

EMD100-D Electric Motor 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

Direct Mount Motor Drive

Max output torque Duty cycle dependent	780 Nm (575 lb-ft)
Max output speed	3100 rpm
Output Mounting	SAE-D, SAE-C
Approximate weight	140 kg (310 lb)
Overall dimensions	300 x 445 x 550 mm (12 x 18 x 22 in)



Interior Permanent Magnet (IPM) Motor

Power Rating @ 700 VDC	100 kW (135hp)
Lubrication flow required	17 lpm (4.5 gpm)
Power electronics	John Deere 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. Torsional Vibration Analysis to be performed by installer.

EMD150-D Electric Motor 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

Direct Mount Motor Drive

Max output torque Duty cycle dependent	1180 Nm (870 lb-ft)
Max output speed	3100 rpm
Output Mounting	SAE-D, SAE-C
Approximate weight	150 kg (330 lb)
Overall dimensions	300 x 445 x 580 mm (12 x 18 x 23 in)



Interior Permanent Magnet (IPM) Motor

Power Rating @ 700 VDC	150 kW (200hp)
Lubrication flow required	19.5 lpm (5 gpm)
Power electronics	John Deere 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. Torsional Vibration Analysis to be performed by installer.

EMD200-D Electric Motor 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

Direct Mount Motor Drive

Max output torque Duty cycle dependent	1275 Nm (940 lb-ft)
Max output speed	3100 rpm
Output Mounting	SAE-D, SAE-C
Approximate weight	165 kg (365 lb)
Overall dimensions	300 x 445 x 640 mm (12 x 18 x 25 in)



Interior Permanent Magnet (IPM) Motor

Power Rating @ 700 VDC	200 kW (270 hp)
Lubrication flow required	25 lpm (6.6 gpm)
Power electronics	John Deere 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. Torsional Vibration Analysis to be performed by installer.