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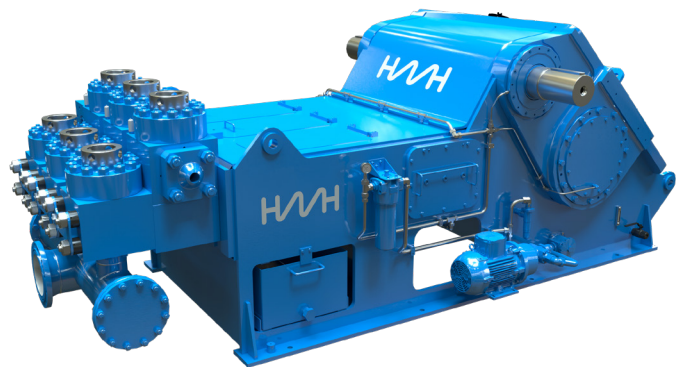
Wirth™ TPK 2000E Mud Pumps For Onshore Applications

HMH's new TPK 2000E high-performance triplex mud pump for demanding onshore drilling environments combines high flow rates with reliable, low-maintenance operation. With its modular design, it can easily be integrated into existing rigs.

Product Description

The new Wirth™ TPK 2000E is available in 8,500 psi and 10,000 psi configurations, with 8,500 psi units upgradeable to 10,000 psi. It is optimized for drilling operations with longer laterals and increased pressures. Delivering increased flow rates at moderate rpm reduces mechanical stress and wear on drive-train components. Its long-stroke power-end reduces load reversals and mechanical stress, increasing lifetime and minimizing downtime.

With a proven HMH design, backed by 120+ years mud pump experience, the new Wirth™ TPK 2000E delivers dependable performance in modern high-pressure drilling operations.



Benefits

- Compact design
- Stable continuous operation with low vibration and noise reducing wear
- Efficient pumping performance at moderate rpm, decreasing wear on key components and operating costs
- No shimming needed thanks to highly-precise manufacturing
- Upgradeable to 10,000 psi for high-pressure applications
- Simple integration into existing rigs due to modular configuration.

Key Features

- Max. operating pressure: 8,500 psi, optional 10,000 psi (Upgrade kit)
- Max flow: 964 gpm
- Max. strokes per minute: 140
- Stroke length: 12"
- Piston diameter: 7½"
- In compliance with API 7K

Optional Features

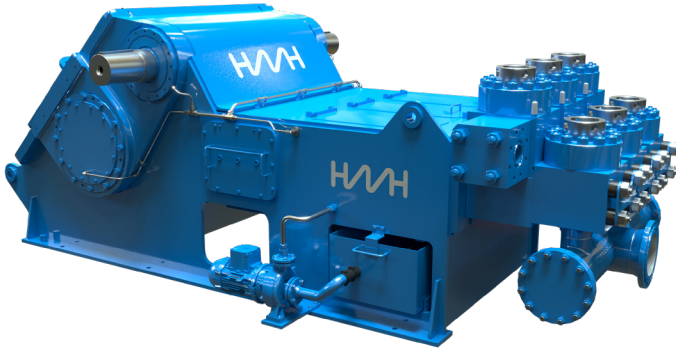
- Instrumentation package
- Hydraulic Quick Release System
- Suction stabilizer inline
- Cooler for liner spray system
- Oil cooler or oil heater
- Pressure Manifold with Discharge Strainer Cross
- Discharge Pulsation Dampener
- Pressure gauge, scaled up to 10,000 psi
- Safety relief valve 3" according DNVGL OS-101
- Maintenance Hoist SWL 1000 kg (SWL 2200 lb)
- Hydraulic Valve Seat removal kit

Further options available upon request



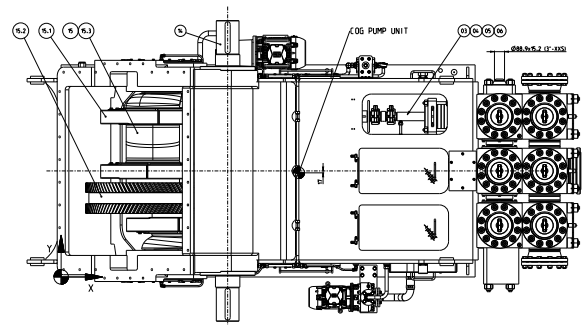
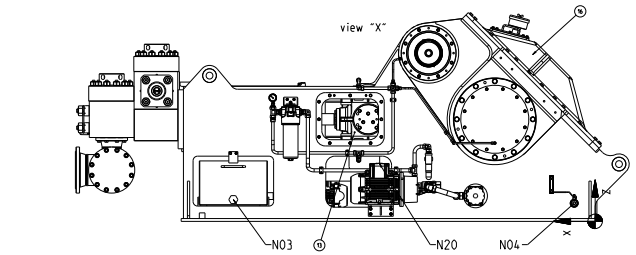
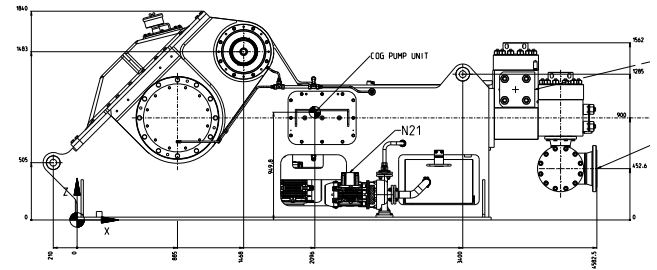
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Wirth™ TPK 2000E Mud Pumps For Onshore Applications



Technical Specifications

Wirth™ TPK 2000 E Mud Pumps	
Typical application	Land
Discharge flow, max.	964 gpm (3,649 l/min)
Operating pressure, max.	8,500 psi (586 bar) 10,000 psi/690 bar with upgrade kit
Standard drive configuration	Rear mounted
Dry Weight	48,282 lbs (21,500 kg)
Length	192 in (4,872 mm)
Width	74 in (1,870 mm)
Height	76 in (1,915 mm)



Performance Chart

Liner size		inch	7 1/2	7	6 1/2	6	5	4 1/2
		mm	190,5	177,8	165,1	152,4	127,0	114,3
Volume per stroke		US liq. gal.	6,89	6,00	5,17	4,41	3,06	2,48
		l	26,06	22,70	19,58	16,68	11,58	9,38
Pump Speed	Max. input power							
spm	kW	hp						
140	1761	2362	964	840	724	617	428	347
			3649	3178	2741	2335	1622	1314
120	1510	2025	826	720	621	529	367	297
			3127	2724	2349	2002	1390	1126

