


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	8,59	10,50	12,80	15,55					
20	7,83	9,62	11,75	14,20	17,05	20,30			
30	7,01	8,63	10,55	12,75	15,30	18,20	21,50	23,00	25,30
35	6,57	8,10	9,88	11,95	14,35	17,05	20,20	21,60	23,70
40	6,12	7,55	9,21	11,15	13,35	15,90	18,80	20,10	22,10
45		6,98	8,51	10,25	12,30	14,65	17,30	18,50	20,40
50		6,38	7,77	9,37	11,20	13,35	15,80	16,85	18,60
55			7,01	8,44	10,10	12,00	14,20	15,20	16,75
60				7,48	8,94	10,65	12,60	13,45	14,85
	Power Input kW								
	-25	-20	-15	-10	-5	0	5	7	10
10	2,16	2,29	2,45	2,64					
20	2,56	2,69	2,84	3,01	3,21	3,43			
30	3,05	3,20	3,36	3,52	3,70	3,90	4,12	4,21	4,36
35	3,34	3,51	3,67	3,84	4,01	4,20	4,41	4,49	4,63
40	3,66	3,84	4,02	4,19	4,37	4,55	4,75	4,83	4,95
45		4,22	4,41	4,59	4,77	4,95	5,14	5,21	5,33
50		4,63	4,83	5,03	5,22	5,40	5,58	5,66	5,77
55			5,30	5,52	5,71	5,90	6,09	6,16	6,27
60				6,05	6,26	6,46	6,64	6,72	6,82
	Current 400V, A								
	-25	-20	-15	-10	-5	0	5	7	10
10	4,92	5,18	5,49	5,89					
20	5,68	5,86	6,05	6,29	6,62	7,06			
30	6,38	6,55	6,70	6,86	7,07	7,36	7,75	7,95	8,29
35	6,71	6,91	7,07	7,22	7,40	7,64	7,96	8,13	8,42
40	7,05	7,29	7,47	7,63	7,80	8,01	8,29	8,43	8,68
45		7,69	7,92	8,11	8,28	8,48	8,73	8,86	9,07
50		8,12	8,41	8,65	8,85	9,06	9,30	9,41	9,61
55			8,96	9,26	9,50	9,74	9,99	10,10	10,29
60				9,94	10,25	10,53	10,81	10,93	11,12
	Mass Flow g/s								
	-25	-20	-15	-10	-5	0	5	7	10
10	48,30	59,50	72,90	89,00					
20	48,00	59,30	72,80	89,00	107,50	129,50			
30	47,40	58,70	72,10	88,00	106,50	128,50	154,00	166,00	184,00
35	47,00	58,30	71,60	87,50	106,00	127,50	153,00	165,00	183,00
40	46,50	57,70	70,90	86,50	105,00	126,50	152,00	164,00	182,00
45		57,00	70,10	85,50	103,50	125,00	151,00	162,00	181,00
50		56,30	69,10	84,50	102,50	123,50	149,00	160,00	179,00
55			68,10	83,00	100,50	122,00	147,00	159,00	177,00
60				81,50	99,00	120,00	145,50	157,00	176,00

Copeland Scroll - Compressor - Refrigeration - Digital
COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	17.1
Length/Width, mm	241/246
Height, mm	481
Net Weight, kg	39.9
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.89
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (MT), dBA	61
Sound Power (MT), dBA	72
Sound Power with Sound Shell (MT), dBA	62
High Side PS, bar(g)	32
Low Side PS, bar(g)	22.6
Low Side TS Max., °C	50
Low Side TS Min., °C	-35

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

Maximum Operating Current, A	12.1
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	NTC sensor
Mounting Grommets	Standard
Sound Attenuation	Sound Shell (10 dBA)

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Mounting Grommets	Hard Mounts for Paralleling
Solenoid valve	Standard
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10 dBA)
Valve Coil	220 V
Valve Coil	24 V AC
Solenoid Valve Kit	220 V Ac 12" lead Length
Solenoid Valve Kit	24 V Ac 12" lead Length
Digital Tubing Kit	220 V 0.3 m Rotalock
Digital Tubing Kit	24 V 0.3 m Rotalock
Digital Control Kit	EC2-552
Digital Control Kit	EC3-652
Digital Driver	EC3-D13

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