/h	22.5
Length/Width, mm	567/291
Height, mm	191
Net Weight, kg	49.4
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
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

80 Hz

ZRHV81KTR-TX7

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

Maximum Operating Current, A	24
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