

Electric Drivetrain Components



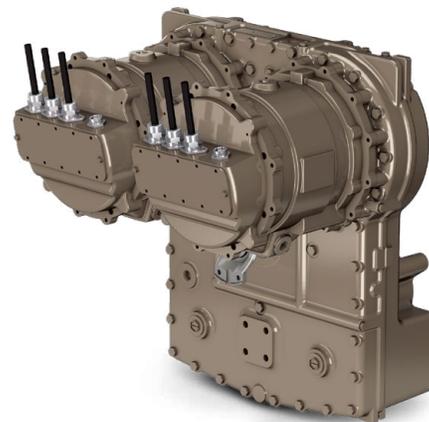
Taking powertrain electrification off-highway

John Deere has the experience to help you electrify vehicles and provides rugged system components.

- Proven John Deere components and electric drive system
- Motors designed specifically for traction drive application
- Components designed for high durability and reliability

GPD5 Generator & Pump Drive

Max input torque	2500 Nm (1850 lb-ft)
Max input speed	1950 rpm
Pump drive pads	SAE B, SAE C, SAE E (2)
Maximum electric power generation	400 kW (536 hp)
Assembly weight	930 kg (2050 lb)



GPD3 Generator & Pump Drive

Max input torque	900 Nm (664 lb-ft)
Max input speed	1950 rpm
Pump drive pad	SAE D
Maximum electric power generation	200 kW (268 hp)
Assembly weight	350 kg (770 lb)



EMD3 Motor & Transmission

Power output	145 kW (195 hp)
Peak torque output	5500 Nm (4071 lb-ft)
Max output speed	3400 rpm
Transmission ratios	3
Park brake capacity	2600 Nm (1915 lb-ft)
Assembly weight	650 kg (1433 lb)



Electric Drivetrain Components



Electric component family

Power range	Power generation	Power electronics	Power conversion	
	Generator/pump drives	Inverters	Transmissions	Final drives
300 – 400 kW				
200 – 300 kW				
140 – 200 kW				

Proven off-highway performance

Your equipment deserves nothing less

Staying true to the John Deere commitment, Funk drivetrain components incorporate over 150 years of off-highway vehicle experience.

Our continued promise is to provide you with an array of robust designs to meet your demanding OEM needs. When you choose a Funk pump drive, you know you are getting the best combination of performance, reliability, and durability.

Our application engineers are ready to assist you in selecting the options that best fit your needs. We also offer dedicated OEM service and long-term aftermarket support.

To see the value we can add to your equipment, call us today at 1-800-533-6446.

The power of a worldwide support network

With John Deere, you never have far to go to find expert assistance and advice. The more than 4,000 service locations throughout the world give you peace of mind that you can get service when and where you need it.



John Deere Power Systems

3801 West Ridgeway Avenue
 P.O. Box 5100
 Waterloo, IA 50704-5100
 Phone: +1 800 533 6446 (U.S.)
 Phone: +1 319 292 6060 (International)
 Fax: +1 319 292 5075
 Email: jdpower@JohnDeere.com

JohnDeere.com/jdpower