

# HMD Transmissions

Funk Drivetrain Components



JOHN DEERE

Shift to consistent power at any speed



# HMD transmissions for precise ground speed control

- Controlled ground speed at full engine power
- Multiple gear ratios in two-, three-, and four-speed models
- Selection of SAE hydraulic input motor mountings for application flexibility



## Durable and dependable hydrostatic motor-driven (HMD) transmissions

Funk™ HMD transmissions are equipped to operate with high-tech hydraulics. They provide the electronic controls you need for heavy-duty equipment such as dozing machines, motor graders, railway vehicles, sweepers, pavers, and virtually any other application where a controlled travel speed is critical.

## The 18000 HMD — for high-power needs

The most popular model in our HMD lineup, the 18000 offers a generous 149-kW (200-hp) rating for powerful applications. The design includes an integral lube pump that completely lubricates input splines and bearings, increasing the life of the transmission. Two high-gear and five low-gear ratio options produce the speeds appropriate for equipment in the forestry, construction, railroad, mining, and ag industries.

## HS17000 HMD – shift on the go

The HS17000 is a two-speed powershift transmission capable of shifting gear ranges while in motion. The speeds are obtained through the use of electrically controlled solenoids and hydraulically actuated multiple wet disc clutches.

## HMD transmission specifications

Model	Speeds	Max input power	Max input no load speed	Max input torque	Motor adapters	Output fittings	Parking brake
18000	2	149 kW (200 hp)	4000 rpm	949 Nm (700 lb-ft)	SAE C, D	5C, 6C, 7C yokes or companion flange	Disc
12700	4	104 kW (140 hp)	2500 rpm	407 Nm (300 lb-ft)	SAE C, D	Adapts to Spicer 1500 and 1600 series, and Mechanics 7C U-joint flange yoke	Drum
33000	4	101 kW (135 hp)	2400 rpm	407 Nm (300 lb-ft)	SAE C, D	Adapts to Spicer 1500 and 1600 series, and Mechanics 7C U-joint flange yoke	Drum
HS17000	2	93 kW (125 hp)	4300 rpm	1017 Nm (750 lb-ft)	SAE C, D	6C, 7C yokes or companion flange	N/A
23000	3, 4	75 kW (100 hp)	3000 rpm	271 Nm (200 lb-ft)	SAE C, D	Spicer 3-1-2181	Band

# 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 HMD transmission, 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.

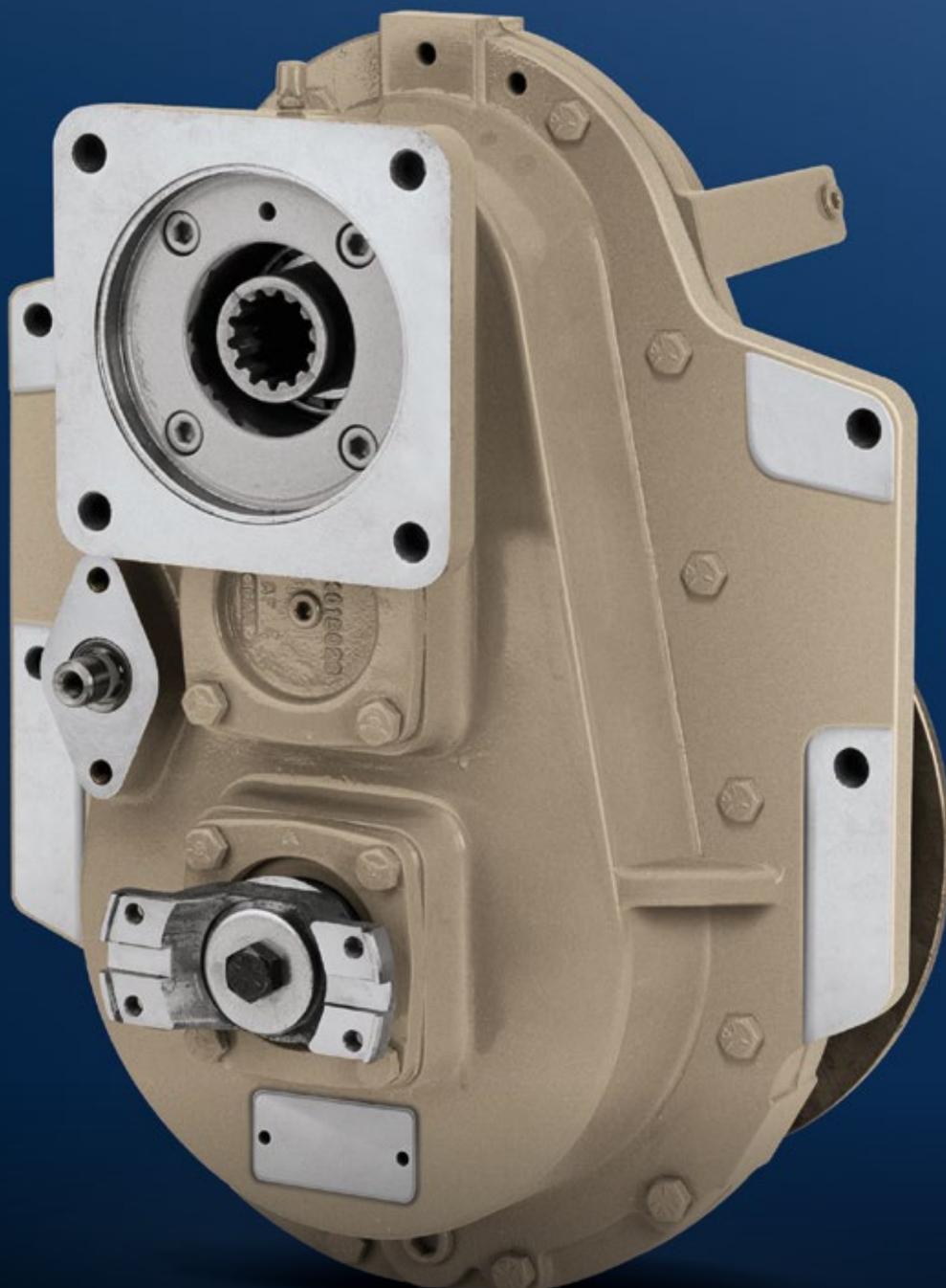
## The power of a worldwide support network

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

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