



Pinnacle
DRILLING PRODUCTS LP

Providing Innovative Drilling Solutions

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MPP 100K & 50K **TOP DRIVES**

The MPP 100K and 50K RC/RAB Top Drives are high torque rotation units that can be configured for both reverse circulation and rotary air blast drilling. The top drives feature planetary gear box and bent axis piston motor drives, and a robust main gearbox, spindle and swivel assembly. The 100K and 50K top drives are ideal for large diameter drilling and pilings. Conversion kits may be ordered from MPP to change from RC to RAB or RAB to RC. The drives are also available with multiple accessories including a heavy duty stand, hydraulic hoses and quick couplings, guide blocks, hex drive sockets, spreader bars and discharge adapters. When coupled with MPP's line of portable hydraulic power units, 40" cyclones and air manifolds, the MPP 100K and 50K top drives are the perfect tools for large diameter/piling drilling projects

FEATURES

- High torque output for large diameter drilling applications
 - Versatile RC and RAB drilling capabilities
- Planetary gearbox & bent axis piston motor drives
 - Available with turnkey accessory packages





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MPP 100K TOP DRIVE SPECIFICATIONS:

Style: Gear drive w/ (4) planetary gearbox, bent axis piston motors & swivel
Drilling style: Can be adapted for RC & RAB Drilling
Rotation speed: 0-10 RPM
Maximum continuous torque: 100,000 ft-lbs
Maximum intermittent torque: 127,000 ft-lbs.
Rotation direction: CW & CCW
Maximum pullback force: 325,000 lbs.
Maximum feed force: Do not power feed
Drill connection: 12.75" Hex
Discharge diameter in quill: 8" unrestricted
Discharge connection: 8" #300 ANSI flange
Air connection: 4" #300 ANSI flange
Hydraulic connections: -24
Maximum hydraulic pressure: 4000 PSI
Maximum hydraulic flow: 105 GPM
Dimensions: 39.75" L x 36.5" W x 52" HT
Weight (RC configuration): 8270 lbs.
Weight (RAB configuration): 7960 lbs.
Accessories (optional): Mounting stand, hydraulic hoses, spreader bar, guide blocks, hex drive sockets, front/side discharge adapters

MPP 50K TOP DRIVE SPECIFICATIONS:

Style: Gear drive w/ (2) planetary gearbox, bent axis piston motors & swivel
Drilling style: Can be adapted for RC & RAB Drilling
Rotation speed (in parallel): 0-14 RPM
Rotation speed (in series): 0-29 RPM
Maximum continuous torque: 55,000 ft-lbs.
Maximum intermittent torque: 62,500 ft-lbs.
Rotation direction: CW & CCW
Maximum pullback force: 200,000 lbs.
Maximum feed force: Do not power feed
Drill connection: MPP 9.5" Hex
Discharge diameter in quill: 6" unrestricted
Discharge connection: 6" #300 ANSI flange
Air connection: 3" #300 ANSI flange
Hydraulic connections: -20
Maximum hydraulic pressure: 3000 PSI
Maximum hydraulic flow: 85 GPM
Dimensions: 34.75" L x 35.25" W x 56" HT
Weight: 5640 lbs.
Accessories (optional): Mounting stand, hydraulic hoses, spreader bar, guide blocks, hex drive sockets, front/side discharge adapters

