

Wirth TPK 2200 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 2200 hp mud pumps are designed for circulating drilling fluid under high pressure (up to 10 000 psi) down the drill string to support especially deep drilling operations.

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
- 10-20 % 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

Additional Options

- 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)
- Early detection of critical failures maximizes uptime
- 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 2200 AC-RB-10k	TPK 2200 AC-RG	TPK 2200 DC-RB
Typical application		Land, mud circulation for deep drilling		
Discharge flow, max.		885 gpm (200.88 m ³ /h)		
Operating pressure, max.		10 000 psi (690 bar)	7 500 psi (517 bar)	
Standard main motor(s)		Double AC, forced ventilated	Single AC	Double DC, forced ventilated
Standard drive configuration		Rear mounted, belt drive, dual sided	Top mounted, gear drive	Rear mounted, belt drive, dual sided
Dry weight		111 554 lbs (50 600 kg)	101 850 lbs (46 200 kg)	109 350 lbs (49 600 kg)
Dimensions	Length	276 in (7 009 mm)	276 in (7 011 mm)	280 in (7 113 mm)
	Width	125 in (3 171 mm)	118 in (3 018 mm)	125 in (3 171 mm)
	Height	144 in (3 645 mm)	144 in (3 645 mm)	144 in (3 645 mm)

Data is subject to confirmation by the manufacturer.