



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
27	7.57	9.43	11.55	13.95	16.70	19.80	21.20	23.30	25.20
30	7.35	9.19	11.25	13.65	16.35	19.40	20.70	22.80	24.70
35	6.95	8.74	10.75	13.05	15.65	18.60	19.90	21.90	23.70
40	6.50	8.25	10.20	12.45	14.95	17.80	19.00	21.00	22.70
45		7.71	9.61	11.75	14.15	16.90	18.05	19.95	21.60
50			8.97	11.00	13.35	15.95	17.10	18.90	20.50
55			8.30	10.25	12.45	14.95	16.05	17.80	19.30
60				9.47	11.55	13.95	15.00	16.65	18.10
65					10.65	12.90	13.90	15.45	16.85
	Power Input kW								
	-20	-15	-10	-5	0	5	7	10	12.5
27	2.98	2.98	2.98	3.00	3.03	3.07	3.09	3.12	3.16
30	3.16	3.16	3.16	3.17	3.19	3.22	3.24	3.27	3.31
35	3.50	3.49	3.49	3.49	3.51	3.53	3.55	3.57	3.60
40	3.90	3.88	3.87	3.87	3.88	3.89	3.90	3.92	3.95
45		4.32	4.31	4.30	4.30	4.31	4.32	4.33	4.35
50			4.80	4.78	4.78	4.78	4.78	4.79	4.81
55			5.34	5.32	5.31	5.30	5.31	5.31	5.32
60				5.91	5.89	5.88	5.88	5.88	5.89
65					6.53	6.52	6.51	6.51	6.52
	Current 400V, A								
	-20	-15	-10	-5	0	5	7	10	12.5
27	5.97	5.98	6.00	6.02	6.05	6.11	6.14	6.19	6.25
30	6.21	6.22	6.22	6.24	6.26	6.31	6.34	6.39	6.44
35	6.67	6.67	6.67	6.67	6.68	6.72	6.74	6.78	6.83
40	7.23	7.22	7.20	7.19	7.19	7.22	7.23	7.27	7.31
45		7.85	7.83	7.80	7.80	7.81	7.82	7.85	7.88
50			8.55	8.52	8.50	8.50	8.51	8.53	8.56
55			9.37	9.33	9.30	9.29	9.30	9.31	9.33
60				10.25	10.21	10.19	10.19	10.20	10.22
65					11.24	11.21	11.20	11.21	11.22
	Mass Flow g/s								
	-20	-15	-10	-5	0	5	7	10	12.5
27	44.20	54.30	65.70	78.50	93.00	109.00	116.00	127.00	136.50
30	43.90	54.10	65.50	78.50	92.50	109.00	115.50	126.50	136.50
35	43.10	53.50	65.00	78.00	92.50	108.50	115.50	126.50	136.00
40	42.00	52.60	64.20	77.00	91.50	107.50	114.50	125.50	135.00
45		51.40	63.10	76.00	90.50	106.50	113.50	124.50	134.00
50			61.60	74.60	89.00	105.00	112.00	123.00	132.50
55			59.90	73.00	87.50	103.50	110.50	121.50	131.00
60				71.00	85.50	101.50	108.50	119.50	129.00
65					83.50	99.50	106.00	117.00	127.00

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

Displacement @ 50 Hz, cu.m/h	17.1
Length/Width, mm	242/242
Height, mm	438
Net Weight, kg	38.6
Gross Weight, kg	44
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
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)	29.5
Low Side PS, bar(g)	20
Low Side TS Max., °C	50
Internal Free Volume, l	4.1

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

Maximum Operating Current, A	13
Locked Rotor Current, A	74
Winding Resistance, ohm	2.3
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

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
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