


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	8,35	10,50	13,05	16,05	19,60	23,60							
20	7,48	9,53	11,95	14,80	18,10	21,90	26,30	31,20					
30	6,63	8,59	10,90	13,55	16,65	20,20	24,30	28,90	30,90	34,10	36,90	39,90	
40			9,72	12,25	15,15	18,45	22,20	26,50	28,40	31,30	34,00	36,80	42,80
45				11,50	14,30	17,50	21,10	25,20	27,00	29,90	32,40	35,10	40,90
50					13,40	16,45	19,95	23,90	25,60	28,40	30,80	33,40	39,00
55						15,35	18,70	22,50	24,20	26,80	29,10	31,60	36,90
60							17,35	21,00	22,60	25,10	27,30	29,70	34,80
65								19,35	20,90	23,30	25,40	27,70	32,60
	Power Input kW												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
10	2,22	2,27	2,30	2,31	2,32	2,35							
20	3,08	3,18	3,25	3,30	3,35	3,40	3,48	3,59					
30	3,92	4,07	4,16	4,24	4,30	4,36	4,43	4,54	4,60	4,70	4,80	4,91	
40			5,22	5,30	5,36	5,41	5,47	5,56	5,60	5,68	5,76	5,86	6,10
45				5,94	5,99	6,03	6,08	6,14	6,18	6,25	6,32	6,40	6,62
50					6,72	6,74	6,77	6,82	6,84	6,90	6,95	7,02	7,21
55						7,58	7,58	7,60	7,62	7,65	7,69	7,74	7,89
60							8,53	8,52	8,52	8,53	8,55	8,58	8,69
65								9,59	9,58	9,56	9,57	9,58	9,64
	Current 400V, A												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
10	6,65	6,66	6,69	6,73	6,79	6,88							
20	7,87	7,91	7,95	8,00	8,08	8,18	8,32	8,49					
30	9,08	9,11	9,14	9,19	9,26	9,36	9,48	9,64	9,71	9,84	9,96	10,09	
40			10,60	10,62	10,66	10,72	10,81	10,94	11,00	11,10	11,20	11,31	11,57
45				11,52	11,54	11,57	11,64	11,74	11,79	11,88	11,96	12,06	12,30
50					12,59	12,59	12,63	12,70	12,74	12,81	12,88	12,96	13,16
55						13,82	13,82	13,85	13,88	13,92	13,98	14,04	14,20
60							15,25	15,24	15,25	15,27	15,30	15,34	15,46
65								16,91	16,90	16,89	16,90	16,91	16,98
	Mass Flow g/s												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
10	44,50	55,20	67,80	82,50	99,50	119,00							
20	42,60	53,60	66,40	81,00	98,00	117,50	139,00	164,00					
30	40,70	51,90	65,00	80,00	97,00	116,00	138,00	162,00	173,00	189,00	204,00	219,00	
40			62,80	78,00	95,00	114,50	136,00	160,00	171,00	188,00	202,00	218,00	251,00
45				76,50	94,00	113,00	135,00	159,00	170,00	186,00	201,00	216,00	249,00
50					92,00	111,50	133,50	158,00	168,00	185,00	199,00	215,00	248,00
55						109,00	131,00	156,00	166,00	183,00	197,00	213,00	246,00
60							128,00	153,00	163,00	180,00	195,00	210,00	244,00
65								149,00	160,00	177,00	191,00	207,00	241,00

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

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
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