





You asked for a drill that tackles the toughest conditions, from solid rock to cobble and hard dirt. You wanted a compact design to operate in the tightest spots. You needed a patented, inner-rod design to save you time, and a mechanical drive to save you money on drilling fluid and transporting water.

We delivered it all, and much more, with the Ditch Witch® JT30 All Terrain Horizontal Directional Drill.

WE'RE IN THIS TOGETHER.





DON'T LET A LITTLE THING LIKE ROCK SLOW YOU DOWN.



A comfortable operator is a more productive operator, which is why we've equipped the JT30 All Terrain Horizontal Directional Drill operator's station with a cutting-edge design. It features:

- Open-top vise wrenches are angled toward the operator for an excellent view of the tool joint when making up and breaking out pipe.
- Industry-exclusive, double-pivot drill frame allows steep entry angles without raising the tracks off the ground; enhances operator comfort because operator's station stays level.
- Optional cab features climate-controlled heat and air, for greater operator comfort and productivity.
- Operator's station features intuitive joystick that controls all drilling functions, ergonomic seat, color LCD engine display, and an excellent view of all drill functions.

JT30 ALL TERRAIN HORIZONTAL DIRECTIONAL DRILL SPECIFICATIONS

Spinick speed, max		U.S.	METRIC		11.0	METRIC
Sprindle speed, max A 225 pm Sprindle speed, max A A A A A A A A A		0.3.	METRIC		U.S.	METRIC
Spanish torque, max (AT inner spindle)		005			1.500	100.1
Spinde torque, max		•				
Syndict borque, max (AT imer sportley)		· .	5400 N		50 gpm	189 I/min
Carriage nullback travel speed 120 fpm 37 m/min Fuel tank 48 gal 182 t 182 t 182 t 182 t 183 t 1		*				
Engine tubrication oil, including filter 13.7 of 13.1				•		
Thirtist force (AT mode)	,				_	
Pullback force So. 00.00 to 133 kN		•				
Bore diameter (AT wiflockmaster 822) 4.75 in 121 mm Bore diameter (AT wiflockmaster 86) 5.5 in 140 mm Forward S.5 in 140 mm Forward S.5 in 140 mm Forward S.5 in 140 mm S.5 km/h Forward S.4 mph S.9 km/h S.4 mph		*				
Bore diameter (AT w/Rockmaster 86) 5.5 in 140 mm		,			_	
Cround travel speed					5 gal	18.9 L
Forward	, , , , , , , , , , , , , , , , , , , ,	5.5 in	140 mm			
Power riter 3 (LRC)	· ·					
POWER (TIER 3) (LRC)						
Figure		2.4 mph	3.9 km/h	•		
Fuel Diesel Diesel Weight of drill ripe and large box, lined (4B pipe) Weight of drill ripe and small box, lined (24 pipe) Weight of drill ripe	POWER (TIER 3) (LRC)			Bend radius	123 ft	37.5 m
Cooling medium	Engine	Cummins® QSB	4.5		88 lb	40 kg
Number of cylinders	Fuel	Diesel			5,323 lb	2415 kg
Injection	Cooling medium	Liquid			2.050.15	1240
Length	Injection	Direct			2,959 lb	1342 kg
Displacement 275 in² 4,5 L Joint diameter 2.63 in 66.7 mm	Aspiration	Turbocharged, o	charge air cooled	POWER PIPE FORGED (FOR DIRT DRILLIN	IG)	
Bore	Number of cylinders	4		Length	120 in	3.05 m
Stroke	Displacement	275 in ³	4.5 L	Joint diameter	2.63 in	66.7 mm
Manufacturer's gross power rating 148 hp 110 kW	Bore	4.21 in	107 mm	Pipe diameter	2.38 in	60 mm
Rated speed	Stroke	4.88 in	124 mm	Bend radius, min	108.2 ft	33 m
Peak gross power @ 2,000 rpm 156 hp 116 kW	Manufacturer's gross power rating	148 hp	110 kW	Weight of drill pipe	73 lb	33 kg
Emissions compliance	Rated speed	2,300 rpm		ALL TERRAIN PIPE		
