

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

Suction Superheat 10,0K **Evaporating Temperature °C** Liquid subcooling 0,0K

Cond °C	Capacity kW								
	-15	-10	-5	0	5	7	10	12,5	15
21	13,90	16,55	19,65	23,10	27,10	28,80			
30	12,35	15,25	18,40	21,90	25,80	27,50	30,20	32,50	
40	10,45	13,35	16,50	19,95	23,70	25,30	27,80	30,10	32,40
50		11,20	14,25	17,50	21,00	22,50	24,80	26,80	29,00
55		10,00	12,95	16,10	19,40	20,80	23,00	25,00	27,00
60			11,60	14,60	17,75	19,05	21,10	22,90	24,80
65			10,20	13,00	15,95	17,15	19,05	20,70	22,40
70				11,35	14,00	15,15	16,90	18,40	19,95
74				9,92	12,40	13,40	15,00	16,35	17,80
	Power Input kW								
	-15	-10	-5	0	5	7	10	12,5	15
21	3,11	3,16	3,27	3,50	3,93	4,16			
30	3,75	3,81	3,86	3,96	4,17	4,31	4,57	4,86	
40	4,73	4,89	4,94	4,97	5,03	5,08	5,20	5,34	5,53
50		6,12	6,28	6,32	6,31	6,31	6,32	6,36	6,43
55		6,74	6,97	7,05	7,04	7,02	7,01	7,01	7,03
60			7,65	7,79	7,79	7,78	7,74	7,71	7,69
65			8,29	8,50	8,55	8,54	8,49	8,45	8,40
70				9,17	9,28	9,28	9,24	9,19	9,13
74				9,67	9,84	9,85	9,83	9,78	9,72
	Current 400V, A								
	-15	-10	-5	0	5	7	10	12,5	15
21	8,41	8,37	8,46	8,67	9,00	9,17			
30	9,10	9,01	9,02	9,14	9,36	9,48	9,69	9,89	
40	10,26	10,15	10,11	10,16	10,28	10,35	10,49	10,62	10,78
50		11,74	11,69	11,70	11,76	11,80	11,88	11,96	12,06
55		12,71	12,67	12,67	12,71	12,74	12,80	12,86	12,94
60			13,77	13,77	13,81	13,83	13,88	13,92	13,98
65			15,01	15,02	15,05	15,07	15,11	15,14	15,18
70				16,40	16,44	16,46	16,49	16,52	16,55
74				17,64	17,69	17,71	17,74	17,77	17,79
	Mass Flow g/s								
	-15	-10	-5	0	5	7	10	12,5	15
21	82,50	96,50	112,00	129,50	149,00	158,00			
30	79,50	96,00	113,50	132,50	153,00	162,00	176,00	188,00	
40	74,10	93,00	112,00	132,50	154,00	163,00	178,00	190,00	203,00
50		87,00	108,00	129,50	152,00	161,00	175,00	188,00	201,00
55		83,00	104,50	126,50	149,00	158,00	173,00	185,00	198,00
60			100,00	122,50	145,00	154,00	168,00	180,00	193,00
65			95,00	117,00	139,50	149,00	163,00	175,00	187,00
70				111,00	133,00	142,00	155,00	167,00	179,00
74				104,50	126,00	135,00	148,00	159,00	170,00

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

Displacement @ 50 Hz, cu.m/h	33.2
Length/Width, mm	264/285
Height, mm	533
Net Weight, kg	61.2
Stub Suction, inch	1 3/8
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	22.3
Locked Rotor Current, A	118
Winding Resistance, ohm	1.23
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

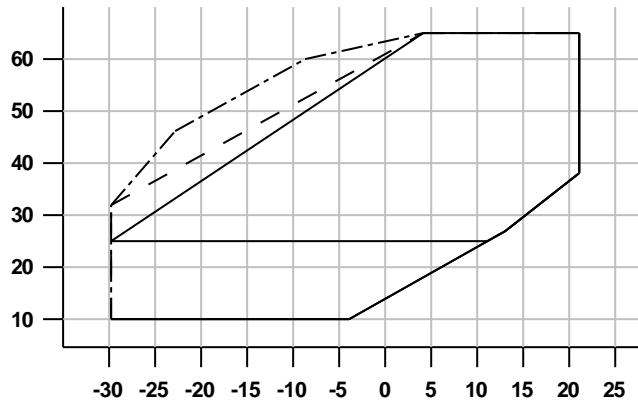
Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll
Enclosure Class	IP21
Oil Service Valve	Schraeder Valve
Check Valve (NRV)	Discharge Low Leak Check Valve

