
Minimum evaporating temp. with:

——— 25°C Suction Gas Return

- - - 10K Suction Superheat

Suction Return Temperature 20,0°C

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	Capacity kW									
	-25	-20	-15	-10	-5	0	5	7	10	
10	4,22	5,22	6,40	7,11	8,55					
20	3,88	4,79	5,86	6,35	7,64	9,10	10,75	11,50	12,65	
30	3,46	4,28	5,24	5,94	7,14	8,51	10,05	10,75	11,80	
35	3,24	4,00	4,90	5,51	6,62	7,89	9,33	9,96	10,95	
40	3,00	3,71	4,54	5,05	6,07	7,24	8,57	9,15	10,10	
45	2,74	3,40	4,16	4,57	5,50	6,57	7,79	8,32	9,17	
50		3,08	3,77	4,08	4,91	5,87	6,97	7,45	8,23	
55			3,36	3,57	4,30	5,15	6,13	6,56	7,25	
60				3,57	4,30	5,15	6,13	6,56	7,25	
	Power Input kW									
	-25	-20	-15	-10	-5	0	5	7	10	
10	1,10	1,11	1,11	1,40	1,40					
20	1,40	1,40	1,40	1,40	1,40					
30	1,77	1,77	1,77	1,76	1,76	1,75	1,74	1,74	1,74	
35	1,99	1,99	1,99	1,98	1,97	1,96	1,95	1,95	1,95	
40	2,24	2,24	2,24	2,23	2,22	2,21	2,19	2,19	2,18	
45	2,52	2,52	2,52	2,51	2,50	2,48	2,46	2,46	2,44	
50		2,83	2,83	2,82	2,81	2,79	2,77	2,76	2,74	
55			3,18	3,17	3,16	3,13	3,11	3,10	3,08	
60				3,56	3,54	3,52	3,49	3,47	3,45	
	Current 400V, A									
	-25	-20	-15	-10	-5	0	5	7	10	
10	3,40	3,39	3,39	3,68	3,68					
20	3,67	3,67	3,68	3,68	3,68					
30	4,06	4,07	4,07	4,07	4,07	4,06	4,05	4,05	4,04	
35	4,31	4,32	4,33	4,33	4,32	4,31	4,30	4,29	4,28	
40	4,62	4,63	4,64	4,63	4,63	4,61	4,59	4,58	4,57	
45	4,98	4,99	5,00	5,00	4,98	4,97	4,94	4,93	4,91	
50		5,42	5,43	5,42	5,41	5,38	5,35	5,34	5,32	
55			5,92	5,92	5,90	5,87	5,84	5,82	5,79	
60				6,49	6,47	6,44	6,39	6,37	6,34	
	Mass Flow g/s									
	-25	-20	-15	-10	-5	0	5	7	10	
10	23,80	29,50	36,40	44,50	53,90					
20	23,80	29,50	36,40	44,50	53,90	64,20	77,00	82,50	92,00	
30	23,40	29,10	35,90	43,90	53,30	64,20	77,00	82,50	92,00	
35	23,10	28,80	35,50	43,40	52,70	63,60	76,50	82,00	91,50	
40	22,70	28,40	35,00	42,80	52,00	62,90	75,50	81,00	90,50	
45	22,30	27,80	34,30	42,10	51,20	61,90	74,50	80,00	89,50	
50		27,10	33,50	41,10	50,10	60,80	73,40	79,00	88,50	
55			32,60	40,10	49,00	59,50	72,10	78,00	87,00	
60				39,00	47,70	58,30	70,90	76,50	86,50	

Copeland Scroll - Compressor - Refrigeration - MT Standard
COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	8.61
Length/Width, mm	243/244
Height, mm	391
Net Weight, kg	29
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.24
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (MT), dBA	58
Sound Power (MT), dBA	69
Sound Power with Sound Shell (MT), dBA	59
PED Category	1
Internal Free Volume, l	2.5
High Side PS, bar(g)	32
Low Side PS, bar(g)	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35

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

Maximum Operating Current, A	7.2
Locked Rotor Current, A	40
Winding Resistance, ohm	4.83
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

