

COMPACT WHEEL DRIVE

CWD



Compact Design with Minimal Axial Length
Exceptional power in a compact size, offering efficiency and performance in applications where space and power are critical.

Exceptional Axial/Radial Load Capacity
Ensures robust support and stability in demanding applications, enabling the drives to handle heavy-duty tasks with ease while maintaining precision and efficiency.

Smooth Motion and High Reliability
Delivers smooth and precise motion, coupled with high reliability - ensuring minimal downtime and maintenance.

Best-in-class Power Density
Offering efficiency and performance in applications where space and power are critical.

Low Noise Operation
Enhancing the work atmosphere and complying with noise regulations.

Technical Specifications:

Parameter	Units	CWD 500	CWD 1000
		Value	Value
Nominal Output Torque	Nm	25	50
Max Output Torque	Nm	50	100
Max Emergency Torque	Nm	75	150
Nominal Output Velocity	rpm		233
Max Output Velocity	rpm		240
Ratio			15:1
Reducer Efficiency	%		90
Noise Level @ nominal Velocity and load	dBA/1 m		<75
Backlash	Arcmin		<30
Life expectancy at rated loads	Hrs.		> 30,000
Bus Voltage	VDC		48
Power	Watts	600	1200
Wheel Diameter	Mm		160
Radial Load	N		8000
Axial Load	N		2600
Encoder Resolution	Counts		16,384
Halls			Y
Brake Torque	Nm	4	10
Ambient Operating Temperature	Celsius		-10 to 45
Protection Class			IP54