



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	4.35	5.52	6.91	8.55	10.45	12.70	13.65	15.25	16.65	18.20
35	4.05	5.18	6.52	8.10	9.94	12.10	13.05	14.55	15.90	17.40
40	3.75	4.83	6.12	7.63	9.40	11.45	12.35	13.80	15.15	16.55
45		4.48	5.71	7.15	8.83	10.80	11.65	13.05	14.30	15.65
50			5.28	6.65	8.25	10.10	10.95	12.30	13.50	14.75
55				6.14	7.65	9.42	10.20	11.45	12.60	13.85
60					7.03	8.70	9.44	10.65	11.70	12.90
65					6.39	7.95	8.65	9.77	10.80	11.90
67						7.65	8.32	9.42	10.40	11.50
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	2.14	2.13	2.11	2.09	2.05	1.99	1.97	1.92	1.87	1.82
35	2.38	2.37	2.36	2.34	2.31	2.27	2.25	2.21	2.17	2.13
40	2.66	2.64	2.63	2.61	2.59	2.56	2.55	2.52	2.49	2.45
45		2.95	2.94	2.93	2.91	2.89	2.88	2.85	2.83	2.80
50			3.30	3.29	3.27	3.25	3.25	3.23	3.21	3.19
55				3.71	3.69	3.68	3.67	3.65	3.64	3.62
60					4.18	4.16	4.16	4.14	4.13	4.12
65					4.75	4.73	4.72	4.71	4.70	4.69
67						4.98	4.97	4.96	4.95	4.94
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	4.86	4.87	4.86	4.83	4.77	4.68	4.64	4.57	4.50	4.42
35	5.18	5.19	5.19	5.16	5.11	5.03	4.99	4.93	4.86	4.79
40	5.51	5.53	5.53	5.51	5.46	5.40	5.36	5.30	5.24	5.17
45		5.89	5.90	5.88	5.85	5.79	5.75	5.70	5.64	5.58
50			6.31	6.30	6.27	6.22	6.19	6.14	6.09	6.04
55				6.79	6.76	6.72	6.69	6.65	6.60	6.55
60					7.34	7.30	7.27	7.23	7.19	7.15
65					8.00	7.97	7.95	7.92	7.88	7.84
67						8.27	8.25	8.22	8.18	8.14
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	25.40	31.70	39.10	47.60	57.50	68.70	73.60	81.50	88.50	96.00
35	24.80	31.20	38.60	47.20	57.10	68.30	73.30	81.00	88.00	95.50
40	24.20	30.60	38.10	46.70	56.60	67.90	72.80	80.50	88.00	95.50
45		30.00	37.50	46.10	56.00	67.30	72.30	80.00	87.50	95.00
50			36.80	45.40	55.40	66.70	71.70	79.50	86.50	94.50
55				44.60	54.60	66.00	71.00	79.00	86.00	93.50
60					53.70	65.20	70.20	78.00	85.50	93.00
65					52.80	64.30	69.30	77.50	84.50	92.50
67						63.90	69.00	77.00	84.50	92.00

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

Displacement @ 50 Hz, cu.m/h	11.4
Length/Width, mm	242/242
Height, mm	417
Net Weight, kg	30.8
Gross Weight, kg	32.7
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.4
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)	29.5
Low Side PS, bar(g)	20
Low Side TS Max., °C	50
Internal Free Volume, l	3.3

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

Maximum Operating Current, A	10
Locked Rotor Current, A	50
Winding Resistance, ohm	3.9
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