



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	6.65	8.34	10.20	12.35	14.80	17.60	18.85	20.80	
30.0	6.09	7.80	9.66	11.75	14.15	16.85	18.05	20.00	21.70
35.0	5.47	7.18	9.04	11.10	13.40	16.05	17.20	19.05	20.70
40.0	4.78	6.50	8.33	10.35	12.60	15.15	16.25	18.05	19.65
45.0		5.74	7.56	9.52	11.70	14.15	15.20	16.90	18.45
50.0			6.70	8.62	10.70	13.05	14.10	15.70	17.15
55.0				7.62	9.64	11.85	12.85	14.40	15.75
60.0					8.45	10.55	11.45	12.90	14.20
65.0						9.09	9.94	11.30	12.50

50 Hz

ZP61KCE-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	2.62	2.59	2.55	2.52	2.48	2.44	2.42	2.40	
30.0	2.99	2.95	2.90	2.86	2.81	2.75	2.73	2.69	2.66
35.0	3.37	3.32	3.27	3.22	3.16	3.09	3.06	3.02	2.98
40.0	3.78	3.73	3.67	3.61	3.54	3.46	3.42	3.37	3.33
45.0		4.17	4.11	4.04	3.96	3.87	3.83	3.77	3.72
50.0			4.59	4.52	4.43	4.33	4.29	4.23	4.17
55.0				5.05	4.96	4.86	4.81	4.74	4.68
60.0					5.56	5.45	5.41	5.33	5.26
65.0						6.13	6.08	6.00	5.93

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	5.21	5.17	5.13	5.09	5.04	4.99	4.97	4.94	
30.0	5.73	5.68	5.62	5.56	5.49	5.42	5.39	5.34	5.30
35.0	6.27	6.21	6.14	6.06	5.98	5.88	5.84	5.78	5.72
40.0	6.85	6.78	6.71	6.62	6.51	6.40	6.35	6.28	6.21
45.0		7.42	7.33	7.23	7.12	6.99	6.94	6.85	6.77
50.0			8.04	7.94	7.81	7.67	7.61	7.51	7.43
55.0				8.74	8.60	8.45	8.39	8.28	8.19
60.0					9.52	9.36	9.29	9.17	9.07
65.0						10.40	10.33	10.21	10.10

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	36.20	44.90	54.40	65.00	77.00	90.70	96.80	106.50	
30.0	34.80	44.00	53.80	64.70	77.00	90.90	97.00	107.00	115.50
35.0	32.90	42.60	52.90	64.20	76.70	90.80	97.00	107.00	115.50
40.0	30.40	40.70	51.50	63.10	76.00	90.30	96.60	106.50	115.50
45.0		38.30	49.60	61.70	74.80	89.40	95.70	106.00	115.00
50.0			47.10	59.60	73.10	88.10	94.50	104.50	114.00
55.0				56.90	70.90	86.20	92.80	103.00	112.50
60.0					68.00	83.80	90.50	101.00	110.50
65.0						80.80	87.80	98.80	108.50

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

Displacement @ 50 Hz, m³/h	10.1
Length/Width, mm	246/246
Height, mm	443
Net Weight, kg	40.3
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	60
Sound Power (HT), dBA	71
Sound Power with Sound Shell (HT), dBA	66
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	4.50
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	11.8
Locked Rotor Current, A	64
Winding Resistance, ohm	2.95
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