

Positioning controllers (BG5) CDE3000 24 to 32 A CDB3000 11 to 15 kW



CDE/CDB3 □.□□□, □x.x, □□, ... □□

Technical
data

Cooling method

Variant

For complete ordering data please refer to the following tables.

Type CDB-34.024,W

Order code

Tech. data ¹⁾	CDE/CDB34.024	CDE/CDB34.032
Output, motor side		
Recommended rated power with 4-pole standard motor	11 kW	15 kW
Voltage	3 x 0 ... 400/460 V	
Effective rated current (I _N at 4/8 kHz)	24 A ²⁾	32 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)	
Input, mains side		
Mains voltage	3 x 400 V / 460 V	
Device connected load	17.5 kVA	23.3 kVA
Asymmetry of mains voltage	±3 % max.	
Frequency	50/60 Hz ±10 %	
Power loss (4 / 8, 12, 16 kHz)		
CDE3000	330 / 415 W	415 / 525 W
CDB3000	315 / 400 W	400 / 510 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	22 Ω	22 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/CDB3 ..., W x.x	CDE/CDB3 ..., 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	7.2 kg	7.4 kg
Dimensions	BG5 [mm]	BG5 [mm]
B (width)	170	170
H (height)	300	300
T (depth)	218	T1 = 138, T2 = 135
A	130	A = 190, A1 = 100
A2 (wall cut-out)	-	175
C	320	C = 320 / C1 = 200
C2 (wall cut-out)	-	305
E	330	340
F	-	210
DØ	Ø 4.8	Ø 4.8

Dimensional drawings

