



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	6.84	8.97	11.35	14.10	17.25	20.90	22.60	25.20	27.60	30.20
35	6.31	8.41	10.75	13.40	16.50	20.10	21.60	24.20	26.50	29.00
40	5.75	7.80	10.05	12.65	15.60	19.05	20.60	23.00	25.30	27.70
45		7.15	9.33	11.80	14.65	17.95	19.40	21.80	23.90	26.20
50			8.55	10.90	13.60	16.70	18.10	20.40	22.40	24.60
55				9.96	12.50	15.45	16.75	18.90	20.80	22.90
60					11.35	14.10	15.35	17.30	19.15	21.10
65					10.20	12.70	13.85	15.70	17.40	19.25
67						12.15	13.25	15.05	16.70	18.45
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	3.12	3.16	3.19	3.22	3.26	3.31	3.34	3.39	3.44	3.50
35	3.53	3.57	3.60	3.63	3.66	3.71	3.74	3.79	3.84	3.90
40	4.01	4.05	4.07	4.09	4.12	4.17	4.19	4.24	4.28	4.34
45		4.60	4.62	4.63	4.65	4.68	4.70	4.74	4.79	4.84
50			5.25	5.25	5.25	5.27	5.29	5.32	5.36	5.40
55				5.96	5.95	5.95	5.96	5.98	6.01	6.04
60					6.74	6.72	6.72	6.73	6.74	6.77
65					7.64	7.60	7.59	7.58	7.58	7.60
67						7.98	7.97	7.95	7.95	7.96
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	7.91	8.05	8.08	8.05	8.00	8.00	8.02	8.09	8.19	8.33
35	8.08	8.26	8.32	8.31	8.29	8.32	8.35	8.43	8.55	8.70
40	8.43	8.63	8.70	8.71	8.71	8.75	8.79	8.88	9.00	9.16
45		9.19	9.27	9.28	9.28	9.32	9.36	9.45	9.57	9.73
50			10.04	10.04	10.03	10.05	10.09	10.18	10.29	10.44
55				11.01	10.98	10.98	11.00	11.08	11.17	11.32
60					12.15	12.12	12.13	12.18	12.26	12.38
65					13.58	13.50	13.49	13.50	13.56	13.65
67						14.12	14.10	14.10	14.15	14.23
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	40.00	51.60	64.30	78.50	94.50	113.50	121.50	134.50	146.50	159.00
35	38.70	50.70	63.70	78.00	94.50	113.50	121.50	135.00	147.00	160.00
40	37.10	49.40	62.70	77.50	94.00	113.00	121.00	134.50	146.50	159.00
45		47.80	61.30	76.00	93.00	112.00	120.00	133.50	145.50	159.00
50			59.60	74.50	91.00	110.00	118.50	132.00	144.00	157.00
55				72.50	89.00	108.00	116.50	130.00	142.00	155.00
60					87.00	105.50	114.00	127.50	139.50	152.00
65					84.00	103.00	111.00	124.50	136.50	149.50
67						101.50	110.00	123.00	135.50	148.50

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

Displacement @ 50 Hz, cu.m/h	18.8
Length/Width, mm	242/242
Height, mm	446
Net Weight, kg	39
Gross Weight, kg	45
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1 1/4
Stub Suction, inch	7/8
Stub Discharge, inch	3/4
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	4.2

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

Maximum Operating Current, A	15
Locked Rotor Current, A	101
Winding Resistance, ohm	1.8
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70W 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	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