



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
27	2,92	3,66	4,52	5,50	6,63	7,91	8,46	9,34	10,10
30	2,83	3,55	4,39	5,35	6,45	7,70	8,24	9,10	9,86
35	2,67	3,36	4,17	5,10	6,16	7,36	7,88	8,71	9,44
40	2,51	3,18	3,95	4,84	5,86	7,02	7,52	8,32	9,02
45		2,98	3,72	4,58	5,56	6,67	7,15	7,92	8,60
50			3,48	4,30	5,24	6,31	6,77	7,51	8,16
55			3,22	4,01	4,91	5,93	6,37	7,08	7,71
60				3,69	4,55	5,53	5,96	6,64	7,25
65					4,17	5,11	5,52	6,17	6,75
	Power Input kW								
	-20	-15	-10	-5	0	5	7	10	12,5
27	1,19	1,18	1,17	1,16	1,14	1,12	1,11	1,10	1,09
30	1,27	1,27	1,26	1,25	1,23	1,21	1,20	1,19	1,18
35	1,43	1,43	1,42	1,41	1,39	1,37	1,36	1,35	1,34
40	1,61	1,61	1,60	1,58	1,56	1,54	1,54	1,53	1,52
45		1,81	1,80	1,78	1,76	1,74	1,73	1,72	1,71
50			2,02	2,00	1,98	1,96	1,95	1,93	1,92
55			2,27	2,25	2,22	2,20	2,19	2,17	2,16
60				2,52	2,49	2,46	2,45	2,44	2,42
65					2,79	2,76	2,75	2,73	2,71
	Current 400V, A								
	-20	-15	-10	-5	0	5	7	10	12,5
27	2,72	2,72	2,71	2,69	2,66	2,64	2,64	2,63	2,63
30	2,80	2,80	2,79	2,77	2,75	2,73	2,73	2,72	2,72
35	2,96	2,97	2,96	2,94	2,92	2,90	2,90	2,89	2,89
40	3,16	3,17	3,16	3,14	3,12	3,10	3,09	3,09	3,09
45		3,41	3,40	3,38	3,35	3,33	3,33	3,32	3,32
50			3,68	3,65	3,63	3,60	3,59	3,58	3,58
55			4,01	3,98	3,94	3,91	3,90	3,89	3,88
60				4,35	4,31	4,27	4,25	4,23	4,22
65					4,72	4,67	4,65	4,63	4,61
	Mass Flow g/s								
	-20	-15	-10	-5	0	5	7	10	12,5
27	17,00	21,10	25,70	30,90	36,80	43,40	46,30	50,80	54,70
30	16,90	20,90	25,50	30,70	36,60	43,20	46,00	50,50	54,40
35	16,60	20,60	25,20	30,40	36,30	42,80	45,70	50,10	54,10
40	16,20	20,20	24,80	30,00	35,90	42,50	45,30	49,80	53,70
45		19,80	24,40	29,60	35,50	42,10	44,90	49,30	53,30
50			23,90	29,10	35,00	41,60	44,40	48,90	52,80
55			23,30	28,50	34,40	41,00	43,80	48,30	52,30
60				27,70	33,60	40,20	43,10	47,60	51,60
65					32,60	39,30	42,20	46,80	50,90

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

Displacement @ 50 Hz, cu.m/h	6.83
Length/Width, mm	242/242
Height, mm	363
Net Weight, kg	25
Gross Weight, kg	29
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	54
Sound Power (HT), dBA	65
PED Category	1
Internal Free Volume, l	2.9
High Side PS, bar(g)	29.5
Low Side PS, bar(g)	20
Low Side TS Max., °C	50

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

Maximum Operating Current, A	5.1
Locked Rotor Current, A	32
Winding Resistance, ohm	5.94
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
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**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
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