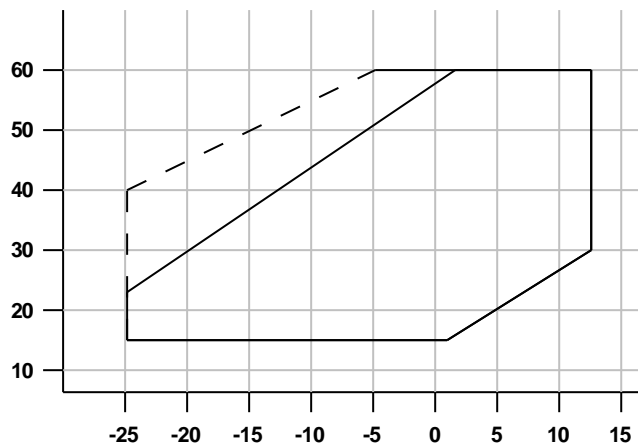
Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10 dBA)
Rotalock valves	suction and discharge

MOTOR OPTIONS

<i>Power Supply</i>	<i>Nominal Voltage</i>	<i>Motor Code</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
380-420 V/3~/50H	400	TFD		Y	1,00
460 V/3~/60Hz	460	TFD		Y	1,04



Minimum evaporating temp. with:
 ——— 25°C Suction Gas Return
 - - - 10K Suction Superheat

Suction Return Temperature 20,0°C

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	Capacity kW									
	-25	-20	-15	-10	-5	0	5	7	10	12,5
15	2,94	4,03	5,15	6,33	7,60	9,00				
20	2,76	3,84	4,94	6,11	7,37	8,76				
30			4,50	5,61	6,81	8,15	9,67	10,35	11,40	12,35
35			4,27	5,33	6,50	7,80	9,28	9,92	10,95	11,90
40				5,06	6,17	7,42	8,85	9,48	10,50	11,40
45					5,83	7,03	8,39	9,00	9,97	10,85
50					5,49	6,61	7,91	8,49	9,42	10,25
55						6,19	7,41	7,96	8,85	9,66
60							6,90	7,41	8,25	9,02
	Power Input kW									
	-25	-20	-15	-10	-5	0	5	7	10	12,5
15	1,36	1,23	1,16	1,14	1,17	1,22				
20	1,50	1,37	1,30	1,28	1,30	1,35				
30			1,62	1,60	1,62	1,65	1,70	1,71	1,73	1,74
35			1,80	1,79	1,80	1,84	1,87	1,89	1,90	1,91
40				1,99	2,01	2,04	2,08	2,09	2,10	2,10
45					2,24	2,27	2,30	2,31	2,32	2,32
50					2,50	2,53	2,56	2,57	2,57	2,57
55						2,82	2,85	2,86	2,86	2,86
60							3,18	3,19	3,19	3,18
	Current 400V, A									
	-25	-20	-15	-10	-5	0	5	7	10	12,5
15	3,13	2,92	2,79	2,75	2,77	2,82				
20	3,25	3,04	2,93	2,88	2,90	2,95				
30			3,25	3,22	3,23	3,28	3,33	3,35	3,38	3,39
35			3,46	3,43	3,45	3,49	3,54	3,56	3,58	3,59
40				3,68	3,70	3,74	3,79	3,80	3,82	3,82
45					3,99	4,03	4,08	4,09	4,10	4,11
50					4,32	4,37	4,42	4,43	4,44	4,44
55						4,76	4,81	4,82	4,83	4,82
60							5,26	5,27	5,28	5,27
	Mass Flow g/s									
	-25	-20	-15	-10	-5	0	5	7	10	12,5
15	14,20	19,50	25,10	30,90	37,40	44,50				
20	13,70	19,20	24,80	30,80	37,30	44,70				
30			24,10	30,20	36,90	44,50	53,10	57,00	63,20	68,90
35			23,70	29,70	36,50	44,10	52,90	56,80	63,10	68,90
40				29,20	35,90	43,60	52,40	56,30	62,70	68,60
45					35,30	42,90	51,70	55,70	62,10	68,10
50					34,70	42,10	50,90	54,90	61,30	67,30
55						41,30	50,00	53,90	60,40	66,30
60							48,90	52,80	59,20	65,20

Copeland Scroll - Compressor - Refrigeration - MT Standard
COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	8.61
Length/Width, mm	243/244
Height, mm	391
Net Weight, kg	29
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.24
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (MT), dBA	58
Sound Power (MT), dBA	69
Sound Power with Sound Shell (MT), dBA	59
PED Category	1
Internal Free Volume, l	2.5
High Side PS, bar(g)	32
Low Side PS, bar(g)	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35

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

Maximum Operating Current, A	7.2
Locked Rotor Current, A	40
Winding Resistance, ohm	4.83
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

