

# JT25 DIRECTIONAL DRILL

## OPERATION

	U.S.	METRIC
Spindle speed, max	220 rpm	
Spindle torque, max	4,000 ft-lb	5420 N-m
Carriage thrust travel speed	182 fpm	55 m/min
Carriage pullback travel speed	190 fpm	58 m/min
Thrust force	27,000 lb	120 kN
Pullback force	27,000 lb	120 kN
Ground travel speed		
Forward	2.8 mph	4.6 km/h
Reverse	2.8 mph	4.6 km/h

## POWER

Engine	Cummins® QSB4.5	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged & charge air cooled	
Number of cylinders	4	
Displacement	275 in <sup>3</sup>	4.5 L
Bore	4.21 in	107 mm
Stroke	4.88 in	124 mm
Gross horsepower Tier 3/Tier 4	130 hp	97 kW
Rated speed Tier 3/Tier 4	2,500 rpm	
Emissions compliance Tier 3	EPA Tier 3	EU Stage IIIA
Emissions compliance Tier 4	EPA Tier 4	EU Stage IV

## DIMENSIONS (\*FULL RACK, 55 PIPE)

Transport length	232.5 in	5.9 m
Width	87 in	2.21 m
Width w/cab	87 in	2.21 m
Transport height	93 in	2.36 m
Transport height w/cab	99.5 in	2.53 m
Weight	20,760 lb	9417 kg
Weight w/cab	21,360 lb	9689 kg
Ground clearance	5.7 in	145 mm
Entry angle	9-20°	
Entry angle, tracks on ground	9-17°	

## DRILLING FLUID SYSTEM (ON BOARD)

Pressure, max	1,200 psi	83 bar
Flow, max	50 gpm	189 l/min

## FLUID CAPACITIES

	U.S.	METRIC
Fuel tank	48 gal	182 L
Engine lubrication oil w/filter	13.7 qt	13 L
Hydraulic reservoir	27 gal	102 L
Engine cooling system	24 qt	22.7 L
Antifreeze tank	8 gal	30 L
Diesel exhaust fluid tank	5 gal	18.9 L

## POWER PIPE® HD

Length	118 in	3 m
Joint diameter	2.75 in	70 mm
Pipe diameter	2.38 in	60 mm
Bend radius, min	123 ft	37.5 m
Weight of drill pipe, lined	88 lb	40 kg
Weight of lined drill pipe & large box (55 pipe)	5,647 lb	2562 kg
Weight of lined drill pipe & small box (25 pipe)	2,770 lb	1154 kg

## POWER PIPE FORGED HD

Length	120 in	3.05 m
Joint diameter	2.75 in	70 mm
Pipe diameter	2.38 in	60 mm
Bend radius, min	123 ft	37.5 m
Weight per drill pipe, forged	73 lb	33 kg
Weight w/drill pipe & large box (55 pipe)	4,522 lb	2187 kg
Weight w/drill pipe & small box (25 pipe)	2,395 lb	1086 kg

## POWER PIPE FORGED HDX

Length	120 in	3.05 m
Joint diameter	2.63 in	66.7 mm
Pipe diameter	2.38 in	60 mm
Bend radius, min	123 ft	37.5 m
Weight per drill pipe, forged	73 lb	33 kg
Weight w/drill pipe & large box (55 pipe)	4,522 lb	2187 kg
Weight w/drill pipe & small box (25 pipe)	2,395 lb	1086 kg

## BATTERY (2 USED)

SAE reserve capacity rating	195 min
SAE cold crank rating @ 0°F (-18°F)	950 amps

## NOISE LEVEL

Operator sound	86 dBA
Operator sound w/cab	80 dBA
Exterior sound power	104 dBA

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.