



Minimum evaporating temp. with:

——— 25°C Suction Gas Return

- - - 10K Suction Superheat

Suction Return Temperature 18,3°C

**Evaporating Temperature °C**

Liquid subcooling 0,0K

Cond °C	Capacity kW											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	3,00	3,79	4,76	5,93	7,32	8,94	10,80					
20	2,69	3,43	4,31	5,37	6,63	8,09	9,79	11,75	13,95			
30		3,01	3,80	4,74	5,86	7,16	8,67	10,40	12,40	14,65	15,60	17,15
35			3,52	4,40	5,45	6,67	8,08	9,71	11,55	13,70	14,60	16,05
40			3,23	4,05	5,02	6,15	7,46	8,98	10,70	12,70	13,55	14,95
45				3,68	4,57	5,61	6,83	8,23	9,85	11,70	12,50	13,80
50					4,10	5,05	6,17	7,46	8,95	10,65	11,40	12,60
55					3,62	4,48	5,49	6,67	8,03	9,60	10,30	11,40
60						3,88	4,79	5,85	7,08	8,51	9,13	10,15
	Power Input kW											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	1,48	1,50	1,51	1,51	1,50	1,50	1,50					
20	1,87	1,88	1,89	1,89	1,89	1,88	1,87	1,86	1,86			
30		2,38	2,39	2,39	2,38	2,37	2,36	2,34	2,33	2,32	2,31	2,31
35			2,68	2,68	2,68	2,66	2,65	2,63	2,61	2,59	2,59	2,58
40			3,02	3,02	3,01	3,00	2,98	2,95	2,93	2,91	2,90	2,89
45				3,39	3,39	3,37	3,35	3,32	3,30	3,27	3,26	3,25
50					3,81	3,79	3,77	3,74	3,71	3,68	3,67	3,65
55					4,28	4,26	4,24	4,21	4,17	4,14	4,12	4,10
60						4,79	4,76	4,73	4,69	4,65	4,63	4,61
	Current 400V, A											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	5,08	5,08	5,08	5,08	5,07	5,07	5,07					
20	5,43	5,46	5,48	5,49	5,49	5,49	5,49	5,49	5,49			
30		6,01	6,04	6,06	6,08	6,08	6,08	6,08	6,07	6,06	6,05	6,05
35			6,42	6,44	6,46	6,47	6,47	6,46	6,44	6,42	6,42	6,40
40			6,86	6,90	6,92	6,93	6,92	6,91	6,89	6,86	6,85	6,83
45				7,44	7,46	7,47	7,46	7,45	7,42	7,38	7,37	7,34
50					8,10	8,11	8,10	8,08	8,04	8,00	7,98	7,94
55					8,85	8,85	8,84	8,81	8,77	8,72	8,69	8,65
60						9,71	9,70	9,67	9,62	9,55	9,52	9,47
	Mass Flow g/s											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	16,90	21,40	27,00	33,80	41,90	51,50	62,70					
20	16,50	21,10	26,70	33,40	41,40	50,90	62,00	75,00	90,00			
30		20,40	25,90	32,60	40,50	49,80	60,80	73,80	89,00	106,50	114,50	127,00
35			25,40	32,00	39,80	49,10	60,00	72,90	88,00	105,50	113,50	126,50
40			24,70	31,20	39,00	48,10	59,00	71,90	87,00	105,00	112,50	125,50
45				30,30	38,00	47,10	57,90	70,70	86,00	103,50	111,50	125,00
50					36,80	45,80	56,50	69,30	84,50	102,50	111,00	124,00
55					35,50	44,40	55,10	67,90	83,00	101,50	110,00	123,50
60						42,80	53,50	66,40	82,00	101,00	109,50	124,00

**Copeland Scroll - Compressor - Refrigeration - Standard**
**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, cu.m/h	11.7
Length/Width, mm	242/242
Height, mm	438
Net Weight, kg	35.4
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.9
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	59
Sound Power, dBA	70
Sound Power with Sound Shell, dBA	60
PED Category	1
High Side PS, bar(g)	28.8
Low Side PS, bar(g)	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Internal Free Volume, l	4.3

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

Maximum Operating Current, A	10.3
Locked Rotor Current, A	49.3
Winding Resistance, ohm	3.6
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	70W External
Sound Attenuation	Sound Shell (10dBA)
Rotalock valves	suction and discharge

**MOTOR OPTIONS**

<b>Power Supply</b>	<b>Nominal Voltage</b>	<b>Motor Code</b>	<b>Connection Type</b>	<b>Approximate Factor for Amps</b>
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
380 V/3~/60Hz	380	TF7	Y	1,26
460 V/3~/60Hz	460	TFD	Y	1,04