



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
25.0	8.08	9.96	12.15	14.65	17.55	20.80	22.30	24.60	
30.0	7.59	9.39	11.50	13.90	16.65	19.80	21.20	23.40	25.40
35.0	7.08	8.81	10.80	13.10	15.75	18.75	20.10	22.20	24.10
40.0	6.55	8.20	10.10	12.25	14.80	17.65	18.90	20.90	22.70
45.0		7.55	9.34	11.40	13.75	16.50	17.65	19.55	21.30
50.0			8.55	10.45	12.70	15.25	16.35	18.15	19.75
55.0				9.49	11.55	13.90	14.95	16.60	18.10
60.0					10.30	12.50	13.45	15.00	16.35
65.0						10.90	11.75	13.15	14.40

50 Hz

ZP72KCE-TFD

R410A Dew Point

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
25.0	2.82	2.82	2.84	2.86	2.88	2.92	2.94	2.97	
30.0	3.17	3.18	3.19	3.20	3.22	3.25	3.27	3.29	3.31
35.0	3.56	3.57	3.58	3.59	3.60	3.62	3.63	3.65	3.66
40.0	3.99	4.00	4.01	4.03	4.04	4.05	4.06	4.07	4.07
45.0		4.49	4.51	4.52	4.53	4.54	4.54	4.55	4.55
50.0			5.07	5.09	5.10	5.10	5.10	5.10	5.10
55.0				5.73	5.74	5.74	5.74	5.74	5.74
60.0					6.47	6.48	6.47	6.47	6.46
65.0						7.31	7.31	7.30	7.29

Cond °C	Current at 400 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
25.0	5.86	5.88	5.90	5.93	5.97	6.01	6.03	6.07	
30.0	6.29	6.30	6.32	6.34	6.37	6.41	6.42	6.45	6.48
35.0	6.80	6.81	6.82	6.84	6.86	6.89	6.90	6.92	6.95
40.0	7.41	7.41	7.42	7.43	7.45	7.47	7.48	7.50	7.52
45.0		8.12	8.13	8.13	8.14	8.16	8.17	8.18	8.20
50.0			8.95	8.95	8.96	8.97	8.98	8.99	9.00
55.0				9.91	9.91	9.92	9.93	9.93	9.94
60.0					11.00	11.01	11.01	11.02	11.03
65.0						12.25	12.26	12.26	12.27

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
25.0	44.00	53.60	64.50	77.00	91.30	107.50	114.50	125.50	
30.0	43.30	53.00	64.00	76.50	90.80	107.00	114.00	125.00	135.00
35.0	42.60	52.20	63.30	75.80	90.10	106.00	113.00	124.50	134.50
40.0	41.60	51.30	62.40	74.90	89.20	105.50	112.50	123.50	133.50
45.0		50.30	61.30	73.80	88.00	104.00	111.00	122.50	132.50
50.0			60.00	72.50	86.60	102.50	110.00	121.00	131.00
55.0				70.90	85.00	101.00	108.00	119.50	129.50
60.0					83.00	99.10	106.00	117.50	127.50
65.0						96.90	104.00	115.00	125.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	11.7
Length/Width, mm	246/246
Height, mm	455
Net Weight, kg	39.9
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.66
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (HT), dBA	59
Sound Power (HT), dBA	70
Sound Power with Sound Shell (HT), dBA	63
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Internal Free Volume, l	3.90
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Low Side TS Min., °C	-35
Refrigerant's GWP	2088
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	15
Locked Rotor Current, A	75
Winding Resistance, ohm	2.26
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Rubber Grommet For Single
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ACCESSORIES OPTIONAL

Enclosure Class	IP 54
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MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.09
TFE	500 V / 3~ / 50 Hz	500		Y	0.80
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.09
TFE	575 V / 3~ / 60 Hz	575		Y	0.80
TF7	380 V / 3~ / 60 Hz	380		Y	1.26