



Minimum evaporating temp. with:

- 25°C Suction Gas Return
- - - 10K Suction Superheat
- · - · 5K 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
10	7,50	9,61	12,00	14,70	17,85	21,40							
20	5,99	8,11	10,45	13,10	16,10	19,55	23,40	27,90					
30	4,61	6,75	9,08	11,65	14,55	17,85	21,50	25,70	27,50	30,50	33,00	35,80	
40			7,62	10,15	12,95	16,10	19,60	23,50	25,30	28,00	30,40	33,00	38,70
45				9,30	12,05	15,10	18,55	22,40	24,00	26,70	29,10	31,60	37,00
50					11,05	14,05	17,35	21,10	22,70	25,30	27,60	30,00	35,30
55						12,85	16,10	19,70	21,30	23,80	26,00	28,30	33,40
60							14,65	18,20	19,70	22,10	24,20	26,50	31,40
65								16,45	17,95	20,30	22,30	24,50	29,20
	Power Input kW												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
10	2,28	2,33	2,35	2,36	2,38	2,41							
20	2,96	3,02	3,06	3,08	3,10	3,13	3,20	3,30					
30	3,73	3,81	3,86	3,88	3,90	3,92	3,97	4,05	4,10	4,18	4,28	4,38	
40			4,85	4,87	4,88	4,88	4,91	4,96	4,99	5,05	5,12	5,21	5,44
45				5,46	5,46	5,46	5,47	5,50	5,52	5,57	5,63	5,70	5,90
50					6,13	6,11	6,10	6,12	6,13	6,17	6,21	6,27	6,44
55						6,86	6,83	6,82	6,83	6,85	6,88	6,93	7,07
60							7,66	7,63	7,63	7,63	7,65	7,68	7,79
65								8,55	8,54	8,53	8,53	8,54	8,62
	Current 400V, A												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
10	6,73	6,78	6,80	6,81	6,82	6,84							
20	7,35	7,44	7,49	7,52	7,55	7,58	7,65	7,76					
30	8,24	8,34	8,40	8,44	8,47	8,51	8,57	8,67	8,72	8,82	8,92	9,05	
40			9,71	9,74	9,76	9,77	9,81	9,88	9,93	10,01	10,09	10,20	10,47
45				10,58	10,58	10,59	10,60	10,66	10,69	10,76	10,83	10,92	11,17
50					11,56	11,54	11,54	11,57	11,59	11,64	11,70	11,78	11,99
55						12,67	12,64	12,63	12,64	12,68	12,72	12,78	12,96
60							13,92	13,88	13,88	13,88	13,91	13,95	14,09
65								15,32	15,30	15,29	15,29	15,31	15,41
	Mass Flow g/s												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
10	40,00	50,60	62,40	75,50	90,50	108,00							
20	34,10	45,60	58,10	71,90	87,50	104,50	124,00	146,00					
30	28,30	40,80	54,20	68,70	84,50	102,50	122,00	144,50	154,00	169,00	183,00	197,00	
40			49,30	64,70	81,50	99,50	120,00	142,50	152,00	168,00	181,00	195,00	226,00
45				61,90	79,00	98,00	118,50	141,00	151,00	166,00	180,00	194,00	226,00
50					76,00	95,00	116,00	139,00	149,00	165,00	178,00	193,00	224,00
55						91,50	113,00	136,50	146,50	162,00	176,00	191,00	223,00
60							108,50	132,50	142,50	159,00	173,00	188,00	220,00
65								127,00	137,00	154,00	168,00	183,00	216,00

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

Displacement @ 50 Hz, cu.m/h	22.1
Length/Width, mm	264/285
Height, mm	476
Net Weight, kg	57.2
Stub Suction, inch	1 1/8
Stub Discharge, inch	7/8
Oil Quantity, l	2.65
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	62
Sound Power (HT), dBA	73
High Side PS, bar(g)	32
Low Side PS, bar(g)	20
Low Side TS Max., °C	52

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

Maximum Operating Current, A	15.9
Locked Rotor Current, A	95
Winding Resistance, ohm	1.8
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