

DD-110

DIRECTIONAL DRILL



FEATURES & BENEFITS

POWER & EFFICIENCY

Improved rotary hydraulics provide more power to the rotary spindle—using less engine horsepower in the process. The hydraulic rotation motor also increases rotary torque to an impressive 15,000 foot-pounds of strength.

INCREASED CONTROL

Equipped with dual joystick controls that include function switches, allowing the operator to keep their hands on the controls and operate drill functions at the same time. Also comes with a wireless ground drive control that allows the operator to walk anywhere along the jobsite and control machine positioning.

QUIET-PAK® ENGINE ENCLOSURE

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

OPTIMIZED OPERATOR'S STATION

Station is designed with an articulated cabin that allows the operator to adjust positioning for the best possible view of machine functions. Cab is also equipped with heat, air conditioning, and sliding windows for greater comfort across long hours and tough weather conditions.

EASIER TRANSPORT

Weight-conscious package eliminates the need for specialized transportation and does not require additional permits to mobilize.

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SPECIFICATIONS

POWER TRAIN	U.S.	METRIC
Engine	Cummins® QS5B6.7 Tier 4 final (or Tier 3 depending on country of purchase)	
Manufacturer's gross power rating	260 HP @ 2,200 RPM	164 kW
Fuel capacity	81 gal	306 L
Hydraulic capacity	107 gal	405 L
Battery	2 Deka 908DMF 12 V, 1450 CCA - 24 V System	
Travel speed, forward/backward	2.25 mph	3.62 kph

CARRIAGE SYSTEM

Carriage system	4 Pinion drive w/ adjustable force limiter	
Thrust/pullback	110,000 lb	50 tonnes
Carriage speed	170 ft/min	52 m/min
Carriage motors	4 Radial piston / dual displacement	
Carriage brakes	2 Spring-applied / hydraulic release	
Gearbox	4 Planetary gearboxes	

ROTARY DRIVE

Rotary system	1 Pinion and gear drive w/ infinitely variable torque	
Rotary torque, max	15,000 ft-lb	20,337 Nm
Rotary speed, max	150 rpm	
Rotary motor	1 Radial piston variable displacement	
Rotary brakes	1 Spring-applied / hydraulic release	
Rotary gearbox	1 Planetary drive	
Fluid course	2 in	50 mm
Flow, max	250 gpm	945 L/min
Pressure, max	1,500 psi	103 bar
Side-entry sub	2.875 in IF	73 mm IF
Slip spindle	2.875 in IF	73 mm IF
Misc.	Wireline commutator, slip ring, Wiggle Steer®, adjustable torque limiter, digital tachometer	

WRENCH

Wrench design	Open-top style	
Clamp/grip range	2.875-4.125 in	73-105 mm
Breakout torque, max	32,000 ft-lb	43,390 Nm
Makeup torque, max	26,000 ft-lb	35,250 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 length	20 ft	6.1 m
Drill angle	10-18°	
Cabin	Onboard, articulated	
Pipe onboard	9	
Working	2	
Transport	1	

DRILL PIPE

Outside tube diameter	3.5 in	89 mm
Tool joint outside diameter	4.125 in	105 mm
Thread type	2.875 in	73 mm
Fluid course	1.5 in	44.5 mm
Drill pipe, per pipe	358 lb	162.4 kg

PUMP

Pump	Triplex piston pump	
Flow, max	200 gpm	757 L/min
Pressure, max	1,100 psi	75.8 bar
Self-propelled, wireless control		
Work lights (5)	24 volt	

WEIGHT

Transport	47,074 lb	19,051 kg
Accessory crate	1,300 lb	590 kg
Working	51,074 lb	23,167 kg

DIMENSIONS

Length	35.58 ft	10.84 m
Width	8.16 ft	2.49 m
Height	9.41 ft	2.87 m
Track width	2 in	2.5 m

