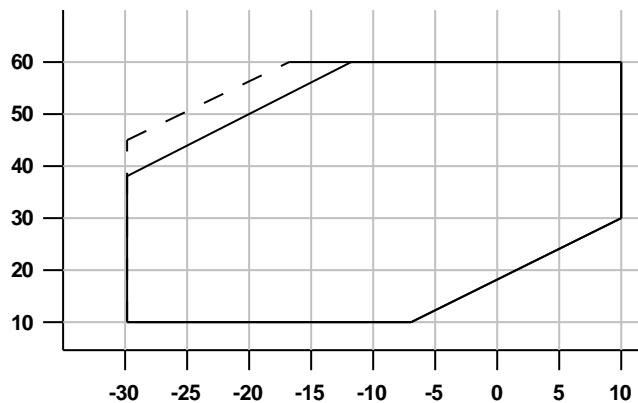


50Hz

ZBD30KCE-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	5,15	6,12	7,31	8,73	10,40					
20	4,51	5,47	6,63	8,00	9,59	11,40	13,50			
30	3,92	4,82	5,91	7,18	8,65	10,35	12,25	14,40	15,35	16,80
35	3,64	4,50	5,53	6,73	8,13	9,72	11,55	13,60	14,45	15,85
40		4,19	5,14	6,27	7,57	9,07	10,75	12,70	13,50	14,85
45			4,75	5,78	6,98	8,37	9,94	11,75	12,50	13,75
50			4,35	5,28	6,36	7,62	9,06	10,70	11,40	12,55
55				4,75	5,71	6,83	8,13	9,61	10,25	11,30
60					5,04	6,01	7,14	8,45	9,02	9,94
	Power Input kW									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	1,44	1,55	1,65	1,76	1,89					
20	1,63	1,77	1,87	1,97	2,08	2,21	2,38			
30	1,91	2,08	2,21	2,32	2,41	2,51	2,64	2,82	2,90	3,05
35	2,08	2,27	2,42	2,53	2,63	2,72	2,84	2,99	3,06	3,19
40		2,48	2,65	2,77	2,87	2,96	3,07	3,20	3,26	3,38
45			2,89	3,03	3,14	3,24	3,33	3,45	3,51	3,60
50			3,16	3,32	3,44	3,54	3,64	3,74	3,79	3,87
55				3,62	3,76	3,87	3,97	4,06	4,11	4,18
60					4,11	4,23	4,33	4,42	4,46	4,53
	Current 400V, A									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	3,26	3,43	3,59	3,74	3,92					
20	3,51	3,70	3,85	3,98	4,11	4,28	4,49			
30	3,85	4,08	4,25	4,38	4,50	4,63	4,79	5,01	5,12	5,31
35	4,05	4,31	4,50	4,65	4,77	4,89	5,03	5,22	5,32	5,48
40		4,56	4,78	4,94	5,07	5,19	5,32	5,50	5,58	5,73
45			5,09	5,28	5,42	5,55	5,68	5,83	5,91	6,04
50			5,43	5,65	5,81	5,95	6,08	6,23	6,30	6,42
55				6,05	6,24	6,40	6,54	6,69	6,75	6,87
60					6,71	6,89	7,04	7,20	7,27	7,38
	Mass Flow g/s									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	29,00	34,60	41,50	49,80	59,70					
20	27,60	33,70	41,00	49,80	60,20	72,30	86,50			
30	26,50	32,80	40,40	49,40	60,00	72,50	87,00	103,50	111,00	123,00
35	26,00	32,30	39,90	49,00	59,70	72,20	86,50	103,50	111,00	123,50
40		31,90	39,50	48,50	59,10	71,60	86,00	103,50	111,00	123,00
45			39,00	47,90	58,40	70,80	85,50	102,50	110,00	122,50
50			38,50	47,20	57,50	69,80	84,50	101,50	109,00	121,50
55				46,40	56,40	68,50	83,00	100,00	107,50	120,50
60					55,30	67,00	81,00	98,50	106,00	119,00

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

Displacement @ 50 Hz, cu.m/h	11.7
Length/Width, mm	241/246
Height, mm	482
Net Weight, kg	36.7
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	59
Sound Power, dBA	70
Sound Power with Sound Shell, dBA	60
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	7.9
Locked Rotor Current, A	51.5
Winding Resistance, ohm	3.6
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
575 V/3~/60Hz	575	TFE		Y	0,80
460 V/3~/60Hz	460	TFD		Y	1,04