

DD-660RS

MAXI-RIG DIRECTIONAL DRILL



FEATURES & BENEFITS

IMPROVED MOBILITY

The DD-660RS and its rapid setup system will eliminate downtime associated with early job set up by allowing you to get the machine up and running faster. The rig is also fit with a railed stairway for easier wireline connectors and an optional pipe loader attachment that can be compactly stored on the machine for easier travel.

INCREASED CONTROL

Innovative rack and pinion drive is equipped with an adjustable force limiter allowing for more control of drilling power and a hydraulically adjustable pipe support ensures your pipe joints are always in the right position.

INTUITIVE TELEMATICS

Equipped with PinPoint® telematics and the latest in HDD technology, the DD-660RS delivers more precise monitoring and support.

EFFICIENT PERFORMANCE

The DD-660RS is fit with wrenches that travel the full length of the thrust frame, helping assist stubborn tool joints. The rig's Dual Power Pack and Run On One Technology System (ROOTS) allows the machine to be operated in one of several different power configurations from simultaneous operation to single power pack operation and more. ROOTS helps you to match your power to your conditions and reduce fuel costs during your pilot bore.

DD-660RS

SPECIFICATIONS

| POWER TRAIN | U.S. | METRIC |
|-----------------------------------|---|---------|
| Engine | Cummins QSX15 Tier 4 Final (or Tier 3 depending on country of purchase) | |
| Manufacturer's gross power rating | 600 hp | 447 kW |
| Fuel capacity | 650 gal | 2,460 L |
| Hydraulic filter | 6 Micron ABS | |
| Battery | 2 Deka 908DMF, 24V, 1450 CCA | |

CARRIAGE SYSTEM

| | | |
|---------------------|--|------------|
| Carriage system | 4 Pinion drive w/ adjustable force limiter | |
| Thrust/pullback | 660,000 lb | 300 Tonnes |
| Carriage speed, max | 107 ft/min | 33 m/min |
| Carriage motors | 4 Radial piston / dual displacement | |
| Carriage brakes | 2 Only on carriage | |
| Gearbox | 4 Planetary gearboxes | |
| Hydraulic pump | 4 Piston pump, closed loop | |

ROTARY DRIVE

| | | |
|--------------------|---|-------------|
| Rotary system | 4 Pinion and gear drive with infinitely variable torque | |
| Rotary torque, max | 80,000 ft-lb | 108,460 Nm |
| Rotary speed, max | 90 rpm | |
| Fluid course | 3.5 in | 88.9 mm |
| Flow, max | 1,000 gal/min | 3,785 L/min |
| Pressure, max | 1,500 psi | 103 bar |

WRENCH

| | | |
|----------------------|---------------|------------|
| Clamp/grip range | 3.5-10.5 in | 89-267 mm |
| Breakout torque, max | 210,000 ft-lb | 285,000 Nm |
| Makeup torque, max | 100,183 ft-lb | 135,252 Nm |

DRILL RIG

| | | |
|-------------|--------------------------------------|-------|
| Drill pipe | Range II - 30 ft | 9.1 m |
| Drill angle | 10-18° | |
| Cabin | 8 x 12 ft skid (8 x 20 ft available) | |

DIMENSIONS

| | | |
|--------|----------|--------|
| Length | 64.42 ft | 19.5 m |
| Width | 8.16 ft | 2.5 m |
| Height | 11.5 ft | 3.68 m |

Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.

