

UNIVERSAL HDD

HORIZONTAL DIRECTIONAL DRILLING MACHINES, TOOLS AND EQUIPMENT

Distributed by



UNI 90x120
UNI 120x180
UNI 160x240

The cabin 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.



Cabin

UNI 120x240 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 300 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 pressure point to the front of the rig. The drill can be also equipped with optional single stakedown system.



Back Stakedown System

All Robbins HDD high performance class rigs feature Ferrari cranes. Light weight, small size, reliability, and high performance make it the ideal crane for horizontal direction drill. The crane is incorporated into the front portion of the drill, which makes loading and unloading drill stems easy.



Crane



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. The tracks can maintain high performance in rough, rocky or muddy conditions, while applying drastically reduced surface pressure.



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



Double Rack & Pinion

Enjoy the full benefits of the climate control system. It offers increased comfort and usability for the operator during harsh climates. With the touch of a button, operator can select desired temperature.



Climate Control System

SPECIFICATIONS

UNI 90x120

UNI 120x180

UNI 160x240

OPERATION	UNI 90x120		UNI 120x180		UNI 160x240	
	U.S.	Metric	U.S.	Metric	U.S.	Metric
MAX THRUST	90,000 LB	401 KN	120,000 LB	534 KN	160,000 LB	712 KN
MAX TORQUE	18,000 LB	53.4 KN	18,000 LB	80.1 KN	24,000 LB	107 KN
CARRIAGE DRIVE	2X RACK & PINION	2X RACK & PINION	2X RACK & PINION	2X RACK & PINION	2X RACK & PINION	2X RACK & PINION
DRILLING FLUID SYSTEM						
PRESSURE	250 GPM	946 L/MIN	300 GPM	1136 L/MIN	325 GPM	1230 L/MIN
FLOW	1500 PSI	103.5 BAR	1500 PSI	103.5 BAR	1500 PSI	103.5 BAR
ENGINE						
MUANUFACTURER	JOHN DEERE	JOHN DEERE	JOHN DEERE	JOHN DEERE	JOHN DEERE	JOHN DEERE
INJECTION	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
FUEL	DIESEL	DIESEL	DIESEL	DIESEL	DIESEL	DIESEL
CYLINDERS	4	4	4	4	4	4
GROSS POWER	250 HP	186.4 KW	325 HP	242.6 KW	325/375 HP	242.3/279.6 KW
DRILL STEM						
LENGTH	15/20 FT	4.6/6.1 M	15/20 FT	4.6/6.1 M	15/20 FT	4.6/6.1 M
DIMENTIONS						
HEIGHT	111 INCH	281 CM	111 INCH	281 CM	111 INCH	281 CM
WIDTH	94 INCH	238 CM	98 INCH	248 CM	98 INCH	248 CM
LENGTH	345 INCH	876 CM	360 INCH	914 CM	360 INCH	914 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.

All illustrations contained in this brochure are based on the latest product information available at the time of printing. Robbins HDD reserves the right to make changes at any time, without notice, in materials, equipment, components, specifications and models. Some drills pictured may contain non-U.S. equipment. Some models may be shown with optional equipment. While Robbins HDD makes diligent efforts to provide accurate information in this brochure, there is no guarantee or warranty of accuracy. This brochure shall not be used or relied upon as substitute for information that is available from your Robbins HDD center. Further information can be obtained from your authorized Robbins HDD dealer or www.robins-hdd.com.



ADG GLOBAL SUPPLY - AUSTRALIA DISTRIBUTOR
17 OXLEIGH DRIVE MALAGA WA 6090

TEL: (+61) 08 9249 7599
FAX: (+61) 08 9249 7699
EMAIL: INFO@ADGGLOBALSUPPLY.COM
WEB: WWW.ADGGLOBALSUPPLY.COM

© 2007 Robbins HDD, LLC. Not be reproduced wholly or in part without written permission of Robbins HDD. The Robbins HDD name and logo are registered trademark.