


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
27	7.36	9.42	11.85	14.65	18.00	21.80	23.50	26.30	28.80	31.40
30	7.07	9.11	11.50	14.25	17.50	21.20	22.90	25.60	28.00	30.60
35	6.56	8.56	10.85	13.55	16.65	20.20	21.80	24.40	26.70	29.20
40	6.01	7.98	10.20	12.80	15.75	19.20	20.70	23.10	25.30	27.70
45		7.34	9.51	12.00	14.80	18.10	19.55	21.90	24.00	26.20
50			8.76	11.15	13.85	16.95	18.35	20.50	22.50	24.60
55				10.20	12.80	15.75	17.05	19.15	21.00	23.00
60					11.70	14.50	15.70	17.70	19.45	21.30
65					10.55	13.15	14.30	16.15	17.80	19.55
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
27	3.25	3.28	3.32	3.36	3.41	3.48	3.51	3.55	3.59	3.64
30	3.47	3.50	3.54	3.59	3.65	3.72	3.75	3.81	3.85	3.91
35	3.85	3.88	3.92	3.97	4.04	4.12	4.16	4.22	4.28	4.34
40	4.30	4.32	4.35	4.40	4.46	4.55	4.59	4.65	4.71	4.78
45		4.83	4.84	4.88	4.94	5.02	5.05	5.12	5.18	5.25
50			5.43	5.44	5.48	5.55	5.58	5.64	5.70	5.76
55				6.11	6.12	6.17	6.19	6.24	6.29	6.35
60					6.88	6.90	6.91	6.95	6.99	7.03
65					7.79	7.76	7.77	7.78	7.80	7.83
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12.5	15
27	7.99	8.04	8.09	8.13	8.16	8.20	8.22	8.24	8.27	8.29
30	8.20	8.26	8.32	8.37	8.42	8.48	8.51	8.55	8.59	8.63
35	8.60	8.66	8.73	8.80	8.87	8.96	8.99	9.06	9.11	9.17
40	9.10	9.15	9.21	9.28	9.37	9.47	9.51	9.58	9.65	9.72
45		9.76	9.81	9.87	9.95	10.05	10.09	10.17	10.25	10.33
50			10.55	10.59	10.65	10.74	10.78	10.86	10.93	11.01
55				11.47	11.51	11.58	11.61	11.68	11.75	11.82
60					12.57	12.60	12.62	12.67	12.72	12.79
65					13.86	13.84	13.85	13.87	13.91	13.95
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12.5	15
27	41.90	52.80	65.30	79.50	96.00	115.00	123.50	137.00	149.00	162.00
30	41.40	52.40	65.00	79.50	96.00	115.00	123.50	136.50	148.50	161.00
35	40.30	51.60	64.40	79.00	95.50	114.50	122.50	136.00	148.00	160.00
40	38.80	50.60	63.60	78.00	95.00	113.50	122.00	135.00	147.00	160.00
45		49.20	62.50	77.50	94.00	113.00	121.00	134.50	146.00	158.00
50			61.00	76.00	93.00	112.00	120.00	133.00	145.00	157.00
55				74.40	91.50	110.50	118.50	131.50	143.50	156.00
60					89.50	108.50	117.00	130.00	141.50	154.00
65					87.00	106.50	114.50	128.00	139.50	152.00

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

Displacement @ 50 Hz, cu.m/h	18.8
Length/Width, mm	241/246
Height, mm	481
Net Weight, kg	41
Gross Weight, kg	44
Stub Suction, inch	7/8
Stub Discharge, inch	3/4
Oil Quantity, l	1.9
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	67
Sound Power, dBA	78
High Side PS, bar(g)	29.5
Low Side PS, bar(g)	20

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

Maximum Operating Current, A	15
Locked Rotor Current, A	100
Winding Resistance, ohm	1.8
Default Enclosure Class	IP 21 (IEC 34)

MOTOR OPTIONS

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