
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	5,02	6,19	7,57							
20	4,56	5,61	6,85	8,30	9,97					
30	4,06	4,99	6,08	7,36	8,83	10,55	12,50	13,35	14,70	
35	3,79	4,66	5,68	6,87	8,24	9,83	11,65	12,45	13,75	
40	3,50	4,31	5,26	6,36	7,64	9,12	10,80	11,55	12,75	
45	3,20	3,95	4,82	5,84	7,02	8,38	9,96	10,65	11,75	
50		3,57	4,37	5,30	6,38	7,63	9,08	9,72	10,75	
55			3,90	4,74	5,72	6,87	8,19	8,78	9,72	
60				4,16	5,05	6,08	7,28	7,82	8,68	
	Power Input kW									
	-25	-20	-15	-10	-5	0	5	7	10	
10	1,29	1,29	1,29							
20	1,64	1,64	1,64	1,63	1,63					
30	2,08	2,08	2,08	2,07	2,06	2,05	2,05	2,04	2,04	
35	2,34	2,34	2,34	2,33	2,32	2,31	2,30	2,29	2,29	
40	2,64	2,63	2,63	2,62	2,61	2,59	2,58	2,57	2,56	
45	2,96	2,96	2,95	2,94	2,93	2,91	2,89	2,89	2,87	
50		3,32	3,31	3,30	3,28	3,26	3,24	3,23	3,22	
55			3,71	3,70	3,68	3,66	3,63	3,62	3,61	
60				4,14	4,12	4,09	4,06	4,05	4,03	
	Current 400V, A									
	-25	-20	-15	-10	-5	0	5	7	10	
10	3,98	3,98	3,97							
20	4,30	4,31	4,31	4,31	4,31					
30	4,76	4,77	4,77	4,77	4,77	4,76	4,75	4,75	4,74	
35	5,05	5,07	5,07	5,07	5,07	5,05	5,04	5,03	5,02	
40	5,41	5,43	5,43	5,43	5,42	5,40	5,38	5,37	5,36	
45	5,84	5,85	5,86	5,86	5,84	5,82	5,79	5,78	5,76	
50		6,36	6,36	6,35	6,34	6,31	6,27	6,26	6,23	
55			6,95	6,94	6,91	6,88	6,84	6,82	6,78	
60				7,61	7,58	7,54	7,49	7,47	7,43	
	Mass Flow g/s									
	-25	-20	-15	-10	-5	0	5	7	10	
10	28,20	35,00	43,10							
20	28,00	34,60	42,50	51,90	62,90					
30	27,50	34,00	41,70	50,80	61,60	74,40	89,50	96,00	107,00	
35	27,10	33,50	41,20	50,20	60,90	73,60	88,50	95,00	106,00	
40	26,60	33,00	40,50	49,50	60,10	72,60	87,50	94,50	105,50	
45	25,90	32,30	39,80	48,60	59,10	71,70	86,50	93,50	104,50	
50		31,40	38,90	47,70	58,10	70,60	85,50	92,50	103,50	
55			37,80	46,60	57,10	69,60	85,00	91,50	103,00	
60				45,50	56,10	68,80	84,50	91,50	103,00	

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

Displacement @ 50 Hz, cu.m/h	9.95
Length/Width, mm	243/244
Height, mm	405
Net Weight, kg	28
Gross Weight, kg	31
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.45
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (MT), dBA	60
Sound Power (MT), dBA	71
Sound Power with Sound Shell (MT), dBA	61
PED Category	1
Internal Free Volume, l	2.6
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	8.85
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

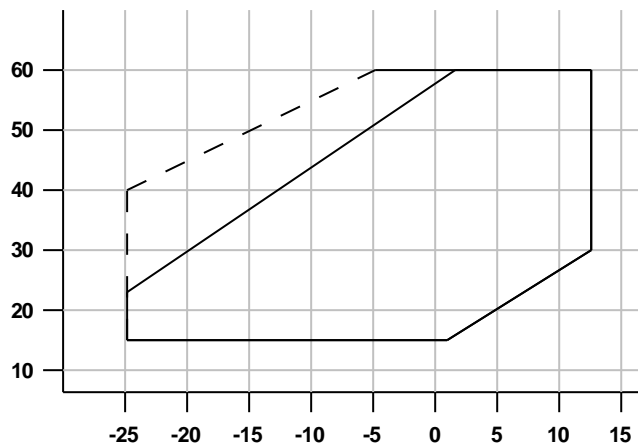
Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

