



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	3.45	4.38	5.49	6.77	8.24	9.89	10.60		
30.0	3.31	4.22	5.30	6.54	7.97	9.58	10.30	11.40	
35.0	3.08	3.94	4.96	6.15	7.51	9.04	9.71	10.75	11.70
40.0	2.84	3.65	4.61	5.74	7.02	8.48	9.11	10.10	11.00
45.0		3.35	4.25	5.31	6.52	7.89	8.49	9.43	10.25
50.0			3.88	4.86	6.00	7.28	7.84	8.73	9.51
55.0				4.40	5.45	6.65	7.17	7.99	8.73
60.0					4.88	5.97	6.45	7.21	7.89
65.0						5.25	5.68	6.36	6.98

50 Hz

ZPD34K5E-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	1.57	1.56	1.54	1.50	1.47	1.44	1.42		
30.0	1.69	1.68	1.65	1.62	1.59	1.56	1.54	1.52	
35.0	1.90	1.89	1.86	1.84	1.80	1.76	1.75	1.72	1.70
40.0	2.14	2.13	2.10	2.07	2.04	2.00	1.98	1.96	1.93
45.0		2.39	2.37	2.34	2.30	2.26	2.24	2.21	2.19
50.0			2.67	2.64	2.60	2.55	2.53	2.50	2.47
55.0				2.99	2.94	2.89	2.87	2.83	2.80
60.0					3.33	3.28	3.25	3.22	3.18
65.0						3.72	3.70	3.65	3.62

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	3.38	3.36	3.33	3.29	3.25	3.21	3.20		
30.0	3.51	3.49	3.46	3.43	3.39	3.35	3.33	3.31	
35.0	3.75	3.74	3.71	3.68	3.63	3.59	3.57	3.54	3.52
40.0	4.03	4.02	3.99	3.95	3.91	3.86	3.84	3.81	3.79
45.0		4.33	4.31	4.27	4.22	4.17	4.15	4.12	4.09
50.0			4.67	4.63	4.58	4.53	4.50	4.46	4.43
55.0				5.05	5.00	4.93	4.91	4.87	4.83
60.0					5.48	5.41	5.38	5.33	5.30
65.0						5.95	5.92	5.87	5.83

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	19.15	24.00	29.70	36.30	43.70	51.90	55.50		
30.0	18.95	23.80	29.50	36.00	43.40	51.70	55.20	60.80	
35.0	18.55	23.40	29.10	35.60	42.90	51.20	54.70	60.30	65.30
40.0	18.05	22.90	28.50	35.00	42.40	50.60	54.10	59.70	64.60
45.0		22.30	27.90	34.40	41.70	49.90	53.40	59.00	63.90
50.0			27.20	33.60	40.90	49.10	52.60	58.20	63.10
55.0				32.90	40.10	48.30	51.80	57.30	62.20
60.0					39.30	47.40	50.90	56.50	61.40
65.0						46.60	50.20	55.70	60.70

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

Displacement @ 50 Hz, m³/h	5.70
Length/Width, mm	243/243
Height, mm	448
Net Weight, kg	30.9
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.24
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	66
Sound Power (HT), dBA	77
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
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	7
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
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