

Wirth TPK 1600 Mud Pumps

For land drilling applications

Since 1904, HMH has built the most reliable and service-friendly mud pumps available in the market.

Product description

The 1600 hp mud pumps are designed to circulate drilling fluid under high pressure (up to 7 500 psi) down the drill string to support any project requirements.

Our precise equipment design and production processes reduce wear and tear, as well as, maintenance downtime and costs. Our precise machining makes shimming obsolete; the pump is ready to use after set-up and runs smoothly throughout the operation. Very low noise and vibrations levels increase the HSSE performance.

The light weight triplex pumps are extremely compact and require minimum space. Different skid, main motor and drive arrangements for rear- or top-mounted configurations meet all rig requirements. The mud pumps are accredited in accordance with API-7K.

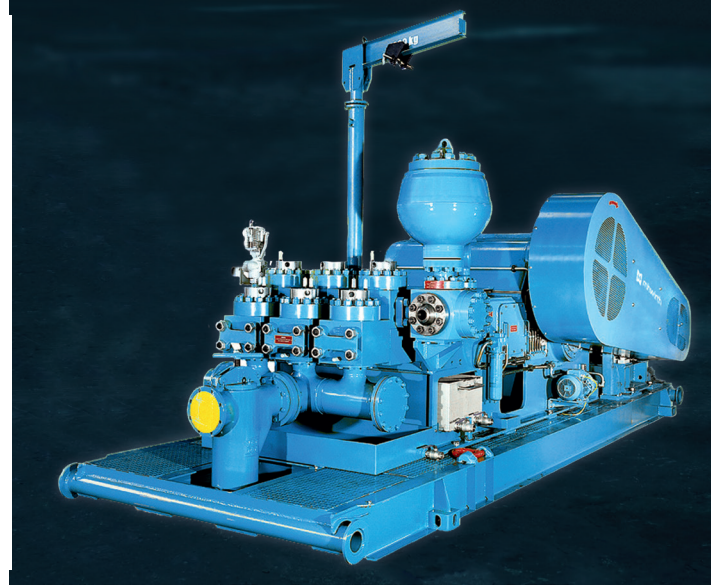
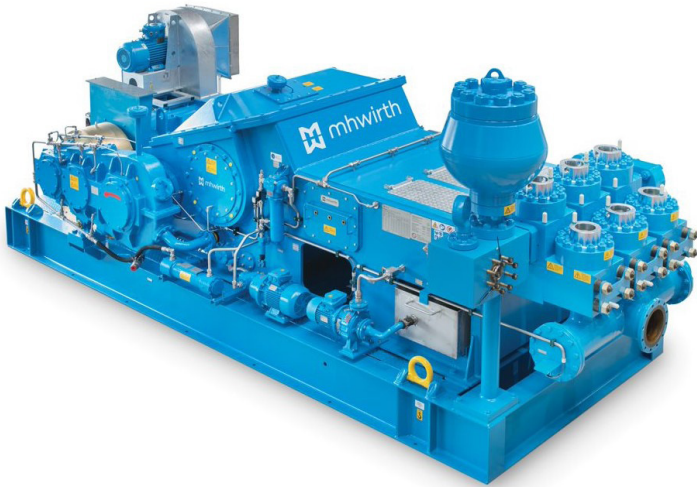
Benefits

- Large variety of drives, motor and skid configurations to meet your needs for any land rig new build or upgrades project
- 5 % less weight than pumps from other OEMs simplifying the required infrastructure on the rig and reducing the cost of rig configuration
- Lowest Total Costs of Ownership with:
 - Hydraulic quick release system for fluid ends
 - Consumables and spare parts with HMH quality
 - More than 3 x higher uptimes with our unique gear drive

Key features

- Unique gear drives with a lifetime of up to 50 000 hours, replacing less durable and louder chain or belt driven configurations (15 000 hours lifetime)
- Hydraulic quick release system for fast tensioning and replacement of fluid end parts without heavy tools. Necessitating less physical strength compared to tensioning of the screws via torque, this method improves safety and reduces maintenance downtime





Technical specifications

		TPK 1600 AC-RG-1M	TPK 1600 AC-RB	TPK 1600 AC-RB-1M	TPK 1600 DC-RC
Typical application		Land, normal duty mud circulation			
Discharge flow, max.		826 gpm (187 m ³ /h)			
Operating pressure, max.		7 500 psi (517 bar)		5 000 psi (345 bar)	
Standard main motor		Single AC, forced ventilated	Double AC, forced ventilated	Single AC, forced ventilated	Double DC, forced ventilated
Standard drive configuration		Rear mounted gear drive	Rear mounted belt or chain drive, dual sided	Rear mounted belt drive, single sided	Rear mounted chain drive, dual sided
Dry weight		75 620 lbs (34 300 kg)	83 776 lbs (38 500 kg)	76 060 lbs (34 500 kg)	8 2012 lbs (37 200 kg)
Dimensions	Length	260 in (6 612 mm)	242 in (6 145 mm)	292 in (7 420 mm)	292 inch (7 420 mm)
	Width	133 in (3 880 mm)	120 in (3 041 mm)	118 in (2 992 mm)	118 inch (3 003 mm)
	Height	131 in (3 325 mm)	113 in (2 877 mm)	127 in (3 235 mm)	149 inch (3 790 mm)

Data is subject to confirmation by the manufacturer.