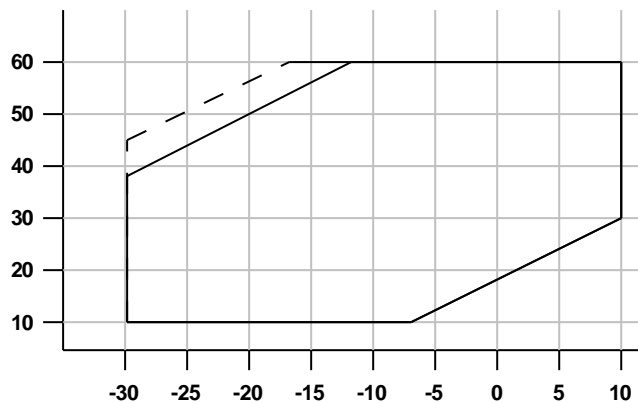


50Hz

ZBD21KCE-TFD

R404A



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	5,72	6,07	6,67	7,55	8,71					
20	4,08	4,54	5,20	6,09	7,21	8,56	10,20			
30	3,04	3,59	4,29	5,16	6,21	7,45	8,90	10,55	11,30	12,45
35	2,67	3,25	3,96	4,81	5,82	6,99	8,34	9,89	10,55	11,65
40		2,96	3,67	4,50	5,46	6,56	7,81	9,23	9,84	10,80
45			3,39	4,19	5,09	6,11	7,26	8,55	9,10	9,99
50			3,08	3,85	4,69	5,62	6,66	7,81	8,31	9,09
55				3,44	4,22	5,06	5,98	6,98	7,42	8,10
60					3,64	4,38	5,18	6,04	6,40	6,98
	Power Input kW									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	1,25	1,25	1,24	1,22	1,20					
20	1,34	1,37	1,39	1,40	1,40	1,40	1,38			
30	1,52	1,58	1,62	1,66	1,69	1,70	1,70	1,69	1,68	1,67
35	1,64	1,71	1,78	1,83	1,86	1,89	1,90	1,89	1,89	1,88
40		1,88	1,95	2,02	2,06	2,10	2,12	2,12	2,12	2,11
45			2,15	2,23	2,29	2,33	2,36	2,37	2,37	2,36
50			2,38	2,47	2,53	2,59	2,62	2,64	2,64	2,64
55				2,73	2,81	2,87	2,91	2,93	2,94	2,94
60					3,11	3,18	3,23	3,26	3,26	3,26
	Current 400V, A									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	2,93	2,93	2,94	2,94	2,96					
20	3,17	3,20	3,22	3,24	3,25	3,27	3,30			
30	3,42	3,48	3,53	3,57	3,60	3,62	3,64	3,66	3,67	3,68
35	3,56	3,64	3,71	3,77	3,81	3,84	3,86	3,87	3,88	3,88
40		3,82	3,91	3,98	4,04	4,08	4,10	4,12	4,12	4,13
45			4,14	4,23	4,30	4,35	4,39	4,41	4,41	4,41
50			4,40	4,51	4,60	4,67	4,71	4,74	4,74	4,75
55				4,83	4,94	5,02	5,08	5,12	5,13	5,13
60					5,33	5,43	5,50	5,55	5,56	5,57
	Mass Flow g/s									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	32,20	34,30	37,90	43,10	50,10					
20	25,00	27,90	32,20	37,90	45,20	54,20	65,10			
30	20,60	24,40	29,30	35,50	43,10	52,20	63,10	76,00	81,50	91,00
35	19,10	23,30	28,60	35,00	42,70	51,90	62,70	75,50	81,00	90,50
40		22,60	28,20	34,80	42,60	51,80	62,50	75,00	80,50	90,00
45			27,80	34,70	42,60	51,70	62,40	74,70	80,00	89,00
50			27,30	34,40	42,40	51,50	61,90	74,00	79,50	88,00
55				33,60	41,60	50,70	60,90	72,60	78,00	86,50
60					40,00	48,90	58,90	70,20	75,50	83,50

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

Displacement @ 50 Hz, cu.m/h	8.3
Length/Width, mm	243/243
Height, mm	432
Net Weight, kg	30.2
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.2
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	62
Sound Power, dBA	73
Sound Power with Sound Shell, dBA	63
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	6.7
Locked Rotor Current, A	40
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Standard
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ACCESSORIES OPTIONAL

Crankcase Heater	70W External
Discharge Temperature Protection	External Thermostat
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

<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