

ProDrive Ground Drive for John Deere Self-Propelled Harvester

The ProDrive system for John Deere self-propelled harvesters is a completely new, electronically controlled drive train featuring full Anti-Slip Regulation (ASR), integrated differential lock, seamless four-wheel drive engagement, and full-range 40-kph (25-mph) ground speed without manual gear shift. ProDrive incorporates variable displacement pump and front- and rear-axle motors operating in conjunction with a two-speed, auto-shift planetary gear set to provide maximum torque to the drive wheels in any field condition. Ground speed ranges of 0-20 kph (0-12 mph) in field mode and 0-40 kph (0-25 mph) in road mode allow effortless operation in the field or on the road without the need to manually change ground drive-gear ratios. The integrated front differential lock functions in field mode and at a steer angle less than 9°. When a speed differential of more than 10 percent occurs, the differential lock automatically engages, transferring more power to the ground.

Deere & Company, Moline, Illinois USA;
309-765-8000, www.JohnDeere.com