POWER (TIER 4) Engine Cummins QSB4.5 Fuel Diesel Liquid Liquid Liquid Injection Direct Aspiration Turbocharged, charge air cooled Number of cylinders 4 Displacement 275 in³ 4.5 L Bore 4.21 in 107 mm Stroke 4.88 in 124 mm Stroke As8 in 124 mm Manufacturer's gross power rating Rated speed 2,300 rpm Peak gross power @ 2,200 rpm 163 hp 122 kW Emissions compliance EPA Tier 4 EU Stage IV DIMENSIONS Transport length Width 80 in 2.03 m Weight of drill pipe and large box (20 pipe) Weight of drill pipe, nime 112 in 2.84 m All TERRAIN COBBLE PIPE Length of drill pipe, nominal 112 in 2.84 m Pipe diameter 2,47 lb 1291 kg ALL TERRAIN COBBLE PIPE Length of drill pipe, nominal 112 in 2.84 m Pipe diameter 3.25 in 83 mm ALL TERRAIN COBBLE PIPE Length of drill pipe, nominal 112 in 2.84 m Pipe diameter 3.25 in 83 mm Pipe diameter 4.59 lb 2.847 lb 1291 kg ALL TERRAIN COBBLE PIPE Length of drill pipe, nominal 112 in 2.84 m Pipe diameter 3.26 in 83 mm Pipe diameter 3.27 in 83 mm Pipe diameter 3.26 in 83 mm 4LL TERRAIN COBBLE PIPE Length of drill pipe, nominal 112 in 2.84 m Pipe diameter 3.26 in 83 mm Pipe diameter 3.27 in 83 mm Pipe diameter 3.26 in 83 mm Pipe diameter 3.26 in 83 mm Pipe diameter 3.27 in 83 mm Pipe diameter 3.26 in 83 mm Pipe diameter 3.27 in 83 mm Pipe diameter 3.28 in 84 th 4 m 45 kg Weight of drill pipe, nominal 112 in 2.84 m Pipe diameter 3.29 in 83 mm Pipe diameter 3.29 in 83 m	Peak gross power @ 2,000 rpm	156 hp	116 kW	Length of drill pipe, nominal	112 in	2.84 m
Engine Cummins QSB4.5 Fuel Diesel Cooling medium Liquid Injection Direct Aspiration Turbocharged, charge air cooled Number of cylinders 4 Displacement 275 in³ 4.5 L Bore 4.21 in 107 mm Stroke 4.88 in 124 mm Manufacturer's gross power rating 160 hp 119 kW Rated speed 2,300 rpm Peak gross power @ 2,200 rpm Peak gross power @ 2,200 rpm Peak gross power @ 2,200 rpm Transport length 221 in 5.61 m Width, w/cab 89 in 2.26 m Width, w/cab 89 in 2.39 m Weight, w/cab 18,560 lb 810 kg Weight, w/cab 18,560 lb 810 kg Angle of approach My/cab Angle of approach Angle of approach Angle of approach Angle of approach Aspiration Uidenders 4.44 m Weight of drill pipe, lined 100 lb 45 kg Weight of drill pipe and large box (3,5 pipe) Weight of drill pipe and small box (2.0 pipe) Weight of drill pipe, nominal 112 in 2.84 m Joint clameter 3.25 in 83 mm Pipe diameter 2.94 in 75 mm Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe and large box (3,5 pipe) Weight of drill pipe and large box (3.5 pipe) Weight of drill pipe and large box (3.5 pipe) Weight of drill pipe and large box (3.5 pipe) Weight of drill pipe, nominal 112 in 2.84 m Bend radius, min 445 ft 44 m Weight of drill pipe and small box (2.0 pipe) 2,847 lb 1291 kg All TERRAIN COBBLE PIPE Length of drill pipe, nominal 112 in 2.84 m Weight of drill pipe, nominal 112 in 2.84 m Weight of drill pipe, nominal 112 in 2.84 m Weight of drill pipe, nominal 112 in 2.84 m Weight of drill pipe, nominal 112 in 3.25 in 83 mm Pipe diameter 2.94 in 75 mm Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe, w/inner rod 12	Emissions compliance	EPA Tier 3	EU Stage IIIA	Joint diameter	3.25 in	83 mm
Fuel Diesel Cooling medium Liquid Injection Direct Aspiration Turbocharged, charge air cooled Number of cylinders Displacement Displace	POWER (TIER 4)			Pipe diameter	2.23 in	57 mm
