



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
25	9.40	11.60	14.10	16.95	20.20	23.90	25.50	28.10	30.40
30	8.76	10.90	13.35	16.10	19.25	22.80	24.40	26.90	29.20
35	8.10	10.15	12.50	15.15	18.20	21.70	23.20	25.60	27.80
40	7.43	9.39	11.60	14.15	17.10	20.40	21.90	24.20	26.30
45		8.60	10.70	13.15	15.90	19.10	20.50	22.70	24.70
50			9.76	12.05	14.65	17.70	19.00	21.10	23.10
55				10.90	13.35	16.20	17.45	19.45	21.20
60					11.95	14.55	15.75	17.60	19.30
65						12.80	13.85	15.60	17.10
	Power Input kW								
	-20	-15	-10	-5	0	5	7	10	12.5
25	3.04	3.07	3.10	3.14	3.20	3.28	3.31	3.38	3.45
30	3.45	3.48	3.52	3.55	3.60	3.67	3.71	3.77	3.83
35	3.92	3.95	3.97	4.01	4.05	4.11	4.14	4.19	4.24
40	4.44	4.47	4.49	4.51	4.55	4.59	4.62	4.66	4.71
45		5.06	5.07	5.09	5.11	5.15	5.17	5.20	5.24
50			5.74	5.75	5.76	5.78	5.79	5.82	5.84
55				6.50	6.50	6.50	6.51	6.52	6.54
60					7.34	7.33	7.33	7.33	7.34
65						8.28	8.27	8.26	8.26
	Current 400V, A								
	-20	-15	-10	-5	0	5	7	10	12.5
25	7.48	7.52	7.55	7.60	7.65	7.74	7.78	7.85	7.92
30	7.95	7.98	8.02	8.06	8.12	8.20	8.24	8.30	8.37
35	8.49	8.53	8.56	8.60	8.65	8.72	8.76	8.82	8.88
40	9.13	9.16	9.19	9.22	9.26	9.33	9.36	9.41	9.47
45		9.92	9.93	9.95	9.99	10.03	10.06	10.11	10.16
50			10.81	10.81	10.83	10.86	10.88	10.92	10.96
55				11.82	11.82	11.84	11.85	11.87	11.91
60					12.98	12.97	12.98	12.99	13.01
65						14.29	14.28	14.28	14.29
	Mass Flow g/s								
	-20	-15	-10	-5	0	5	7	10	12.5
25	51.30	62.60	75.00	89.50	105.50	123.50	131.50	144.00	155.00
30	50.10	61.60	74.30	88.50	105.00	123.50	131.50	144.00	155.00
35	48.80	60.30	73.30	88.00	104.50	123.00	131.00	144.00	155.00
40	47.30	58.90	71.90	86.50	103.00	122.00	130.00	143.50	155.00
45		57.30	70.40	85.00	102.00	121.00	129.00	142.50	154.00
50			68.70	83.50	100.50	119.50	128.00	141.00	153.00
55				81.50	98.50	117.50	126.00	139.50	152.00
60					96.50	116.00	124.50	138.00	150.00
65						114.00	122.50	136.50	149.00

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

Displacement @ 50 Hz, cu.m/h	13.4
Length/Width, mm	241/247
Height, mm	440
Net Weight, kg	39.5
Gross Weight, kg	51
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.8
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	61
Sound Power, dBA	72
PED Category	1
High Side PS, bar(g)	43
Low Side PS, bar(g)	28
Low Side TS Max., °C	50
Internal Free Volume, l	5.8

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

Maximum Operating Current, A	15
Locked Rotor Current, A	101
Winding Resistance, ohm	1.8
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