

# DD-1100RS

## MAXI-RIG DIRECTIONAL DRILL



### FEATURES & BENEFITS

#### IMPROVED MOBILITY

The DD-1100RS 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 safer 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-1100RS delivers more precise monitoring and support.

#### EFFICIENT PERFORMANCE

The DD-1100RS 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-1100RS

## SPECIFICATIONS

### POWER TRAIN

	U.S.	METRIC
Engine	Caterpillar® C-18 Tier 4 Final or Tier 3 diesel (depending on country of purchase)	
Manufacturer's gross power rating	755 hp	570 kW
Fuel capacity	650 gal	2,460 L
Hydraulic capacity	220 gal	833 L
Hydraulic filter	High pressure filtration to 6 Micron ABS	

### CARRIAGE SYSTEM

Carriage system	6 Pinion and gear with adjustable force limiter	
Thrust/pullback	1,100,000 lb	500 Tonnes
Carriage speed, max	105 ft/min	32 m/min
Carriage motors	6 1017 cc variable displacement	
Gearbox	6 Planetary drives	

### ROTARY DRIVE

Rotary system	4 Pinion and gear drive with infinitely variable torque	
Rotary torque, max	100,000 ft-lb	135,600 Nm
Rotary speed, max	75 rpm	
Rotary motor	4 160cc, axial piston, variable displacement	
Rotary brakes	4 Spring-applied / hydraulic release	
Fluid course	4 in	102 mm
Flow, max	1,000 gal/min	3,785 L/min
Pressure, max	1,500 psi	103 bar
Slip spindle	8.625 in	219 mm

### WRENCH

Clamp/grip range	3.5-10.5 in	89-267 mm
Breakout torque, max	220,000 ft-lb	298,000 Nm
Makeup torque, max	150,000 ft-lb	203,000 Nm

### DRILL RIG

Drill pipe	Range II - 34 ft	10.4 m
Drill angle	10-18°	

### WEIGHT

Total weight	112,580 lb	51,065 kg
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### DIMENSIONS

Length	64.83 ft	19.5 m
Width	8.16 ft	2.5 m
Height	11.86 ft	3.6 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.

