

# DD-440T

## MAXI-RIG DIRECTIONAL DRILL



### FEATURES & BENEFITS

#### **RELIABLE PERFORMANCE**

Backed by a proven track record of performance and American Augers' engineering, it's sure to give you maximum uptime and reliable power.

#### **INCREASED CONTROL**

Wiggle Steer® System allows the operator to rotate the drill pipe, and cutting head, back and forth over a predetermined range. This back-and-forth motion will create a wider hole, helping to facilitate easier steering of the drilling pipe. Innovative rack and pinion drive is fit with an adjustable force limiter allowing for more control of drilling power. DD-440T also comes equipped with a wireless ground drive control that allows the operator to set the unit up without being contained to one area.

#### **INDUSTRY STANDARD**

With a long tradition of successful jobs, the DD440T has earned its reputation as the standard-bearer for maxi HDD rigs across the industry.

#### **MAXIMUM UPTIME**

Full-length traveling wrenches help assist stubborn tool joints and allow operator to pull tooling up on the drill frame—traveling wrenches also come with an added hose carrier. Optional 80,000 ft·lbs of rotary torque helps you push through tough ground conditions with ease.

#### **QUIET-PAK® ENGINE ENCLOSURE**

Innovative engine enclosure reduces dBs for quieter operation. Lets contractors work across more jobs without worrying about noise ordinances or regulations.

#### **INTUITIVE TELEMATICS**

Equipped with PinPoint® telematics and the latest in HDD technology, the DD-440T delivers more precise monitoring and support.



# DD-440T

## 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	160 gal	605 L
Hydraulic capacity	200 gal	757 L
Battery	2 Deka 908DMF, 24V, 1450 CCA	
Travel speed, forward/backward	0.71-1.38 mph	1.14-2.22 kph

### CARRIAGE SYSTEM

Carriage system	2 Pinion drive w/ adjustable force limiter	
Thrust/pullback	440,000 lb	201 tonnes
Carriage speed, max	95 ft-min	29 m/min
Carriage motors	2 Radial piston / dual displacement	
Carriage brakes	2 Spring-applied / hydraulic release	
Gearbox	2 Planetary gearboxes	

### ROTARY DRIVE

Rotary system	3 Pinion and gear drive w/ infinitely variable torque	
Rotary torque, max	60,000 ft-lb	80,000 Nm
Rotary speed, max	97 rpm	
Rotary motor	3 Axial piston variable	
Rotary brakes	2 Spring-applied / hydraulic release	
Fluid course	3.5 in	88.9 mm
Flow, max	825 gal/min	3,122 L/min
Pressure, max	1,500 psi	103 bar
Side-entry sub	6.625 in FH x 4.5 in IF	168.3 mm x 114.3 mm
Slip spindle	6.625 in	16.8 mm
Misc	Wireline commutator, slip ring, Wiggle Steer®, adjustable torque limiter, digital tachometer	

### WRENCH

Wrench design	Closed top	
Clamp/grip range	3-11.75 in	76-298 mm
Breakout torque, max	230,000 ft-lb	311,839 Nm
Makeup torque, max	152,000 ft-lb	206,084 Nm

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.

DRILL RIG	U.S.	METRIC
Drill pipe	Range II	
Drill angle	10-18°	
Cabin	Detached	

### DRILL PIPE

Outside tube diameter	5.5-6.625 in	139.7-168.3 mm
Tool joint outside diameter	7.5-8.625 in	190.5-219.1 mm
Thread type	API-IF	API-IF
Fluid course	3.5 in	88.9 mm

### WEIGHT

Total weight	98,060 lb	44,479 kg
Transport, w/out wrenches	90,260 lb	40,941 kg

### DIMENSIONS

Length	50.75 ft	15.47 m
Width	8.16 ft	2.51 m
Height	11.83 ft	3.61 m

