



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	6.65	8.35	10.25	12.35	14.80	17.60	18.85	20.90	22.70
30	6.09	7.80	9.67	11.75	14.15	16.85	18.10	20.00	21.70
35	5.47	7.19	9.04	11.10	13.40	16.05	17.20	19.10	20.70
40	4.78	6.50	8.34	10.35	12.60	15.15	16.25	18.05	19.65
45		5.75	7.56	9.53	11.70	14.15	15.20	16.95	18.45
50			6.70	8.62	10.70	13.05	14.10	15.70	17.20
55				7.62	9.64	11.85	12.85	14.40	15.75
60					8.45	10.55	11.50	12.95	14.25
65						9.10	9.95	11.30	12.50
	Power Input kW								
	-20	-15	-10	-5	0	5	7	10	12.5
25	2.63	2.59	2.56	2.52	2.48	2.44	2.42	2.40	2.38
30	2.99	2.95	2.91	2.86	2.81	2.76	2.73	2.70	2.66
35	3.38	3.33	3.28	3.22	3.16	3.09	3.06	3.02	2.98
40	3.78	3.73	3.68	3.61	3.54	3.46	3.43	3.38	3.33
45		4.17	4.11	4.04	3.96	3.87	3.84	3.78	3.72
50			4.60	4.52	4.43	4.34	4.30	4.23	4.17
55				5.06	4.97	4.86	4.82	4.75	4.68
60					5.57	5.46	5.41	5.33	5.27
65						6.13	6.08	6.00	5.93
	Current 400V, A								
	-20	-15	-10	-5	0	5	7	10	12.5
25	5.22	5.18	5.14	5.09	5.04	4.99	4.97	4.94	4.91
30	5.74	5.68	5.63	5.56	5.49	5.42	5.39	5.34	5.30
35	6.28	6.22	6.15	6.07	5.98	5.89	5.85	5.78	5.73
40	6.86	6.79	6.71	6.62	6.52	6.41	6.36	6.28	6.22
45		7.43	7.34	7.24	7.13	7.00	6.94	6.86	6.78
50			8.05	7.94	7.82	7.68	7.62	7.52	7.43
55				8.74	8.61	8.46	8.39	8.29	8.19
60					9.52	9.36	9.29	9.18	9.08
65						10.40	10.33	10.21	10.11
	Mass Flow g/s								
	-20	-15	-10	-5	0	5	7	10	12.5
25	36.30	45.00	54.50	65.10	77.00	91.00	97.00	106.50	115.50
30	34.90	44.00	53.90	64.90	77.00	91.00	97.50	107.00	116.00
35	32.90	42.70	53.00	64.30	77.00	91.00	97.00	107.00	116.00
40	30.40	40.80	51.60	63.30	76.00	90.50	97.00	107.00	115.50
45		38.30	49.70	61.80	75.00	89.50	96.00	106.00	115.00
50			47.10	59.70	73.30	88.00	94.50	105.00	114.00
55				57.00	71.00	86.50	93.00	103.50	112.50
60					68.20	84.00	90.50	101.50	111.00
65						81.00	88.00	99.00	108.50

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

Displacement @ 50 Hz, cu.m/h	10.1
Length/Width, mm	245/249
Height, mm	440
Net Weight, kg	40.3
Gross Weight, kg	46
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.7
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	60
Sound Power, dBA	71
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	11.8
Locked Rotor Current, A	64
Winding Resistance, ohm	2.8
Default Enclosure Class	IP 21 (IEC 34)

MOTOR OPTIONS

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
380-420 V/3~/50H	400	TFD		Y	1.00