



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
25	31,8	39,5	48,4	58,6	70,3	83,7	89,5	98,8		
30	30,1	37,6	46,3	56,4	67,8	80,9	86,7	95,8	104,0	112,5
35	28,2	35,6	44,1	53,9	65,1	77,9	83,5	92,4	100,5	109,0
40	26,3	33,4	41,6	51,1	62,0	74,5	80,0	88,7	96,4	104,5
45		31,1	39,0	48,2	58,8	70,9	76,2	84,6	92,2	100,0
50			36,3	45,1	55,3	67,0	72,1	80,3	87,6	95,4
55				41,8	51,6	62,8	67,7	75,6	82,7	90,2
60					47,7	58,4	63,1	70,7	77,5	84,8
65					43,6	53,8	58,3	65,6	72,1	79,0
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12,5	15
25	11,2	11,2	11,3	11,5	11,9	12,5	12,8	13,3		
30	12,7	12,6	12,6	12,7	13,0	13,5	13,8	14,3	14,7	15,2
35	14,3	14,2	14,1	14,2	14,4	14,8	15,1	15,5	15,8	16,3
40	16,1	15,9	15,9	15,9	16,0	16,4	16,5	16,9	17,2	17,6
45		17,9	17,8	17,8	17,9	18,1	18,3	18,5	18,8	19,2
50			19,9	19,9	19,9	20,1	20,2	20,4	20,7	21,0
55				22,2	22,2	22,3	22,4	22,6	22,8	23,1
60					24,8	24,9	24,9	25,1	25,3	25,5
65					27,6	27,7	27,7	27,8	28,0	28,2
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12,5	15
25	25,10	25,09	25,18	25,40	25,78	26,34	26,63	27,12		
30	26,39	26,42	26,52	26,72	27,05	27,53	27,77	28,20	28,61	29,07
35	27,90	27,97	28,08	28,26	28,54	28,95	29,15	29,51	29,85	30,25
40	29,69	29,80	29,93	30,10	30,33	30,66	30,83	31,12	31,40	31,72
45		31,99	32,13	32,29	32,48	32,74	32,86	33,09	33,31	33,56
50			34,75	34,90	35,05	35,24	35,33	35,49	35,65	35,83
55				37,99	38,11	38,23	38,28	38,38	38,48	38,60
60					41,72	41,77	41,80	41,84	41,88	41,93
65					45,94	45,94	45,93	45,91	45,90	45,88
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12,5	15
25	183,0	224,0	271,0	325,0	385,0	454,0	483,0	530,0		
30	180,0	221,0	269,0	324,0	385,0	454,0	484,0	532,0	574,0	618,0
35	175,0	218,0	266,0	321,0	383,0	453,0	484,0	532,0	575,0	620,0
40	170,0	213,0	262,0	317,0	380,0	451,0	482,0	531,0	574,0	619,0
45		207,0	256,0	312,0	375,0	447,0	478,0	527,0	571,0	617,0
50			249,0	305,0	369,0	441,0	473,0	523,0	567,0	613,0
55				297,0	361,0	434,0	466,0	516,0	561,0	608,0
60					352,0	425,0	457,0	508,0	553,0	600,0
65					341,0	414,0	446,0	497,0	543,0	591,0

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

Displacement @ 50 Hz, cu.m/h	71.4
Number of cylinders	1
Length/Width, mm	448/392
Height, mm	715
Net Weight, kg	160
Gross Weight, kg	188
Rotalock Suction, inch	2 1/4 x 12 UN
Rotalock Discharge, inch	1 3/4 x 12 UN
Stub Suction, inch	1 5/8 ID
Stub Discharge, inch	1 3/8 ID
Max. High Pressure, bar(g)	32
Max. Standstill Pressure, bar(g)	18.8
Oil Quantity, l	6.8
Base mounting (hole dia), mm	266.7 x 266.7 (22.6)
Sound Pressure @ 1m, dBA	74
Sound Power, dBA	85

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

Maximum Operating Current, A	50.00
Locked Rotor Current, A	272.0
Winding Resistance, ohm	0.51
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermistor
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**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	TWD	Y	1,00