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



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	11,40	14,30	17,75	21,80	26,50	31,60							
20	10,45	13,05	16,35	20,30	24,80	29,80	35,40	41,40					
30	9,53	11,85	14,85	18,50	22,80	27,60	33,00	38,90	41,40	45,30	48,60	52,10	
40			13,20	16,45	20,40	25,00	30,10	35,80	38,20	42,00	45,20	48,60	55,70
45				15,40	19,15	23,50	28,50	34,00	36,30	40,00	43,20	46,50	53,50
50					17,80	21,90	26,70	32,00	34,30	37,90	41,00	44,30	51,10
55						20,30	24,80	29,90	32,10	35,60	38,70	41,80	48,50
60							22,80	27,70	29,80	33,20	36,10	39,10	45,60
65								25,30	27,30	30,50	33,30	36,30	42,50
	Power Input kW												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
10	3,06	3,19	3,28	3,35	3,45	3,62							
20	3,99	4,19	4,32	4,41	4,49	4,60	4,78	5,08					
30	5,01	5,31	5,49	5,61	5,68	5,76	5,89	6,09	6,20	6,40	6,62	6,88	
40			6,89	7,05	7,14	7,21	7,28	7,41	7,48	7,62	7,77	7,95	8,45
45				7,89	8,00	8,07	8,12	8,22	8,27	8,38	8,50	8,65	9,07
50					8,96	9,03	9,08	9,14	9,18	9,26	9,36	9,48	9,82
55						10,10	10,15	10,20	10,20	10,25	10,35	10,45	10,70
60							11,35	11,40	11,40	11,45	11,50	11,55	11,75
65								12,70	12,75	12,75	12,75	12,80	12,95
	Current 400V, A												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
10	8,26	8,44	8,55	8,66	8,80	9,05							
20	9,28	9,56	9,73	9,84	9,95	10,11	10,38	10,82					
30	10,47	10,89	11,15	11,31	11,42	11,53	11,70	11,99	12,15	12,45	12,76	13,13	
40			12,98	13,21	13,35	13,45	13,55	13,73	13,83	14,03	14,24	14,51	15,22
45				14,38	14,54	14,64	14,73	14,86	14,94	15,09	15,26	15,48	16,08
50					15,91	16,02	16,10	16,19	16,25	16,37	16,50	16,67	17,17
55						17,61	17,68	17,75	17,79	17,87	17,97	18,10	18,50
60							19,49	19,54	19,57	19,62	19,69	19,79	20,09
65								21,59	21,61	21,64	21,68	21,75	21,97
	Mass Flow g/s												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
10	60,80	75,00	92,50	112,00	134,50	159,00							
20	59,50	73,50	91,00	111,00	134,00	160,00	187,00	217,00					
30	58,40	71,60	88,50	109,00	132,50	159,00	187,00	218,00	231,00	251,00	269,00	286,00	
40			85,50	105,00	128,50	155,00	184,00	217,00	230,00	251,00	269,00	288,00	326,00
45				102,50	125,50	152,00	182,00	214,00	228,00	249,00	268,00	287,00	326,00
50					122,00	148,50	178,00	211,00	225,00	247,00	265,00	285,00	325,00
55						144,00	174,00	207,00	221,00	243,00	262,00	282,00	323,00
60							168,00	202,00	216,00	238,00	257,00	277,00	319,00
65								195,00	209,00	231,00	251,00	271,00	314,00

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COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	33.2
Length/Width, mm	264/285
Height, mm	533
Net Weight, kg	61.2
Stub Suction, inch	1 3/8
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	65
Sound Power (HT), dBA	76
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

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Maximum Operating Current, A	22.3
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
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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