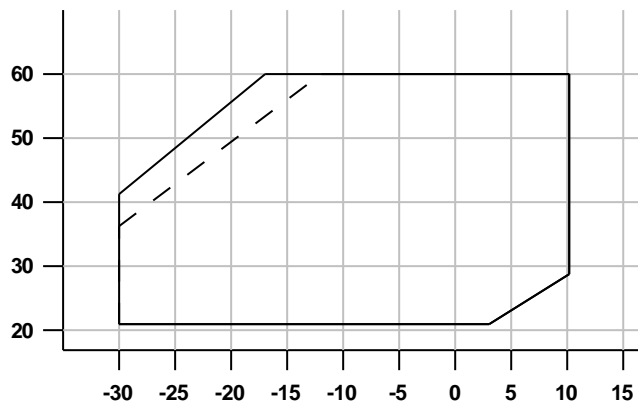


50Hz

ZBD76KCE-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	10,90	13,45	16,50	20,10	24,40	29,30	35,00			
25	10,35	12,80	15,80	19,30	23,40	28,10	33,50	39,70		
30	9,60	12,05	14,90	18,25	22,10	26,60	31,60	37,40	39,90	43,90
35	8,82	11,20	13,95	17,10	20,80	24,90	29,70	35,10	37,40	41,20
40		10,30	12,90	15,90	19,35	23,20	27,70	32,70	34,80	38,30
45			11,80	14,65	17,85	21,40	25,50	30,20	32,20	35,30
50				13,25	16,20	19,55	23,30	27,50	29,40	32,30
55				11,75	14,50	17,50	20,90	24,80	26,40	29,10
60					12,60	15,35	18,40	21,90	23,40	25,70
	Power Input kW									
	-30	-25	-20	-15	-10	-5	0	5	7	10
21	4,64	4,75	4,86	4,98	5,09	5,18	5,25			
25	5,06	5,16	5,27	5,38	5,49	5,59	5,67	5,71		
30	5,66	5,74	5,84	5,94	6,05	6,15	6,24	6,29	6,31	6,32
35	6,36	6,42	6,50	6,59	6,69	6,79	6,87	6,93	6,95	6,97
40		7,20	7,26	7,33	7,42	7,50	7,58	7,64	7,66	7,68
45			8,13	8,18	8,25	8,32	8,39	8,44	8,46	8,47
50				9,15	9,19	9,24	9,29	9,33	9,35	9,36
55				10,25	10,25	10,30	10,30	10,35	10,35	10,35
60					11,50	11,45	11,45	11,45	11,45	11,45
	Current 400V, A									
	-30	-25	-20	-15	-10	-5	0	5	7	10
21	11,08	11,23	11,38	11,52	11,64	11,74	11,79			
25	11,49	11,62	11,77	11,91	12,04	12,14	12,21	12,24		
30	12,11	12,22	12,36	12,49	12,62	12,74	12,82	12,87	12,87	12,86
35	12,89	12,97	13,08	13,21	13,33	13,45	13,54	13,61	13,62	13,62
40		13,89	13,97	14,07	14,19	14,30	14,39	14,47	14,49	14,50
45			15,04	15,12	15,21	15,31	15,40	15,48	15,50	15,52
50				16,37	16,43	16,51	16,59	16,66	16,68	16,71
55				17,84	17,87	17,92	17,98	18,04	18,05	18,08
60					19,54	19,56	19,59	19,63	19,64	19,66
	Mass Flow g/s									
	-30	-25	-20	-15	-10	-5	0	5	7	10
21	67,30	83,50	103,00	126,50	155,00	188,00	226,00			
25	66,30	83,00	102,50	126,00	154,00	187,00	226,00	271,00		
30	64,90	82,00	102,00	125,50	153,00	186,00	224,00	269,00	289,00	321,00
35	63,00	80,50	101,00	124,50	152,00	185,00	223,00	268,00	288,00	320,00
40		78,50	99,00	123,00	151,00	184,00	222,00	266,00	286,00	318,00
45			97,00	121,50	149,00	182,00	219,00	263,00	283,00	315,00
50				118,50	146,50	179,00	217,00	261,00	280,00	313,00
55				114,50	143,00	176,00	213,00	258,00	277,00	310,00
60					138,50	171,00	209,00	254,00	274,00	308,00

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

Displacement @ 50 Hz, cu.m/h	28.8
Length/Width, mm	293/285
Height, mm	533
Net Weight, kg	61.7
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	3.2
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	66
Sound Power, dBA	77
Sound Power with Sound Shell, dBA	67
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	20.4
Locked Rotor Current, A	118
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

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
575 V/3~/60Hz	575	TFE		Y	0,80
460 V/3~/60Hz	460	TFD		Y	1,04