



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	5,70	7,28	9,17	11,35	13,75	16,35	17,45	19,15	20,60	
30	5,54	7,09	8,94	11,05	13,45	16,05	17,10	18,80	20,20	
35	5,22	6,70	8,49	10,55	12,85	15,40	16,45	18,15	19,55	
40	4,86	6,26	7,97	9,96	12,20	14,70	15,75	17,35	18,75	
45		5,80	7,42	9,33	11,50	13,90	14,90	16,50	17,85	
50			6,88	8,70	10,80	13,10	14,05	15,60	16,95	
55			6,39	8,10	10,05	12,30	13,25	14,70	16,00	
60				7,56	9,41	11,50	12,40	13,85	15,10	
65					8,84	10,80	11,70	13,05	14,20	
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12,5	
27	2,26	2,31	2,34	2,37	2,42	2,50	2,54	2,63	2,73	
30	2,42	2,47	2,51	2,54	2,59	2,68	2,73	2,82	2,91	
35	2,70	2,76	2,80	2,83	2,89	2,98	3,03	3,12	3,22	
40	3,02	3,08	3,12	3,15	3,20	3,29	3,34	3,43	3,53	
45		3,45	3,47	3,50	3,55	3,63	3,67	3,76	3,86	
50			3,89	3,90	3,94	4,01	4,05	4,13	4,22	
55			4,37	4,37	4,39	4,44	4,48	4,55	4,63	
60				4,92	4,91	4,95	4,98	5,04	5,11	
65					5,53	5,54	5,56	5,61	5,67	
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12,5	
27	5,97	6,02	6,04	6,07	6,11	6,19	6,24	6,33	6,43	
30	6,10	6,15	6,18	6,21	6,27	6,36	6,41	6,52	6,62	
35	6,37	6,41	6,44	6,48	6,54	6,65	6,71	6,82	6,94	
40	6,71	6,74	6,76	6,79	6,85	6,96	7,03	7,15	7,27	
45		7,15	7,15	7,17	7,22	7,32	7,39	7,51	7,63	
50			7,63	7,63	7,66	7,75	7,81	7,92	8,04	
55			8,23	8,19	8,20	8,26	8,31	8,41	8,52	
60				8,88	8,84	8,88	8,91	9,00	9,09	
65					9,62	9,61	9,63	9,69	9,77	
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12,5	
27	33,30	41,90	52,20	63,70	76,50	90,00	95,50	104,00	111,50	
30	33,10	41,70	52,00	63,50	76,50	90,00	95,50	104,50	112,00	
35	32,40	41,00	51,30	62,90	76,00	89,50	95,50	104,50	112,00	
40	31,40	39,90	50,10	61,80	74,80	89,00	94,50	104,00	111,50	
45		38,60	48,70	60,40	73,50	87,50	93,50	103,00	110,50	
50			47,30	58,90	72,00	86,50	92,50	101,50	109,50	
55			46,10	57,60	70,60	85,00	91,00	100,50	108,50	
60				56,70	69,50	84,00	90,00	99,50	107,50	
65					69,10	83,50	89,50	99,00	107,00	

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

Displacement @ 50 Hz, cu.m/h	14.4
Length/Width, mm	241/247
Height, mm	438
Net Weight, kg	38.6
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.66
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	60
Sound Power (HT), dBA	71
PED Category	1
Internal Free Volume, l	4.4
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	11
Locked Rotor Current, A	65.5
Winding Resistance, ohm	2.75
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
------------------	---------------

**MOTOR OPTIONS**

<b>Power Supply</b>	<b>Nominal Voltage</b>	<b>Motor Code</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</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
460 V/3~/60Hz	460	TFD		Y	1,04