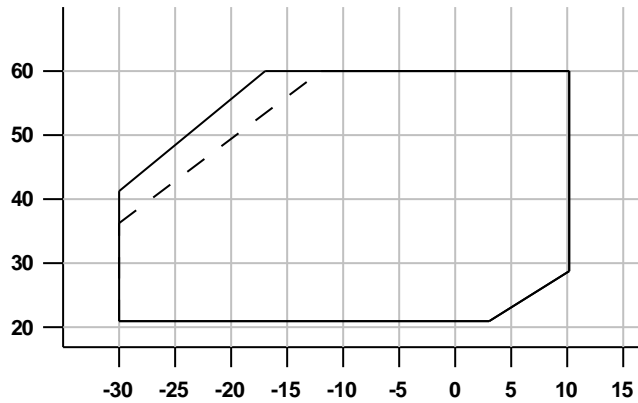


50Hz

ZBD58KCE-TFD

R404A



Minimum evaporating temp. with:  
 ——— 10K Suction Superheat  
 - - - 20°C Suction Gas Return

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
21	7,94	10,05	12,40	15,20	18,45	22,20	26,50			
25	7,44	9,53	11,90	14,60	17,70	21,30	25,40	30,10		
30	6,76	8,86	11,15	13,80	16,75	20,10	24,00	28,40	30,40	33,50
35	6,00	8,12	10,40	12,90	15,70	18,90	22,50	26,70	28,50	31,40
40		7,28	9,53	11,95	14,65	17,65	21,00	24,80	26,50	29,20
45			8,56	10,90	13,45	16,25	19,40	22,90	24,50	27,00
50				9,74	12,15	14,80	17,70	21,00	22,40	24,60
55				8,42	10,75	13,20	15,85	18,85	20,10	22,20
60					9,14	11,45	13,90	16,60	17,80	19,65
	Power Input kW									
	-30	-25	-20	-15	-10	-5	0	5	7	10
21	3,65	3,67	3,73	3,82	3,91	3,97	3,97			
25	4,00	4,00	4,05	4,13	4,22	4,29	4,31	4,26		
30	4,53	4,48	4,50	4,57	4,65	4,72	4,76	4,74	4,70	4,63
35	5,14	5,05	5,03	5,07	5,14	5,20	5,25	5,25	5,23	5,17
40		5,72	5,66	5,66	5,70	5,76	5,80	5,81	5,79	5,75
45			6,39	6,35	6,36	6,39	6,43	6,43	6,42	6,39
50				7,16	7,12	7,13	7,14	7,14	7,13	7,10
55				8,10	8,01	7,97	7,96	7,94	7,93	7,90
60					9,03	8,95	8,90	8,85	8,83	8,79
	Current 400V, A									
	-30	-25	-20	-15	-10	-5	0	5	7	10
21	9,48	9,48	9,55	9,66	9,76	9,83	9,85			
25	9,78	9,75	9,81	9,91	10,02	10,10	10,14	10,10		
30	10,26	10,19	10,22	10,30	10,40	10,50	10,56	10,55	10,52	10,44
35	10,88	10,76	10,74	10,79	10,88	10,98	11,05	11,06	11,05	10,99
40		11,48	11,41	11,42	11,48	11,56	11,63	11,66	11,65	11,61
45			12,24	12,20	12,22	12,27	12,33	12,36	12,35	12,32
50				13,15	13,13	13,14	13,17	13,19	13,18	13,16
55				14,31	14,22	14,19	14,18	14,18	14,16	14,13
60					15,53	15,43	15,38	15,34	15,32	15,27
	Mass Flow g/s									
	-30	-25	-20	-15	-10	-5	0	5	7	10
21	49,10	62,30	77,50	95,50	117,00	142,00	171,00			
25	47,80	61,50	77,00	95,50	116,50	141,50	171,00	205,00		
30	45,70	60,20	76,50	95,00	116,00	141,00	170,00	204,00	220,00	245,00
35	42,80	58,30	75,00	94,00	115,50	140,50	169,00	203,00	219,00	244,00
40		55,50	73,20	92,50	114,50	139,50	168,00	202,00	217,00	242,00
45			70,30	90,50	112,50	137,50	167,00	201,00	216,00	241,00
50				87,00	110,00	135,50	165,00	199,00	214,00	239,00
55				82,00	106,00	132,00	162,00	196,00	211,00	237,00
60					100,50	127,50	158,00	193,00	209,00	235,00

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

Displacement @ 50 Hz, cu.m/h	22.1
Length/Width, mm	264/284
Height, mm	476
Net Weight, kg	60
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	2.5
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	65
Sound Power, dBA	76
Sound Power with Sound Shell, dBA	66
High Side PS, bar(g)	32
Low Side PS, bar(g)	22.6

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

Maximum Operating Current, A	15.6
Locked Rotor Current, A	95
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Solenoid valve	Standard
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**ACCESSORIES OPTIONAL**

Crankcase Heater	90W External
Discharge Temperature Protection	External Thermostat
Mounting Grommets	Standard
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Valve Coil	220V
Valve Coil	24V AC
Digital Control Kit	EC2-552
Digital Control Kit	EC3-652
Digital Driver	EC3-D13

**MOTOR OPTIONS**

<b>Power Supply</b>	<b>Nominal Voltage</b>	<b>Motor Code</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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
575 V/3~/60Hz	575	TFE		Y	0,80
460 V/3~/60Hz	460	TFD		Y	1,04