GPD-200-2

Generator Pump Drive

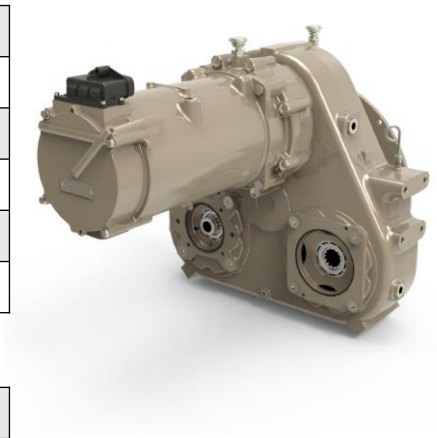
Off-highway electric powertrain experience

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

Generator/Hydraulic Pump Drive Gearbox

Engine mount	SAE 1, 2, 3
Max input torque	1695 Nm (1250 lb-ft)
Input speed	1500 – 3000 rpm
Max input power	522 kW (700 hp)
Approximate weight	306 kg (675 lb)
Overall dimensions	657 x 680 x 658 mm (26 x 27 x 26 in)



Hydraulic Pump Drive

Pump drive ratio	1:1, .84:1, .72:1
Pump mount / spline	SAE B, C, D
Max output speed	3000 rpm
Max output torque Per pump pad	881 Nm (650 lb-ft)
Max output power Per pump pad	268 kW (360 hp)

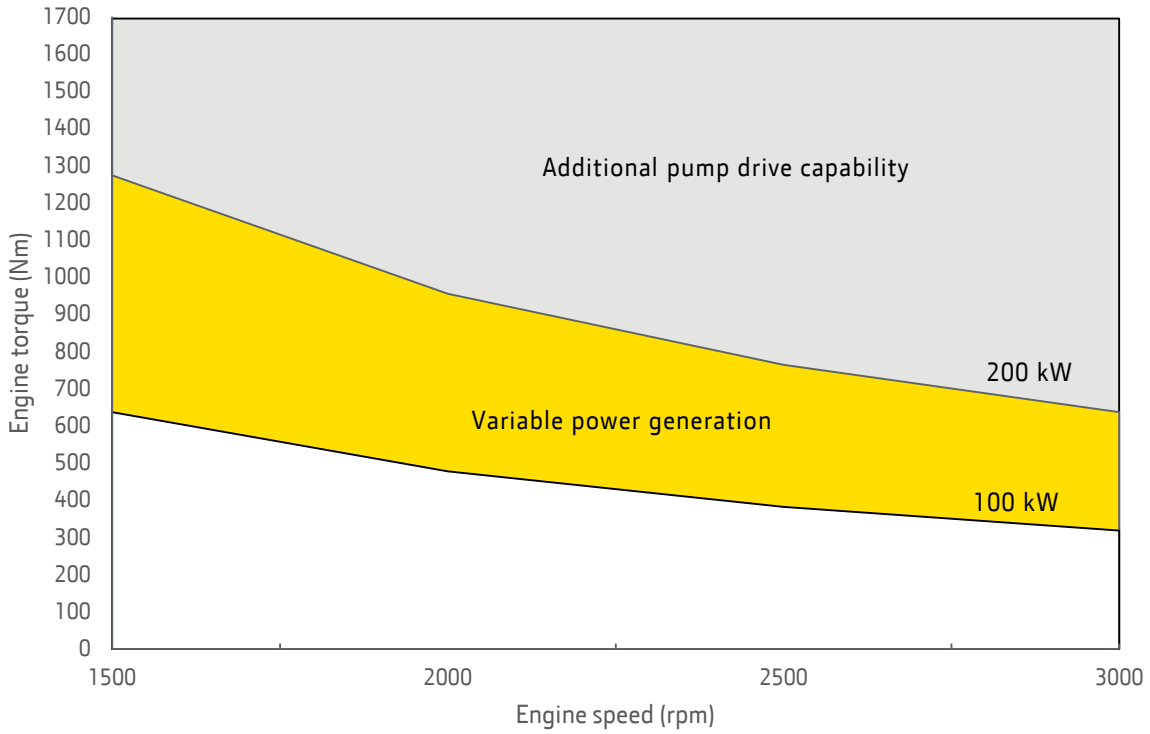
Interior Permanent Magnet (IPM) Motor

Power Rating @ 700 VDC	up to 200 kW (268 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.

Generator Pump Drive

Variable-speed power generation



Model lineup

	GPD-100-1	GPD-100-2	GPD-150-1	GPD-150-2	GPD-200-2	GPD-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	1	2	1	2	2	3

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