

UNIVERSAL HDD

HORIZONTAL DIRECTIONAL DRILLING MACHINES, TOOLS AND EQUIPMENT

Distributed by



UNI 45x60
UNI 60x70

The main console is engineered to offer full control and comfort during utilization of the unit. All essential controls and monitoring equipment are located on the console to allow for easy and effortless operation. Furthermore, placement of the console gives operator high visibility of all crucial components necessary for exploitation of the directional drilling machine.



Main Console

UNI 60x70 comes with on-board mud pump. This drilling fluid management unit supplies the drill with quality and stable mud during the operational cycle. The built in mud pump reduces transportation problems and increases maneuverability of the horizontal drilling machine. The drilling fluid management system delivers 150 g/pm @ 1,200 psi.



Mud Pump

The wrench system is outfitted with wide and durable jaws that provide powerful surface grip with a pipe. This heavy-duty system is engineered to increase and extend the life of the jaws, while providing high visibility during exploitation of the directional drilling machine.



Wrench System

Double back stakedown system provides additional stability during drilling process. The stakedown system raises the machine and shifts the the pressure point to the front of the rig. The drill can be also equipped with optional single stakedown system.

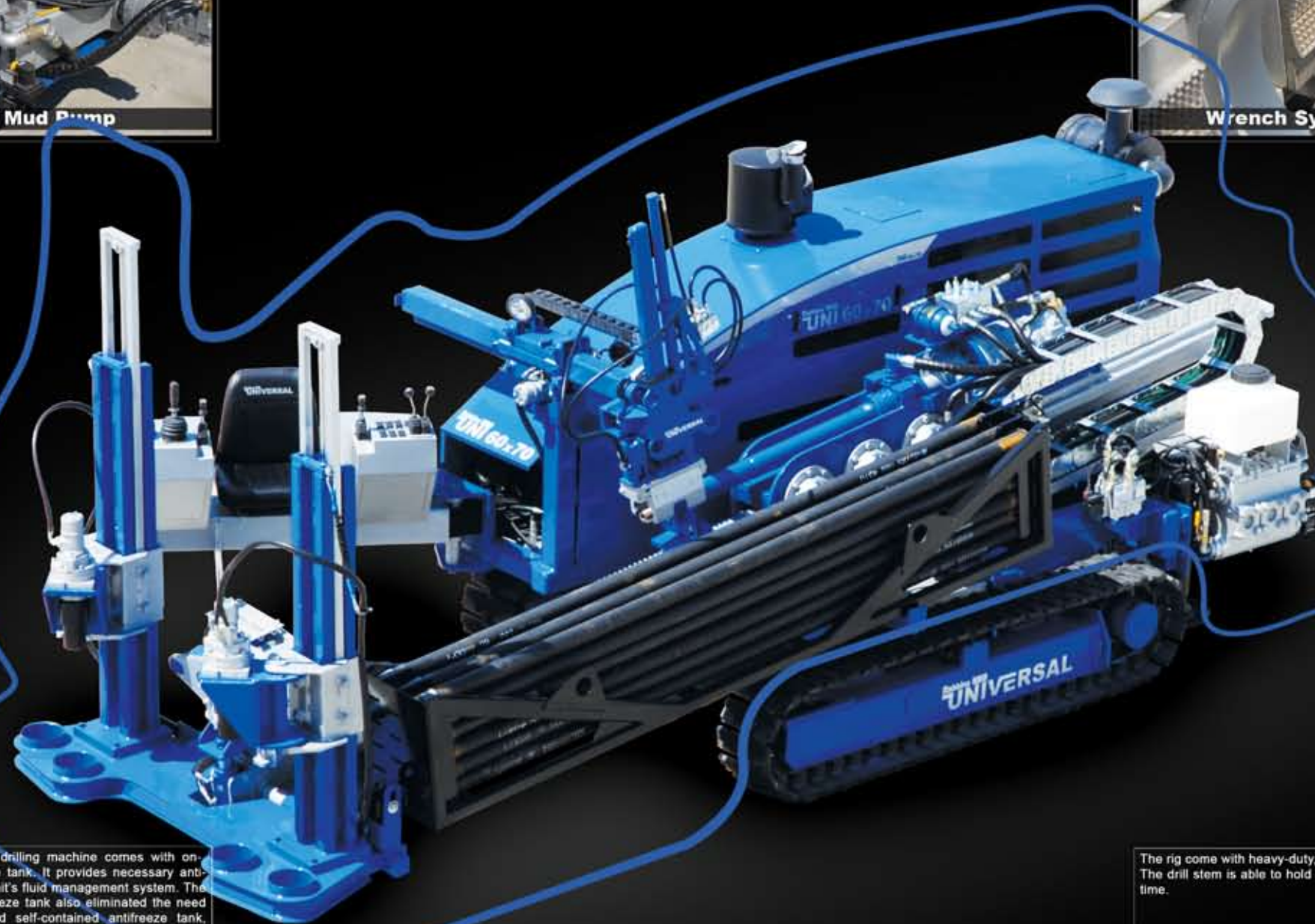


Back Stakedown System

With simple control by the operator, the rod loader system effortlessly loads drill pipes in rapid succession. The system can be easily accessed for maintenance and monitored.