Cooling medium Liquid Injection Direct Aspiration Turbocharged, charge air cooled Number of cylinders 4 Displacement Stroke 4.88 in Stroke 4.88 in 124 mm Manufacturer's gross power rating Manufacturer's gross power at 2,200 rpm Emissions compliance EpA Tier 4 Einsport length Width, w/cab Midth, w/cab 89 in 2.26 m Weight of drill pipe and small box (20 pipe) ALL TERRAIN COBBLE PIPE Length of drill pipe and small box (20 pipe) ALL TERRAIN COBBLE PIPE Length of drill pipe, and small box (20 pipe) ALL TERRAIN COBBLE PIPE Length of drill pipe, and small box (20 pipe) Length of drill pipe and small box (20 pipe) Length of drill pipe and small box (20 pipe) Length of drill pipe and small box (20 pipe) Meight of drill pipe and small box (20 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (20 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (20 pipe) Weight of drill pipe and small box (20 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (35 pipe) Weight of drill pipe and small box (20 pipe) Specifications are general and subject to change without notice. If exact measurements are requipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.	Engine	Cummins QSB4	.5	Bend radius, min	145 ft	44 m
Injection Aspiration Turbocharged, charge air cooled Number of cylinders 4 Displacement Bore 4.21 in Stroke 4.88 in 124 mm Manufacturer's gross power rating Rated speed Peak gross power @ 2,200 rpm Peak gross power @ 2,200 rpm Emissions compliance EPA Tier 4 Width Width 80 in 2.26 m Width, w/cab 89 in 2.26 m Transport height Weight, w/out pipe A,599 ib 2086 kg Weight of drill pipe and small box (35 pipe) Weight of drill pipe, nominal 112 in 2.84 m Joint diameter 3.25 in 83 mm Pipe diameter 2.94 in 75 mm Bend radius, min Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) 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.	Fuel	Diesel		Weight of drill pipe, lined	100 lb	45 kg
Number of cylinders	Cooling medium	Liquid			4,599 lb	2086 kg
Aspiration Turbocharged, charge air cooled Number of cylinders 4 Displacement 275 in³ 4.5 L Bore 4.21 in 107 mm Stroke 4.88 in 124 mm Manufacturer's gross power rating 160 hp 119 kW Rated speed 2,300 rpm Peak gross power @ 2,200 rpm 163 hp 122 kW Emissions compliance EPA Tier 4 EU Stage IV DIMENSIONS Transport length 221 in 5.61 m Width, w/cab 89 in 2.26 m Width, w/cab 89 in 2.26 m Weight, w/out pipe 17,660 lb 8010 kg Weight, w/cab 18,560 lb 8418 kg Entry angle Angle of approach, w/cab 15° Angle of approach, w/cab 15° Number of cylinders 4 4.5 L ALL TERRAIN COBBLE PIPE Length of drill pipe, nominal 112 in 2.84 m Bol of dil pipe, mominal 112 in 2.84 m Bend radius, min 210 ft 64 m Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe and large box (35 pipe) Weight of drill pipe and small box (20 pipe) 3,387 lb 1536 kg Weight of drill pipe and small box (20 pipe) BATTERY Weight of drill pipe and small box (20 pipe) 3,387 lb 1536 kg Weight of drill pipe and small box (20 pipe) 5,544 lb 2515 kg Weight of drill pipe and small box (20 pipe) 5,544 lb 2515 kg Weight of drill pipe and small box (20 pipe) 8 Weight of drill pipe and small box (20 pipe) 5,544 lb 2515 kg Weight of drill pipe and small box (20 pipe) 8 Weight of drill pipe and small box (20 pipe) 5,544 lb 2515 kg Weight of drill pipe and small box (20 pipe) 5,544 lb 2515 kg Weight of drill pipe and small box (20 pipe) 8 Nolse Levet Operator sound 86 dBA Operator sound w/cab 83 dBA	Injection	Direct				