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

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
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	3,60	4,53	5,63	6,91	8,39	10,10				
20	3,44	4,35	5,41	6,65	8,08	9,74				
30			4,96	6,11	7,45	8,99	10,75	11,55	12,75	13,90
35			4,73	5,84	7,12	8,60	10,30	11,05	12,25	13,30
40				5,55	6,78	8,20	9,83	10,55	11,70	12,70
45					6,43	7,79	9,35	10,05	11,15	12,10
50					6,07	7,36	8,85	9,50	10,55	11,50
55						6,92	8,33	8,95	9,95	10,85
60							7,80	8,39	9,33	10,20
	Power Input kW									
	-25	-20	-15	-10	-5	0	5	7	10	12,5
15	1,24	1,23	1,21	1,18	1,16	1,12				
20	1,41	1,40	1,39	1,37	1,34	1,32				
30			1,78	1,76	1,74	1,72	1,69	1,68	1,67	1,65
35			2,00	1,99	1,97	1,94	1,92	1,91	1,89	1,88
40				2,23	2,21	2,19	2,16	2,15	2,13	2,12
45					2,48	2,46	2,43	2,42	2,40	2,38
50					2,78	2,76	2,73	2,71	2,69	2,67
55						3,09	3,06	3,04	3,02	3,00
60							3,43	3,41	3,38	3,36
	Current 400V, A									
	-25	-20	-15	-10	-5	0	5	7	10	12,5
15	3,23	3,22	3,20	3,18	3,17	3,16				
20	3,41	3,40	3,39	3,36	3,34	3,33				
30			3,81	3,79	3,76	3,73	3,70	3,69	3,68	3,67
35			4,06	4,04	4,01	3,98	3,94	3,93	3,91	3,90
40				4,33	4,30	4,27	4,23	4,21	4,19	4,17
45					4,64	4,60	4,56	4,54	4,51	4,49
50					5,01	4,98	4,94	4,92	4,89	4,86
55						5,42	5,38	5,36	5,33	5,30
60							5,88	5,86	5,83	5,80
	Mass Flow g/s									
	-25	-20	-15	-10	-5	0	5	7	10	12,5
15	17,40	22,00	27,40	33,80	41,20	50,00				
20	17,10	21,70	27,10	33,50	41,00	49,70				
30			26,50	32,90	40,30	49,00	59,10	63,60	70,90	77,50
35			26,20	32,50	39,90	48,60	58,70	63,20	70,50	77,00
40				32,10	39,50	48,10	58,20	62,70	70,00	76,50
45					39,00	47,60	57,60	62,10	69,40	76,00
50					38,40	46,90	56,90	61,40	68,70	75,50
55						46,20	56,10	60,60	67,90	74,50
60							55,30	59,70	67,00	73,60

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

Displacement @ 50 Hz, cu.m/h	9.95
Length/Width, mm	243/244
Height, mm	405
Net Weight, kg	28
Gross Weight, kg	31
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.45
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	2.6
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	8.85
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

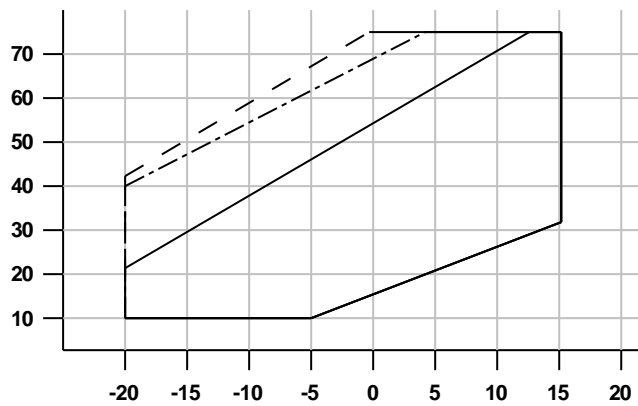
Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

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

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
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	3,03	3,81	4,76	5,90						
20	2,75	3,49	4,39	5,46	6,73					
30	2,46	3,15	3,98	4,99	6,17	7,55	8,15	9,13	10,00	
40	2,16	2,79	3,56	4,48	5,56	6,83	7,39	8,30	9,11	9,97
50		2,43	3,11	3,94	4,92	6,07	6,58	7,40	8,15	8,94
60				3,37	4,24	5,26	5,72	6,46	7,12	7,84
65				3,08	3,89	4,84	5,27	5,96	6,59	7,27
70					3,53	4,41	4,81	5,46	6,05	6,68
75					3,16	3,98	4,35	4,95	5,49	6,09
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12,5	15
10	0,76	0,76	0,76	0,77						
20	0,97	0,97	0,97	0,98	0,99					
30	1,20	1,21	1,21	1,22	1,23	1,24	1,25	1,26	1,27	
40	1,48	1,49	1,50	1,51	1,52	1,54	1,54	1,55	1,56	1,56
50		1,83	1,85	1,87	1,88	1,90	1,90	1,91	1,92	1,92
60				2,31	2,33	2,35	2,36	2,37	2,37	2,38
65				2,57	2,59	2,61	2,62	2,63	2,64	2,64
70					2,88	2,90	2,91	2,92	2,93	2,94
75					3,20	3,23	3,23	3,25	3,26	3,26
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12,5	15
10	2,99	2,96	2,94	2,94						
20	3,15	3,13	3,11	3,11	3,12					
30	3,35	3,34	3,34	3,34	3,35	3,36	3,37	3,39	3,40	
40	3,63	3,64	3,65	3,66	3,67	3,68	3,69	3,70	3,71	3,72
50		4,04	4,07	4,09	4,11	4,12	4,13	4,14	4,15	4,15
60				4,67	4,70	4,73	4,74	4,75	4,75	4,76
65				5,03	5,07	5,10	5,11	5,12	5,13	5,13
70					5,48	5,52	5,53	5,54	5,55	5,56
75					5,95	5,99	6,01	6,02	6,04	6,04
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12,5	15
10	16,80	20,70	25,40	31,00						
20	16,50	20,50	25,30	31,00	37,50					
30	16,10	20,20	25,10	30,80	37,30	44,80	48,10	53,20	57,80	
40	15,70	19,80	24,70	30,40	37,00	44,50	47,70	52,90	57,60	62,40
50		19,30	24,20	29,80	36,40	43,90	47,20	52,40	57,00	61,90
60				29,10	35,60	43,00	46,30	51,50	56,10	61,00
65				28,60	35,00	42,50	45,70	50,90	55,50	60,50
70					34,50	41,80	45,10	50,30	54,90	59,90
75					33,90	41,20	44,40	49,60	54,30	59,20

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

Displacement @ 50 Hz, cu.m/h	9.95
Length/Width, mm	243/244
Height, mm	405
Net Weight, kg	28
Gross Weight, kg	31
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.45
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (MT), dBA	60
Sound Power (MT), dBA	71
Sound Power with Sound Shell (MT), dBA	61
PED Category	1
Internal Free Volume, l	2.6
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	8.85
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
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

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