

Servocontrollers 24 A to 32 A (BG5)



CDD3 □.□□□□,□ x.xx, □□, ...□□

Technical data

Cooling method

Version

For complete ordering data please refer to the following tables.

Type CDD-34.024,Wx.x

Order code

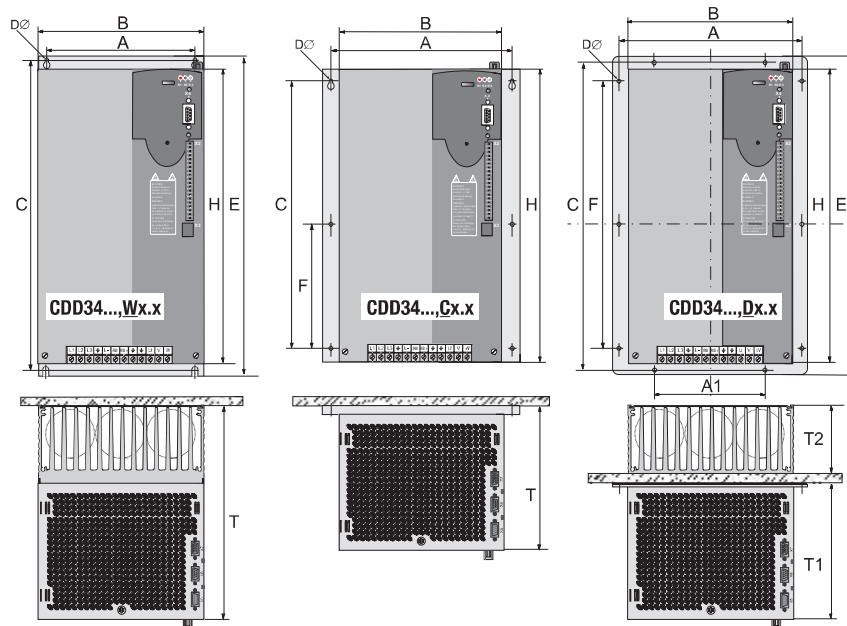
Technical data	CDD34.024	CDD34.032
Output, motor end¹⁾		
voltage	3 x 0 ... 400/460 V	
Rated current, effective I_n	24 A	32 A
Peak current 1.8 x I_n for 30 s	43 A	58 A
Device rated power	16.6 kVA	22.2 kVA
Rotating field frequency	0 ... 400 Hz	
Switching frequency of power stage	4, 8, 16 kHz (factory setting 8 kHz at 40 °C cooling air temperature)	
Input, mains side		
Mains voltage	3 x 400/460 V-25 % +10 %	
Current (with line reactor)	25.3 A	33.7 A
Asymmetry of mains voltage	±3 % max.	
Frequency	50 / 60 Hz ±10 %	
Power loss at 4 / 8, 16 kHz	330/ 415 W	415/ 525 W
Braking chopper power electronics		
Peak braking power with int. braking resistor(only with version CDD34 ...Wx.x,BR)	6.0 kWat 90 Ω	6.0 kWat 90 Ω
Minimum ohmic resistance of an externally installed braking resistor	22 Ω	22 Ω

1) Data referred to 400 V output voltage and 8 kHz switching frequency.



Cooling method	CDD34... W x.x	CDD34... C x.x	CDD34... 0 , D x.x
	Wall mounting	Cold plate	Push-through heat sink
Mechanism			
Protection	IP20		IP20 (device), IP54 (heat sink)
Cooling air temperature	45 °C (at 4 kHz switching frequency of power stage)		
Weight	7.2 kg	6.4 kg	7.4 kg
Mounting type	Vertical mounting with unhindered air flow	Vertical mounting on mounting plate or cooling section	Vertical mounting, heat sink pushed through mounting plate
Dimensions	BG5 [mm]		
W (width)	170	170 (200)	170 (210)
H (height)	300	300	300
D (depth)	218	150	T1 138, T2 80
A	130	185	A 190 , A1 100
C	320	200	320
D ∅	4.8	5.5	4.8
E	330	-	340
F	-	100	200

Dimensional drawings



Version	Characteristic
CDD34 ...BR	Internal braking resistor only for housings with „wall mounting“ CDD34 ... W x.x or „push-through heat sink“ cooling method CDD34... D x.x.

i Note: Note that for the cold plate and push-through heat sink cooling methods special conditions regarding the dissipation of power loss must be met. For more details refer to the CDD3000 Operation Manual.