



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	15
30	6.39	8.22	10.35	12.80	15.65	18.90	20.30	22.60	24.70	26.90
35	5.85	7.62	9.66	12.00	14.75	17.85	19.25	21.50	23.40	25.50
40	5.30	7.02	8.98	11.25	13.85	16.85	18.15	20.30	22.20	24.20
45		6.40	8.29	10.45	12.95	15.80	17.05	19.10	20.90	22.80
50			7.59	9.66	12.05	14.75	15.95	17.90	19.60	21.50
55				8.86	11.10	13.70	14.85	16.70	18.35	20.10
60					10.20	12.65	13.75	15.50	17.05	18.70
65					9.28	11.60	12.65	14.30	15.75	17.35
67						11.20	12.20	13.80	15.25	16.80
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	2.82	2.86	2.89	2.90	2.92	2.95	2.97	3.01	3.05	3.10
35	3.17	3.22	3.25	3.27	3.28	3.30	3.31	3.33	3.36	3.39
40	3.55	3.62	3.66	3.67	3.68	3.69	3.70	3.71	3.73	3.75
45		4.05	4.10	4.13	4.14	4.15	4.15	4.15	4.16	4.17
50			4.59	4.63	4.65	4.66	4.66	4.66	4.66	4.67
55				5.18	5.21	5.23	5.23	5.23	5.23	5.23
60					5.84	5.86	5.87	5.87	5.87	5.87
65					6.52	6.56	6.57	6.58	6.58	6.58
67						6.86	6.87	6.89	6.89	6.89
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	5.78	5.83	5.86	5.88	5.91	5.95	5.98	6.02	6.07	6.14
35	6.24	6.31	6.35	6.37	6.39	6.41	6.43	6.46	6.49	6.54
40	6.75	6.85	6.90	6.93	6.94	6.95	6.96	6.98	7.00	7.03
45		7.45	7.52	7.56	7.58	7.59	7.59	7.60	7.61	7.63
50			8.23	8.29	8.32	8.33	8.33	8.33	8.34	8.34
55				9.12	9.16	9.18	9.19	9.19	9.19	9.19
60					10.13	10.17	10.17	10.18	10.18	10.18
65					11.24	11.29	11.31	11.32	11.33	11.33
67						11.79	11.80	11.82	11.83	11.83
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	37.40	47.30	58.50	71.30	86.00	102.00	109.50	121.00	131.00	142.00
35	35.90	45.90	57.20	70.10	84.50	101.00	108.00	119.50	129.50	140.50
40	34.20	44.50	55.90	68.80	83.50	100.00	107.00	118.50	128.50	139.00
45		42.80	54.40	67.40	82.00	98.50	105.50	117.00	127.50	138.00
50			52.90	66.00	80.50	97.50	104.50	116.00	126.00	137.00
55				64.50	79.50	96.00	103.50	115.00	125.00	136.00
60					78.00	95.00	102.00	114.00	124.00	135.00
65					76.50	94.00	101.50	113.00	123.50	135.00
67						93.50	101.00	113.00	123.50	135.00

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
------------------	--------------

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