Displacement 275 in³ 4.5 L Bore 4.21 in 107 mm Stroke 4.88 in 124 mm Manufacturer's gross power rating 160 hp 119 kW Rated speed 2,300 rpm Peak gross power @ 2,200 rpm 163 hp 122 kW Emissions compliance EPA Tier 4 EU Stage IV DIMENSIONS Transport length 221 in 5.61 m Width, w/cab 89 in 2.26 m Transport height 94 in 2.39 m Weight, w/out pipe 17,660 lb 8010 kg Weight, w/cab 18,560 lb 8418 kg Entry angle Angle of approach, w/cab 15° Length of drill pipe, nominal 112 in 3.28 d m Joint diameter 3.25 in 83 mm Joint diameter 2.94 in 75 mm Meight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (20 pipe) SAE reserve capacity rating 195 min SAE cold crank rating @ 0°F (-18°C) 950 amps NOISE LEVEL Operator sound 86 dBA Operator sound 86 dBA Operator sound 86 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.	Aspiration	Turbocharged, charge air cooled			2,847 lb	1291 kg
Bore 4.21 in 107 mm Stroke 4.88 in 124 mm Manufacturer's gross power rating 160 hp 119 kW Rated speed 2,300 rpm Peak gross power @ 2,200 rpm 163 hp 122 kW Emissions compliance EPA Tier 4 EU Stage IV DIMENSIONS Transport length 221 in 5.61 m Width, w/cab 89 in 2.26 m Transport height 94 in 2.39 m Weight, w/out pipe 17,660 lb 8010 kg Weight, w/cab 18,560 lb 8418 kg Entry angle Angle of approach Angle of approach, w/cab 15° Jint diameter 3.25 in 83 mm Pipe diameter 2.94 in 75 mm Weight dirill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe and large box (20 pipe) 5,544 lb 2515 kg Weight of drill pipe and small box (20 pipe) SAE reserve capacity rating 195 min SAE cold crank rating @ 0°F (-18°C) 950 amps NOISE LEVEL Operator sound 86 dBA Operator sound w/cab 83 dBA Specifications are general and subject to change without notice. If exact measurements are required, equipment may not necessarily match that shown.	Number of cylinders	4		ALL TERRAIN COBBLE PIPE		
Stroke 4.88 in 124 mm Manufacturer's gross power rating 160 hp 119 kW Rated speed 2,300 rpm Peak gross power @ 2,200 rpm 163 hp 122 kW Emissions compliance EPA Tier 4 EU Stage IV DIMENSIONS Transport length 221 in 5.61 m Width, w/cab 89 in 2.26 m Weight, w/out pipe 17,660 lb 8010 kg Weight, w/cab 18,560 lb 8418 kg Entry angle Angle of approach, w/cab 15° Stroke 4.88 in 124 mm Pipe diameter 2.94 in 75 mm Bend radius, min 210 ft 64 m Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe and large box (35 pipe) Weight of drill pipe and small box (20 pipe) Weight of drill pipe and small box (20 pipe) SAE reserve capacity rating 195 min SAE cold crank rating @ 0°F (-18°C) 950 amps NOISE LEVEL Operator sound 86 dBA Operator sound w/cab 83 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.	Displacement	275 in ³	4.5 L	Length of drill pipe, nominal	112 in	2.84 m
Manufacturer's gross power rating Rated speed 2,300 rpm Peak gross power @ 2,200 rpm 163 hp 122 kW Emissions compliance EPA Tier 4 EU Stage IV DIMENSIONS Transport length Width, w/cab 89 in 2.26 m Transport height 94 in 2.39 m Weight, w/out pipe Weight, w/out pipe 17,660 lb 8010 kg Weight, w/cab 18,560 lb 8418 kg Entry angle Angle of approach Angle of approach Angle of approach Angle of approach, w/cab 120 ft 64 m Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe and large box (35 pipe) Weight of drill pipe and small box (20 pipe) Weight of drill pipe and small box (20 