



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	10,90	13,55	16,80	20,60	25,00	30,00							
20	9,19	11,55	14,45	17,95	22,00	26,60	31,70	37,40					
30	8,21	10,25	12,85	16,00	19,70	24,00	28,80	34,10	36,40	40,00	43,10	46,30	
40			11,55	14,40	17,80	21,70	26,20	31,10	33,30	36,60	39,60	42,70	49,20
45				13,60	16,85	20,60	24,90	29,70	31,70	35,00	37,80	40,80	47,20
50					15,80	19,40	23,50	28,10	30,10	33,30	36,00	38,90	45,10
55						18,10	22,00	26,50	28,40	31,40	34,10	36,90	42,90
60							20,40	24,70	26,50	29,50	32,00	34,70	40,50
65								22,70	24,40	27,20	29,70	32,30	37,90
	Power Input kW												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
10	2,62	2,71	2,78	2,83	2,87	2,94							
20	3,53	3,68	3,78	3,85	3,92	3,99	4,08	4,22					
30	4,51	4,70	4,83	4,93	5,01	5,08	5,17	5,28	5,34	5,44	5,53	5,65	
40			6,11	6,22	6,31	6,37	6,44	6,53	6,57	6,65	6,73	6,82	7,05
45				6,99	7,08	7,14	7,20	7,27	7,31	7,37	7,44	7,52	7,72
50					7,96	8,02	8,07	8,12	8,15	8,20	8,25	8,31	8,48
55						9,02	9,05	9,09	9,11	9,15	9,19	9,23	9,37
60							10,20	10,20	10,20	10,25	10,25	10,30	10,40
65								11,50	11,50	11,50	11,50	11,50	11,60
	Current 400V, A												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
10	8,59	8,70	8,77	8,82	8,87	8,92							
20	9,35	9,51	9,62	9,71	9,79	9,87	9,96	10,08					
30	10,33	10,53	10,68	10,79	10,89	10,98	11,08	11,20	11,26	11,36	11,46	11,57	
40			12,14	12,27	12,37	12,45	12,54	12,65	12,70	12,79	12,87	12,97	13,22
45				13,21	13,31	13,39	13,47	13,56	13,61	13,68	13,76	13,85	14,07
50					14,42	14,49	14,56	14,63	14,67	14,74	14,80	14,88	15,07
55						15,79	15,83	15,89	15,92	15,97	16,02	16,08	16,25
60							17,32	17,36	17,38	17,41	17,45	17,49	17,62
65								19,06	19,06	19,08	19,10	19,13	19,22
	Mass Flow g/s												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
10	58,10	71,40	87,50	106,00	127,00	151,00							
20	52,30	64,80	80,00	98,50	119,00	142,50	168,00	196,00					
30	50,40	61,90	76,50	94,00	114,50	137,50	163,00	191,00	203,00	222,00	238,00	255,00	
40			74,80	92,00	112,00	134,50	160,00	188,00	200,00	219,00	236,00	252,00	288,00
45				90,50	110,50	133,00	159,00	187,00	199,00	218,00	234,00	252,00	288,00
50					108,50	131,50	157,00	185,00	198,00	217,00	233,00	250,00	287,00
55						128,50	154,00	183,00	195,00	214,00	231,00	249,00	285,00
60							151,00	180,00	192,00	211,00	228,00	246,00	283,00
65								174,00	187,00	207,00	224,00	242,00	280,00

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

Displacement @ 50 Hz, cu.m/h	29.1
Length/Width, mm	281/285
Height, mm	533
Net Weight, kg	61.2
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	64
Sound Power (HT), dBA	75
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	19.6
Locked Rotor Current, A	118
Winding Resistance, ohm	1.23
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