

Electric Drivetrain Components



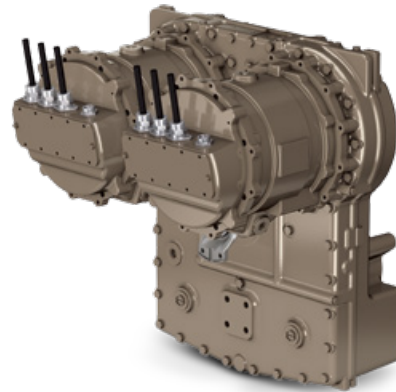
Taking powertrain electrification off-highway

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

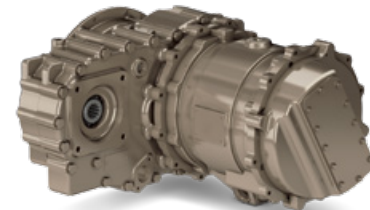
GPD5 Generator & Pump Drive

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	1000 Nm (738 lb-ft)
Max input speed	1900 rpm
Pump drive pad	SAE D
Maximum electric power generation	195 kW (261 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)



PD400 Single Power Inverter



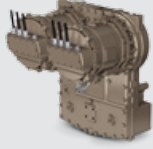




Power rating	Configurations up to 450 kVA (750 VDC @ 600 Arms)
Continuous current rating	400 Arms
Peak current rating	500 Arms (duration managed by overload software feature)
High voltage bus	180 VDC to 700 VDC
Assembly weight	28.6 kg



Electric Drivetrain Components



Electric component family

Power range	Power generation	Power electronics	Power conversion
	Generator/pump drives	Inverters	Transmissions
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 and John Deere Electronic Solutions power inverters 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 John Deere power, 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.



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