

## CDS4000

### New Presentation

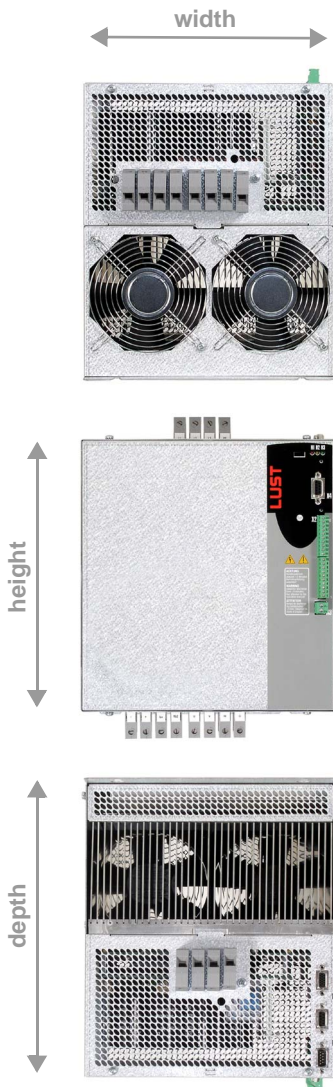
Drive controller for high-speed drives

- 0 to 4000 Hz output frequency
- Field Oriented Regulation for asynchronous and synchronous motors
- Reduction of motor heat-up based on integrable sinusoidal filter
- Highly compact design



**Precision at high speed**

# Fact + figures, CDS4000



## Provisional technical data:

Inverter power stages	7.5 kW	15 kW
<b>Motor output</b>		
Output current	17 A	32 A
Output frequency	0 to 4000 Hz	
Clock frequency of power stage	nominal 64 kHz, 16/32 kHz (optional)	
Reduction of harmonics	By integrable sinusoidal output filter* (optional)	
<b>Mains input</b>		
Input voltage	3 x 400/460 V	
Input frequency	50/60 Hz	
EMC	Integrable mains input filter* (optional)	
<b>Housing</b>		
Cooling	Forced air cooling (water cooling optional)	
Dimensions (H x W x D)	260 x 245 x 285 mm	
Dimensions with filter assembly	260 x 345 x 285 mm	
Weight (without filter)	13 kg	
Ambient temperature	0 to 40 °C	
Relative air humidity	15 to 85 % condensation not permitted	
Protection	IP20, VBG4	
<b>Inputs/outputs</b>		
Usable encoder	Resolver, SIN/COS encoder, Hall IC	
Analog inputs	one input +/- 10 V and one 0 to 10 V	
Digital inputs	Five, fully programmable	
Digital outputs	Two, fully programmable	
<b>Features</b>		
Loop control	Digital speed and current controller	
Closed-loop control modes	VFC (Voltage Frequency Control), FOR (Field Oriented Regulation)	
Braking chopper electronics	Built-in	
Motor monitor	PTC and linear PTC	

\*Mains and sinusoidal filters are built into one assembly for side mounting.

## For more information

Please mail, phone or fax for additional descriptions and technical details.

Phone +49 (0) 64 41/9 66-0 • Fax +49 (0) 64 41/9 66-137

## Address:

Lust Antriebstechnik GmbH • Gewerbestr. 5-9 • D-35633 Lahnau

Internet: <http://www.lust-tec.de> • e-mail: [info@lust-tec.de](mailto:info@lust-tec.de)