



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							
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							
20	23,80	29,50	36,40	44,50	53,90					
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