

Wirth TPK 1000 Mud Pumps

For onshore or offshore applications

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

Product description

The 1000 hp mud pumps are designed to circulate drilling fluid under high pressure (up to 5,000 psi) down the drill string to support any project requirements onshore or offshore.

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 onshore and offshore rig requirements. The mud pumps are accredited in accordance with API-7K.

Benefits

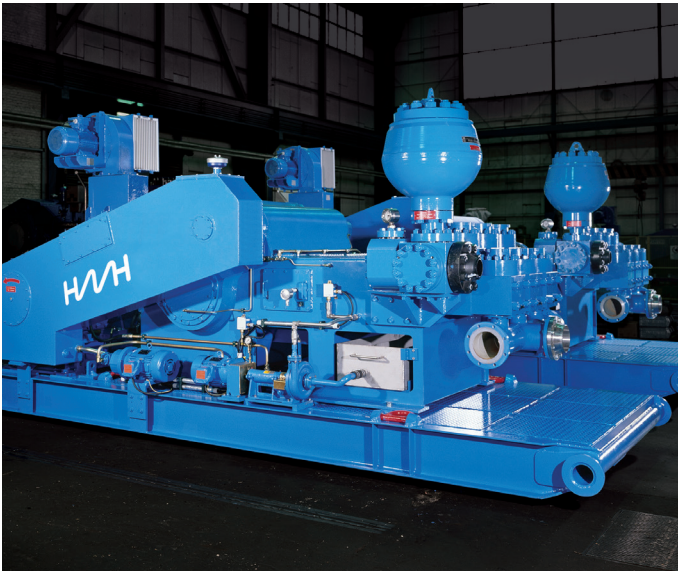
- Large variety of drives, motor and skid configurations to meet your needs for onshore or offshore projects
- Lowest Total Costs of Ownership of all OEMs with:
 - Hydraulic quick release system for fluid ends
 - Durable consumables and spare parts
 - Reduced wear and tear due to high quality equipment design and production processes

Additional Options

- 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
- Third party certifications such as ABS and DNV possible
- Mud pump control system with HMI using a red dot system indicating visually faulty devices and guiding the user. Control via DCMS software and/or operator chair provides high flexibility and a local panel at the pump allows for easy maintenance handling



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Technical specifications

The table below is a selection of typical variants.

		TPK 1000-AC-TC-WJ	TPK 1000-DC-RC-FV or TPK 1000-AC-RC-FV	TPK 1000-CAT
Typical application		Offshore, mud circulation or water injection for jackups, tender barges/tender semi-subs and fixed platforms	Onshore, normal duty mud circulation	Onshore, normal duty mud circulation without external electric power supply
Discharge flow, max.		730 gpm (165 m ³ /h)		
Operating pressure, max.		5,000 psi (345 bar)		
Standard main motor		Single AC, water jacket	Single AC or single DC, forced ventilated	Single diesel engine
Standard drive configuration		Top mounted chain drive	Rear mounted chain drive	Rear mounted direct driven by engine
Dry weight		50,706 lbs (23,000 kg)	58,202 lbs (26,400 kg)	43,211 lbs (w/o drive) (19,600 kg)
Dimensions	Length	167 in (4,250 mm)	260 in (6,600 mm)	194 in (w/o drive) (4,920 mm)
	Width	103 in (2,620 mm)	100 in (2,530 mm)	91 in (w/o drive) (2,300 mm)
	Height	116 in (2,950 mm)	148 in (3,750 mm)	148 in (w/o drive) (3,750 mm)

Data is subject to confirmation by the manufacturer.

