



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	2.11	2.82	3.68	4.67	5.79	7.04	7.58	8.42	9.15
30	1.96	2.66	3.48	4.43	5.50	6.70	7.21	8.01	8.71
35	1.79	2.46	3.25	4.16	5.19	6.33	6.82	7.58	8.25
40	1.58	2.23	2.99	3.87	4.85	5.94	6.40	7.13	7.76
45		1.96	2.69	3.53	4.47	5.51	5.96	6.65	7.25
50			2.35	3.16	4.06	5.05	5.47	6.13	6.70
55				2.74	3.60	4.54	4.94	5.56	6.10
60					3.09	3.98	4.36	4.94	5.45
65						3.35	3.70	4.24	4.71
	Power Input kW								
	-20	-15	-10	-5	0	5	7	10	12.5
25	0.96	0.97	0.96	0.93	0.89	0.86	0.84	0.83	0.82
30	1.10	1.11	1.10	1.08	1.05	1.01	1.00	0.99	0.98
35	1.26	1.27	1.27	1.24	1.21	1.18	1.17	1.15	1.15
40	1.44	1.46	1.45	1.42	1.39	1.36	1.34	1.33	1.32
45		1.67	1.66	1.63	1.59	1.56	1.54	1.53	1.52
50			1.91	1.87	1.83	1.79	1.77	1.75	1.73
55				2.16	2.11	2.06	2.04	2.01	1.99
60					2.44	2.37	2.35	2.31	2.29
65						2.74	2.71	2.67	2.63
	Current 400V, A								
	-20	-15	-10	-5	0	5	7	10	12.5
25	2.30	2.27	2.26	2.24	2.22	2.19	2.17	2.14	2.10
30	2.49	2.45	2.42	2.40	2.38	2.35	2.33	2.30	2.26
35	2.71	2.65	2.62	2.59	2.56	2.53	2.51	2.48	2.44
40	2.97	2.90	2.85	2.81	2.78	2.74	2.72	2.69	2.65
45		3.19	3.13	3.08	3.03	2.99	2.97	2.94	2.90
50			3.47	3.40	3.35	3.29	3.27	3.23	3.20
55				3.79	3.72	3.65	3.63	3.59	3.55
60					4.17	4.09	4.06	4.01	3.97
65						4.61	4.57	4.51	4.47
	Mass Flow g/s								
	-20	-15	-10	-5	0	5	7	10	12.5
25	11.50	15.20	19.60	24.60	30.20	36.40	39.00	43.10	46.70
30	11.20	15.00	19.40	24.40	30.00	36.20	38.80	42.90	46.40
35	10.80	14.60	19.10	24.10	29.70	35.90	38.50	42.60	46.10
40	10.10	14.00	18.50	23.60	29.30	35.50	38.10	42.20	45.70
45		13.10	17.70	22.90	28.70	34.90	37.50	41.60	45.20
50			16.60	21.90	27.80	34.10	36.80	40.90	44.50
55				20.50	26.50	33.00	35.80	40.00	43.60
60					24.90	31.60	34.40	38.70	42.50
65						29.80	32.70	37.20	41.00

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

Displacement @ 50 Hz, cu.m/h	4
Length/Width, mm	242/242
Height, mm	407
Net Weight, kg	21.9
Stub Suction, inch	3/4"
Stub Discharge, inch	1/2"
Oil Quantity, l	0.7
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	55
Sound Power, dBA	66
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	2.1

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

Maximum Operating Current, A	4.7
Locked Rotor Current, A	28
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