EPD-200-2

Electric Pump Drive

Off-highway electric powertrain experience

John Deere electric drivetrain components have more than one million hours of proven performance in the field. This new family of series-electric generator pump drives and traction drives offer a flexible, balanced, and scalable approach for electric drivetrain solutions.

- Seamless integration with John Deere engines, inverters, and drivetrain equipment
- Rugged components designed for high durability and reliability
- Modular configurations to fit a variety of applications

Hydraulic Pump Drive

Pump mount / spline	SAE B, SAE C, SAE D
Output options	Flange shaft, keyed shaft
Max output speed	3000 rpm
Max output torque Per pump pad	881 Nm (650 lb-ft)
Approximate weight	261 kg (575 lb)
Overall dimensions	590 x 340 x 630 mm (23 x 13 x 25 in)

Interior Permanent Magnet (IPM) Motor

Power Rating @ 700 VDC	up to 200 kW (270 hp)
Lubrication flow required	24 lpm (6.3 gpm)
Power electronics	John Deere PD400 Inverter (WEG cooled)

Specifications and design subject to change without notice. Ratings may vary depending on application and service. Application and installation are subject to review by John Deere.

Electric Pump Drive

Model lineup

	EPD-100-2	EPD-100-3	EPD-150-2	EPD-150-3	EPD-200-2	EPD-200-3
Power rating	100 kW (135 hp)	100 kW (135 hp)	150 kW (200 hp)	150 kW (200 hp)	up to 200 kW (270 hp)	up to 200 kW (270 hp)
Pump drives	2	3	2	3	2	3

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All values at rated speed and power with standard options unless otherwise noted.
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