Positioning controllers (BG4) CDE3000 14 to 17 A CDB3000 5.5 to 7.5 kW

CDE/CDB3 □·□□□, □x.x,□□, ...□□

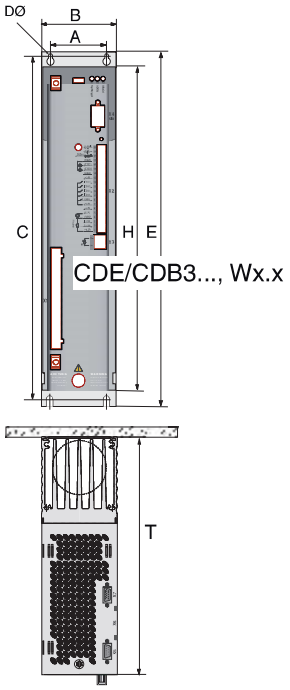
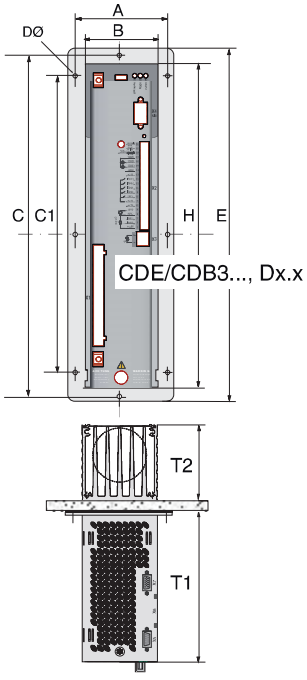
- Technical data
- Cooling method
- Variant

For complete ordering data please refer to the following tables.

Type CDB-34.014,W — Order code

Tech. data [1]	CDE/CDB34.014	CDE/CDB34.017
Output, motor side		
Recommended rated power with 4-pole standard motor	5.5 kW	7.5 kW
Voltage	3 x 0 ... 400/460V	
Effective rated current (I_N at 4/8 kHz)	14 A [2]	17 A [2]
Peak current	see table page 2-3	
Rotating field frequency	0 ... 400 Hz	
Switching frequency of power stage	4, 8, 12, 16 kHz (factory setting 8 kHz at 40 °C cooling air temperature)	
Input, mains side		
Mains voltage	3 x 400 V / 460 V	
Device connected load	5.7 kVA	7.3 kVA
Asymmetry of mains voltage	±3 % max.	
Frequency	50/60 Hz ±10 %	
Power loss (4 / 8, 12, 16 kHz) CDE3000 CDB3000	 150 / 177 W 135 / 162 W	 187 / 222 W 172 / 207 W
Braking chopper power electronic		
Peak braking power with int. braking resistor (only with variant CDE/CDB34 ..., Wx.x, BR)	6.0 kW at 90 Ω	6.0 kW at 90 Ω
Minimum ohmic resistance of an externally installed braking resistor	47 Ω	47 Ω

1) all data apply
to 1-phase units at 230 V
to 3-phase units at 400 V

2) For detailed current data relating to differing supply voltages and higher switching frequencies see table on page 2-3

	CDE/CDB34 ..., W x.x	CDE/CDB34 ..., D x.x
Cooling method	**Wall mounting**	**Push-through heat sink**
Mounting method	Vertical assembly, end-to-end	Vertical mounting, end-to-end, heat sink pushed through mounting plate
Cooling air temperature	45 °C (at 4 kHz power stage switching frequency)	
Weight	4.4 kg	4.6 kg
Dimensions	**BG3 [mm]**	**BG3 [mm]**
B (width)	70	70 (110)
H (height)	300	300
T (depth)	218	T1 138, T2 80
A	40	90
C	320	320
C1	-	200
E	330	340
DØ	Ø 4.8	Ø 4.8
Dimensional drawings