Rod Loader



Recently patented technology allows for a complete control of a drill stem during the working cycle. Unlike similar technologies utilized by other companies, Robbins HDD's Active Centralizing Technology (ACT) offers fully adjustable centralizer. With ACT, the drill pipe can be effortlessly leveled, which in terms reduces down time and unnecessary manpower.



Active Centralizer

This heavy-duty tracks provide high traction control and maneuverability of the directional drilling machine practical on any surface.



Tracks

The directional drilling machine comes with on-board antifreeze tank. It provides necessary antifreeze for the unit's fluid management system. The on-board antifreeze tank also eliminated the need for external and self-contained antifreeze tank, which in terms allows the machine move freely.



Antifreeze Tank

The rig come with heavy-duty, removable drill stem. The drill stem is able to hold up to 32 pipes at one time.



Drill Stem

The Double Rack & Pinion is designed to generate maximum truth and pullback force, while at the same time providing high reliability and minimal maintenance.



Double Rack & Pinion

SPECIFICATIONS

UNI 60x70

UNI 45x60

OPERATION	U.S.	Metric	U.S.	Metric
	MAX THRUST MAX TORQUE CARRIAGE DRIVE	60,000 LB 7,000 LB 2x RACK & PINION	267 KN 31.1 KN 2x RACK & PINION	45,000 LB 6,000 LB 2x RACK & PINION
DRILLING FLUID SYSTEM				
PRESSURE FLOW	150 GPM 1500 PSI	568 L/MIN 103.5 BAR	100 GPM 1500 PSI	378 L/MIN 103.5 BAR
ENGINE				
MANUFACTURER INJECTION FUEL CYLINDERS GROSS POWER	JOHN DEERE DIRECT DIESEL 4 170 HP	JOHN DEERE DIRECT DIESEL 4 126.8 KW	JOHN DEERE DIRECT DIESEL 4 155 HP	JOHN DEERE DIRECT DIESEL 4 115.6 KW
DRILL STEM				
LENGTH	10 FT	3 M	10 FT	3 M
DIMENSIONS				
HEIGHT WIDTH LENGTH	107 INCH 86 INCH 254 INCH	271 CM 218 CM 645 CM	107 INCH 86 INCH 254 INCH	271 CM 218 CM 645 CM

Universal HDD is underground drilling equipment designer and builder specializing in horizontal directional drills, fluid management systems, drilling accessories, and supplies. We work with our customers to the extent they desire, having the capability to complete all facets of industrial drilling machinery equipment. From concept to design, from assembly to installation, Universal HDD is your best source for new and used directional drills, mud mixing systems, reamers, drill pipes, location systems, mud supplies, wear parts and more!

Universal HDD is an energetic and aggressive company that is continually learning and updating our skills as technology and industry expands. From manufacturing horizontal directional drills to complete drilling systems, Universal HDD has the technology and the people to bring it all together for you. Call us today for more information on our product line, refurbishing and system integration services!

With leading position in engineering and production of custom horizontal directional drills and equipment, we are continuing our growth strategy with the new models and product lines at the new state of the art facility. The great demand from the global market of our equipment, our old Ohio facility has reached the limit of its capacity with regards to the production capacities and technological innovation. It was therefore clear that it would not be possible to continue expanding our product line in Ohio. A new production site which would meet the requirements of the brand name Universal HDD had to be found. For Universal HDD the philosophy of creating highest quality equipment and services is not enough. We must continue to push the limits of the industry. In our new home we prove that we have done so since the opening in the year 2006.

The new assembly plant incorporates the latest advances in construction equipment manufacturing as it aims to meet customer needs and expectations. Modern, modular manufacturing allows flexible, demand-orientated equipment production. In close collaboration with well-established service providers, the production process can be dynamically adapted at any time to meet current requirements.

Like any other Universal HDD production, we have to come up to the highest possible quality requirements. For us fulfilling the obligation to provide the best possible quality means producing equipment without any defects throughout all stages of production. The individual employees are responsible for eliminating defects where they arise or where they are discovered. Prior to its delivery each product is tested thoroughly. You can see just how much value we place on quality in our final quality check.

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