



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	6.00	7.49	9.19	11.15	13.40	16.00	17.15	19.00	20.60
30	5.55	7.02	8.68	10.55	12.70	15.20	16.30	18.00	19.55
35	5.05	6.51	8.12	9.94	12.00	14.35	15.35	17.00	18.50
40	4.51	5.95	7.53	9.27	11.25	13.45	14.45	16.00	17.35
45		5.35	6.88	8.56	10.45	12.55	13.45	14.90	16.20
50			6.18	7.80	9.57	11.55	12.40	13.75	15.00
55				6.97	8.65	10.50	11.30	12.55	13.70
60					7.64	9.37	10.10	11.30	12.30
65						8.11	8.79	9.85	10.80
	Power Input kW								
	-20	-15	-10	-5	0	5	7	10	12.5
25	2.11	2.10	2.08	2.05	2.02	1.98	1.97	1.95	1.93
30	2.41	2.39	2.37	2.34	2.30	2.26	2.25	2.22	2.20
35	2.73	2.71	2.69	2.65	2.62	2.57	2.55	2.52	2.50
40	3.09	3.07	3.05	3.01	2.97	2.92	2.90	2.87	2.84
45		3.48	3.45	3.42	3.37	3.32	3.30	3.27	3.24
50			3.91	3.88	3.83	3.78	3.76	3.72	3.69
55				4.40	4.35	4.30	4.27	4.24	4.20
60					4.94	4.89	4.86	4.82	4.79
65						5.56	5.53	5.49	5.46
	Current 400V, A								
	-20	-15	-10	-5	0	5	7	10	12.5
25	3.97	3.94	3.91	3.87	3.83	3.78	3.77	3.75	3.74
30	4.39	4.36	4.32	4.28	4.22	4.17	4.14	4.11	4.09
35	4.84	4.82	4.79	4.74	4.68	4.61	4.58	4.54	4.51
40	5.36	5.35	5.31	5.27	5.20	5.13	5.10	5.05	5.01
45		5.94	5.91	5.87	5.81	5.73	5.70	5.64	5.59
50			6.60	6.56	6.50	6.43	6.39	6.33	6.28
55				7.35	7.30	7.23	7.19	7.14	7.09
60					8.21	8.14	8.11	8.06	8.01
65						9.19	9.16	9.11	9.06
	Mass Flow g/s								
	-20	-15	-10	-5	0	5	7	10	12.5
25	32.70	40.40	49.00	58.70	69.90	82.50	88.00	97.00	105.00
30	31.70	39.60	48.40	58.20	69.40	82.00	87.50	96.50	104.50
35	30.40	38.60	47.60	57.60	68.70	81.50	87.00	95.50	103.50
40	28.70	37.40	46.60	56.70	67.90	80.50	86.00	94.50	102.00
45		35.70	45.20	55.50	66.80	79.50	84.50	93.50	101.00
50			43.50	54.00	65.40	78.00	83.50	92.00	99.50
55				52.10	63.70	76.50	82.00	90.50	98.00
60					61.60	74.40	80.00	88.50	96.00
65						72.20	77.50	86.50	94.00

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

Displacement @ 50 Hz, cu.m/h	8.9
Length/Width, mm	242/242
Height, mm	422
Net Weight, kg	34
Stub Suction, inch	7/8"
Stub Discharge, inch	1/2"
Oil Quantity, l	1.2
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	57
Sound Power, dBA	68
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	3.1

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

Maximum Operating Current, A	10.3
Locked Rotor Current, A	51.5
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES OPTIONAL

Crankcase Heater	40W 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	TFM		Y	1.00