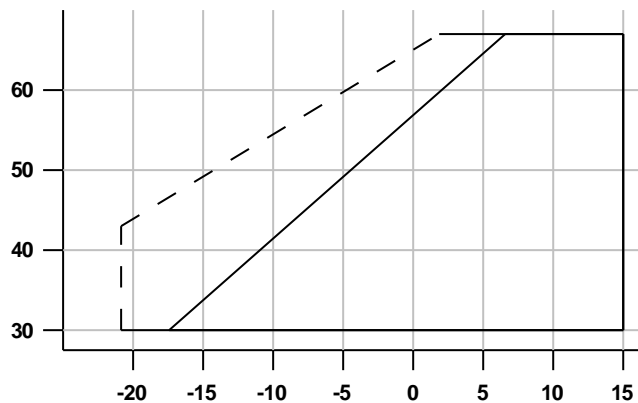


50Hz

ZR28K3E-TFD

R407C Dew Point



Minimum evaporating temp. with:

———— 25°C Suction Gas Return

- - - 10K Suction Superheat

Suction Superheat 10.0K

Evaporating Temperature °C

Liquid subcooling 0.0K

Cond °C	Capacity kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	2.34	3.03	3.87	4.88	6.04	7.35	7.92	8.83	9.62	10.45
35	2.22	2.88	3.69	4.66	5.78	7.06	7.61	8.49	9.27	10.10
40	2.08	2.70	3.47	4.39	5.47	6.71	7.24	8.09	8.85	9.64
45		2.50	3.22	4.10	5.13	6.31	6.82	7.64	8.37	9.13
50			2.96	3.78	4.75	5.88	6.37	7.15	7.85	8.58
55				3.45	4.36	5.42	5.88	6.63	7.29	7.99
60					3.96	4.95	5.38	6.09	6.71	7.38
65					3.56	4.47	4.88	5.53	6.12	6.74
67						4.28	4.67	5.31	5.88	6.48
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	1.22	1.21	1.21	1.20	1.19	1.18	1.17	1.16	1.15	1.13
35	1.37	1.37	1.37	1.37	1.36	1.34	1.34	1.32	1.30	1.28
40	1.55	1.55	1.56	1.55	1.54	1.53	1.52	1.50	1.48	1.45
45		1.76	1.76	1.76	1.75	1.73	1.72	1.70	1.67	1.65
50			2.00	2.00	1.99	1.96	1.95	1.92	1.90	1.87
55				2.26	2.25	2.23	2.21	2.18	2.15	2.12
60					2.55	2.52	2.50	2.47	2.44	2.40
65					2.88	2.85	2.83	2.80	2.77	2.73
67						3.00	2.98	2.94	2.91	2.86
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	2.75	2.74	2.74	2.74	2.73	2.72	2.71	2.69	2.66	2.63
35	2.91	2.91	2.91	2.91	2.91	2.89	2.88	2.85	2.83	2.79
40	3.11	3.11	3.12	3.12	3.11	3.09	3.08	3.05	3.02	2.98
45		3.36	3.37	3.37	3.36	3.34	3.32	3.29	3.26	3.21
50			3.67	3.67	3.66	3.63	3.61	3.58	3.54	3.49
55				4.02	4.01	3.97	3.95	3.91	3.87	3.81
60					4.41	4.37	4.35	4.30	4.25	4.19
65					4.88	4.83	4.80	4.75	4.70	4.63
67						5.03	5.01	4.95	4.89	4.83
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	13.70	17.40	21.90	27.20	33.10	39.80	42.60	47.10	51.00	55.10
35	13.60	17.40	21.90	27.20	33.20	39.90	42.80	47.30	51.30	55.50
40	13.50	17.10	21.60	26.90	33.00	39.80	42.70	47.30	51.30	55.50
45		16.70	21.20	26.40	32.50	39.30	42.30	46.90	51.00	55.30
50			20.60	25.80	31.90	38.70	41.70	46.40	50.50	54.80
55				25.10	31.10	38.00	40.90	45.60	49.80	54.10
60					30.30	37.10	40.00	44.80	48.90	53.30
65					29.40	36.10	39.10	43.80	48.00	52.40
67						35.80	38.80	43.50	47.70	52.10

**Copeland Scroll - Compressor - Air Conditioning - Standard**
**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, cu.m/h	6.8
Length/Width, mm	242/242
Height, mm	363
Net Weight, kg	25
Gross Weight, kg	29
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	54
Sound Power, dBA	65
PED Category	1
High Side PS, bar(g)	29.5
Low Side PS, bar(g)	20
Low Side TS Max., °C	50
Internal Free Volume, l	2.9

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

Maximum Operating Current, A	5.1
Locked Rotor Current, A	32
Winding Resistance, ohm	5.9
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	70W External
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**MOTOR OPTIONS**

<i>Power Supply</i>	<i>Nominal Voltage</i>	<i>Motor Code</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
380-420 V/3~/50H	400	TFD		Y	1.00
200-220 V/3~/50H	200	TF5		Y	2.09
200-230 V/3~/60H	230	TF5		Y	2.09
460 V/3~/60Hz	460	TFD		Y	1.04