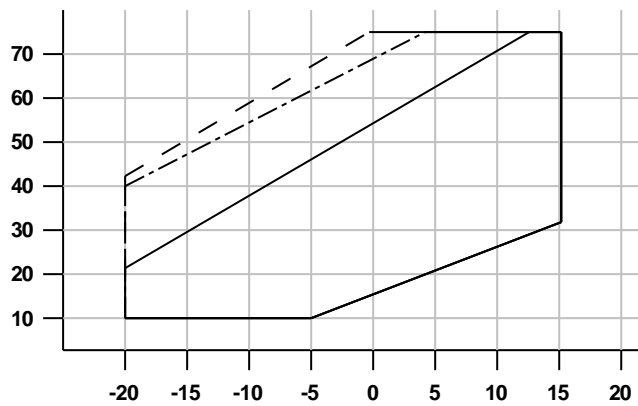
Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10 dBA)
Rotalock valves	suction and discharge

MOTOR OPTIONS

<i>Power Supply</i>	<i>Nominal Voltage</i>	<i>Motor Code</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
380-420 V/3~/50H	400	TFD		Y	1,00
460 V/3~/60Hz	460	TFD		Y	1,04



Minimum evaporating temp. with:

———— 25°C Suction Gas Return

- - - 10K Suction Superheat

- · - · 25°C Suction Gas Return with Voltage Limit ± 0%

Suction Superheat 10,0K

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	Capacity kW									
	-20	-15	-10	-5	0	5	7	10	12,5	15
10	2,62	3,30	4,12	5,11						
20	2,38	3,02	3,80	4,73	5,83					
30	2,13	2,72	3,45	4,32	5,34	6,53	7,06	7,91	8,66	
40	1,87	2,42	3,08	3,88	4,82	5,91	6,40	7,18	7,89	8,64
50		2,10	2,69	3,41	4,26	5,25	5,70	6,41	7,05	7,74
60				2,92	3,67	4,55	4,95	5,59	6,17	6,79
65				2,67	3,36	4,19	4,56	5,16	5,71	6,29
70					3,05	3,82	4,17	4,73	5,24	5,79
75					2,74	3,44	3,76	4,28	4,76	5,27
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12,5	15
10	0,67	0,66	0,67	0,67						
20	0,85	0,85	0,85	0,86	0,87					
30	1,06	1,06	1,06	1,07	1,08	1,09	1,10	1,11	1,11	
40	1,30	1,31	1,32	1,33	1,34	1,35	1,35	1,36	1,37	1,37
50		1,61	1,63	1,64	1,65	1,67	1,67	1,68	1,68	1,69
60				2,03	2,05	2,06	2,07	2,08	2,08	2,08
65				2,25	2,28	2,29	2,30	2,31	2,31	2,32
70					2,53	2,55	2,56	2,56	2,57	2,58
75					2,80	2,83	2,84	2,85	2,86	2,86
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12,5	15
10	2,60	2,57	2,56	2,56						
20	2,74	2,72	2,71	2,70	2,71					
30	2,91	2,91	2,90	2,90	2,91	2,92	2,93	2,95	2,96	
40	3,16	3,16	3,17	3,18	3,19	3,20	3,21	3,21	3,22	3,23
50		3,51	3,54	3,56	3,57	3,59	3,59	3,60	3,61	3,61
60				4,06	4,09	4,11	4,12	4,13	4,13	4,14
65				4,37	4,41	4,43	4,44	4,45	4,46	4,46
70					4,77	4,80	4,81	4,82	4,83	4,83
75					5,17	5,21	5,22	5,24	5,25	5,25
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12,5	15
10	14,50	17,90	22,00	26,80						
20	14,30	17,80	21,90	26,80	32,40					
30	14,00	17,50	21,70	26,60	32,30	38,80	41,60	46,10	50,10	
40	13,60	17,20	21,40	26,30	32,00	38,50	41,30	45,80	49,80	54,00
50		16,70	20,90	25,80	31,50	38,00	40,80	45,30	49,30	53,60
60				25,20	30,80	37,20	40,10	44,60	48,60	52,80
65				24,80	30,30	36,80	39,60	44,10	48,10	52,40
70					29,90	36,20	39,00	43,50	47,60	51,80
75					29,30	35,70	38,50	43,00	47,00	51,30

Copeland Scroll - Compressor - Refrigeration - MT Standard
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<i>Power Supply</i>	<i>Nominal Voltage</i>	<i>Motor Code</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
380-420 V/3~/50H	400	TFD		Y	1,00
460 V/3~/60Hz	460	TFD		Y	1,04