



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
27.0	7.85	9.68	11.85	14.30	17.20	20.50	21.90	24.20	26.20
30.0	7.57	9.34	11.45	13.85	16.65	19.80	21.20	23.40	25.40
35.0	7.09	8.78	10.75	13.05	15.70	18.75	20.10	22.20	24.00
40.0	6.61	8.20	10.05	12.25	14.75	17.60	18.85	20.90	22.60
45.0		7.61	9.35	11.40	13.75	16.45	17.60	19.50	21.20
50.0			8.61	10.50	12.70	15.20	16.35	18.10	19.70
55.0				9.59	11.60	13.95	15.00	16.60	18.10
60.0					10.45	12.60	13.55	15.05	16.40
65.0						11.10	11.95	13.30	14.55

50 Hz

ZPD72KCE-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
27.0	2.89	2.95	3.00	3.06	3.12	3.20	3.23	3.30	3.36
30.0	3.09	3.16	3.22	3.27	3.32	3.39	3.42	3.47	3.53
35.0	3.42	3.52	3.59	3.65	3.70	3.75	3.77	3.81	3.85
40.0	3.75	3.89	3.99	4.06	4.12	4.17	4.19	4.22	4.24
45.0		4.28	4.41	4.51	4.59	4.64	4.66	4.69	4.71
50.0			4.87	5.00	5.10	5.18	5.20	5.23	5.26
55.0				5.53	5.67	5.77	5.80	5.85	5.88
60.0					6.28	6.42	6.47	6.52	6.57
65.0						7.13	7.19	7.27	7.33

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
27.0	5.92	6.00	6.08	6.14	6.21	6.27	6.30	6.34	6.38
30.0	6.16	6.26	6.34	6.41	6.47	6.53	6.55	6.58	6.61
35.0	6.57	6.69	6.80	6.88	6.95	7.00	7.02	7.05	7.06
40.0	7.01	7.17	7.31	7.42	7.50	7.56	7.58	7.61	7.62
45.0		7.69	7.87	8.02	8.13	8.21	8.24	8.27	8.29
50.0			8.50	8.69	8.84	8.96	8.99	9.03	9.06
55.0				9.44	9.64	9.80	9.84	9.91	9.94
60.0					10.53	10.73	10.80	10.89	10.95
65.0						11.78	11.87	11.99	12.07

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
27.0	43.60	53.00	64.00	76.70	91.00	107.50	114.50	125.50	135.50
30.0	43.20	52.70	63.70	76.30	90.60	107.00	114.00	125.00	135.00
35.0	42.60	52.10	63.00	75.50	89.80	106.00	113.00	124.00	134.00
40.0	42.00	51.40	62.20	74.70	88.90	105.00	112.00	123.00	133.00
45.0		50.60	61.40	73.70	87.90	104.00	111.00	122.00	132.00
50.0			60.50	72.70	86.70	102.50	109.50	120.50	130.50
55.0				71.60	85.50	101.50	108.00	119.00	129.00
60.0					84.20	99.90	107.00	118.00	127.50
65.0						98.70	105.50	116.50	126.50

### **COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, m <sup>3</sup> /h	11.7
Length/Width, mm	246/246
Height, mm	494
Net Weight, kg	40.9
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.89
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	67
Sound Power (HT), dBA	78
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	5.90
High Side PS gauge, bar	43
Low Side PS gauge, bar	28
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	2.27
Default Enclosure Class	IP 21 (IEC 34)

### **ACCESSORIES INCLUDED**

Mounting Grommets	Rubber Grommet For Single
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### **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>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFM	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04