



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									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	6,48	7,71	9,23	11,05	13,20					
20	5,53	6,72	8,16	9,87	11,90	14,20	16,90			
30	4,77	5,90	7,23	8,78	10,60	12,70	15,10	17,80	19,00	20,90
35	4,44	5,52	6,78	8,25	9,95	11,90	14,15	16,70	17,85	19,60
40		5,15	6,33	7,70	9,28	11,10	13,20	15,60	16,60	18,25
45			5,87	7,13	8,59	10,25	12,20	14,40	15,35	16,85
50			5,38	6,53	7,85	9,37	11,10	13,10	14,00	15,40
55				5,88	7,06	8,42	9,98	11,75	12,55	13,80
60					6,21	7,40	8,77	10,35	11,05	12,15
	Power Input kW									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	1,86	1,94	2,01	2,08	2,14					
20	2,12	2,22	2,32	2,41	2,50	2,57	2,63			
30	2,47	2,60	2,73	2,85	2,96	3,05	3,13	3,19	3,21	3,22
35	2,68	2,83	2,97	3,11	3,23	3,34	3,43	3,49	3,51	3,54
40		3,08	3,24	3,39	3,53	3,65	3,75	3,83	3,85	3,88
45			3,54	3,70	3,85	3,99	4,10	4,19	4,22	4,25
50			3,87	4,04	4,21	4,35	4,48	4,58	4,61	4,65
55				4,41	4,59	4,75	4,89	5,00	5,04	5,09
60					5,00	5,18	5,33	5,45	5,50	5,55
	Current 400V, A									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	5,09	5,12	5,16	5,20	5,24					
20	5,22	5,30	5,38	5,46	5,53	5,60	5,67			
30	5,50	5,64	5,77	5,89	5,99	6,09	6,18	6,26	6,29	6,33
35	5,69	5,87	6,03	6,17	6,30	6,41	6,51	6,60	6,63	6,67
40		6,14	6,33	6,50	6,65	6,78	6,89	6,99	7,02	7,07
45			6,67	6,87	7,04	7,20	7,33	7,44	7,48	7,53
50			7,06	7,29	7,49	7,67	7,81	7,94	7,98	8,04
55				7,75	7,99	8,19	8,36	8,50	8,55	8,61
60					8,53	8,76	8,95	9,12	9,17	9,25
	Mass Flow g/s									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	36,40	43,50	52,40	63,10	76,00					
20	33,90	41,40	50,50	61,50	74,50	90,00	108,00			
30	32,30	40,10	49,40	60,40	73,50	89,00	107,00	128,00	137,50	153,00
35	31,70	39,60	49,00	60,00	73,10	88,50	106,50	127,50	137,00	152,00
40		39,20	48,60	59,60	72,50	88,00	105,50	126,50	136,00	152,00
45			48,20	59,10	71,90	87,00	104,50	125,50	135,00	150,00
50			47,60	58,40	71,00	86,00	103,50	124,50	133,50	149,00
55				57,40	69,80	84,50	101,50	122,50	132,00	147,50
60					68,20	82,50	99,50	120,50	130,00	145,50

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

Displacement @ 50 Hz, cu.m/h	14.4
Length/Width, mm	241/246
Height, mm	481
Net Weight, kg	38.1
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.9
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	67
Sound Power, dBA	78
Sound Power with Sound Shell, dBA	68
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	11.3
Locked Rotor Current, A	65.5
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	NTC sensor
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

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

**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
460 V/3~/60Hz	460	TFD		Y	1,04