



Minimum evaporating temp. with:  
 ——— 10K Suction Superheat

Suction Superheat 10,0K

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	Capacity kW												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
25	6,59	8,48	10,75	13,50	16,75	20,60	25,00	30,20	32,50	36,20			
30	6,06	7,93	10,15	12,80	15,95	19,60	23,90	29,00	31,20	34,80	38,00	41,40	
35		7,34	9,50	12,05	15,05	18,60	22,80	27,60	29,70	33,20	36,30	39,50	
40			8,82	11,25	14,15	17,55	21,50	26,20	28,20	31,50	34,40	37,60	44,60
45				10,45	13,20	16,45	20,20	24,60	26,60	29,70	32,50	35,60	42,20
50					12,20	15,25	18,85	23,00	24,90	27,90	30,60	33,40	39,80
55						14,05	17,40	21,40	23,10	25,90	28,50	31,20	37,30
60							15,95	19,65	21,30	23,90	26,30	28,90	34,60
65								17,85	19,35	21,80	24,10	26,50	31,90
	Power Input kW												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
25	3,65	3,74	3,80	3,84	3,89	3,96	4,06	4,23	4,31	4,46			
30	4,07	4,19	4,26	4,30	4,34	4,38	4,45	4,56	4,62	4,74	4,85	4,99	
35		4,67	4,77	4,82	4,85	4,88	4,92	5,00	5,04	5,11	5,20	5,30	
40			5,32	5,39	5,43	5,46	5,48	5,52	5,55	5,60	5,65	5,72	5,92
45				6,02	6,08	6,11	6,12	6,14	6,16	6,19	6,22	6,27	6,40
50					6,79	6,84	6,85	6,86	6,87	6,88	6,90	6,93	7,01
55						7,64	7,67	7,68	7,68	7,68	7,69	7,70	7,75
60							8,58	8,59	8,60	8,59	8,59	8,60	8,62
65								9,61	9,61	9,61	9,61	9,61	9,61
	Current 400V, A												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
25	9,42	9,46	9,46	9,45	9,47	9,52	9,64	9,86	9,97	10,19			
30	9,83	9,95	10,01	10,03	10,03	10,05	10,11	10,23	10,30	10,44	10,59	10,76	
35		10,40	10,53	10,60	10,63	10,64	10,66	10,71	10,75	10,82	10,91	11,02	
40			11,05	11,19	11,26	11,29	11,30	11,31	11,32	11,35	11,39	11,45	11,62
45				11,81	11,95	12,02	12,04	12,04	12,03	12,03	12,04	12,05	12,13
50					12,71	12,85	12,91	12,91	12,90	12,89	12,87	12,86	12,86
55						13,78	13,91	13,95	13,95	13,93	13,91	13,88	13,82
60							15,05	15,15	15,17	15,17	15,15	15,12	15,04
65								16,55	16,59	16,62	16,62	16,60	16,52
	Mass Flow g/s												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
25	38,10	48,30	60,20	74,20	90,50	110,00	132,00	157,00	168,00	186,00			
30	36,70	47,20	59,30	73,60	90,00	109,50	131,50	157,00	168,00	186,00	201,00	218,00	
35		45,90	58,20	72,60	89,50	108,50	130,50	156,00	167,00	185,00	201,00	218,00	
40			56,90	71,40	88,00	107,50	129,50	155,00	166,00	184,00	200,00	217,00	253,00
45				69,90	86,50	106,00	128,00	154,00	165,00	183,00	198,00	215,00	252,00
50					85,00	104,50	126,50	152,00	163,00	181,00	197,00	213,00	250,00
55						102,00	124,50	149,50	161,00	179,00	194,00	211,00	248,00
60							122,00	147,00	158,00	176,00	192,00	209,00	246,00
65								144,50	155,00	173,00	189,00	206,00	243,00

**Copeland Scroll - Compressor - Air Conditioning - Standard**

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, cu.m/h	24.9
Length/Width, mm	264/285
Height, mm	533
Net Weight, kg	59.9
Stub Suction, inch	13/8
Stub Discharge, inch	7/8
Oil Quantity, l	3.38
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	63
Sound Power (HT), dBA	74
PED Category	2
Internal Free Volume, l	13.3
High Side PS, bar(g)	32
Low Side PS, bar(g)	20
Low Side TS Max., °C	52
Low Side TS Min., °C	-35

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

Maximum Operating Current, A	16.8
Locked Rotor Current, A	111
Winding Resistance, ohm	1.47
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll
Enclosure Class	IP21
Oil Service Valve	Schraeder Valve
Check Valve (NRV)	Discharge Low Leak Check Valve

**ACCESSORIES OPTIONAL**

Crankcase Heater	90 W External
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
Mounting Grommets	Rubber Grommet For Single
Adapter Kit	R1"1/4 -B 1"1/8 For TPTL for Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (12 dBA)

**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
575 V/3~/60Hz	575	TFE		Y	0,80
380 V/3~/60Hz	380	TF7		Y	1,26
460 V/3~/60Hz	460	TFD		Y	1,04