pipe) Weight of drill pipe and small box (20 pipe) Weight of drill pipe and small box (20 pipe) Weight of drill pipe and small box (20 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight drill pipe and large box (35 pipe) Weight drill pipe and large box (35 pipe) Weight drill pipe and large box (35 pipe) Sell and a pipe and large box (35 pipe) Weight drill pipe and large box (35 pipe) Weight drill pipe and large box (35 pipe) Weight drill pipe and small box (20 pipe) SAE cell crank rating @ 0°F (-18°C) 950 amps NOISE LEVEL Operator sound w/cab Specifications are general and subject to change without notice. If exact measur	Bore	4.21 in	107 mm	Joint diameter	3.25 in	83 mm
Rated speed 2,300 rpm Peak gross power @ 2,200 rpm 163 hp 122 kW Emissions compliance EPA Tier 4 EU Stage IV DIMENSIONS Transport length 221 in 5.61 m Width 80 in 2.03 m Width, w/cab 89 in 2.26 m Transport height 94 in 2.39 m Weight, w/out pipe 17,660 lb 8010 kg Weight, w/cab 18,560 lb 8418 kg Entry angle Angle of approach Angle of approach Angle of approach, w/cab 15° Weight of drill pipe, w/inner rod 127 lb 58 kg Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (20 pipe) S,544 lb 2515 kg Weight of drill pipe and large box (20 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) S,64 lb 2515 kg S,544 lb 2515 kg S,544 lb 2515 kg S,544 lb 2515 kg D,54 lb 2515 kg 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.	Stroke	4.88 in	124 mm	Pipe diameter	2.94 in	75 mm
Peak gross power @ 2,200 rpm 163 hp 122 kW Emissions compliance EPA Tier 4 EU Stage IV DIMENSIONS Transport length 221 in 5.61 m Width 80 in 2.03 m Width, w/cab 89 in 2.26 m Transport height 94 in 2.39 m Weight, w/out pipe 17,660 lb 8010 kg Weight, w/cab 18,560 lb 8418 kg Entry angle Angle of approach Angle of approach, w/cab 15° Weight of drill pipe and large box (35 pipe) Weight of drill pipe and small box (20 pipe) 3,387 lb 1536 kg Meight of drill pipe and small box (20 pipe) weight of drill pipe and small box (20 pipe) 3,387 lb 1536 kg Weight of drill pipe and small box (20 pipe) weight of drill pipe and small box (20 pipe) weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and large box (35 pipe) Weight of drill pipe and small box (20 pipe) 3,387 lb 1536 kg BATTERY SAE reserve capacity rating 90°F (-18°C) 950 amps NOISE LEVEL Operator sound 86 dBA Operator sound w/cab 83 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.	Manufacturer's gross power rating	160 hp	119 kW	Bend radius, min	210 ft	64 m
Emissions compliance EPA Tier 4 EU Stage IV Weight of drill pipe and small box (20 pipe) Transport length Width Width, w/cab BATTERY Width, w/cab Transport height Weight, w/out pipe Weight, w/cab 18,560 lb Angle of approach Angle of approach, w/cab 15° EU Stage IV Weight of drill pipe and small box (20 pipe) S,544 lb 2515 kg Weight of drill pipe and small box (20 pipe) SAE reserve capacity rating SAE reserve capacity rating 95 min SAE cold crank rating © 0°F (-18°C) 950 amps NOISE LEVEL Operator sound 86 dBA Operator sound w/cab 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.	Rated speed	2,300 rpm		Weight of drill pipe, w/inner rod	127 lb	58 kg
Emissions compliance EPA Tier 4 EU Stage IV DIMENSIONS Transport length 221 in 5.61 m Width 80 in 2.03 m Width, w/cab 89 in 2.26 m Transport height 94 in 2.39 m Weight, w/out pipe 17,660 lb 8010 kg Weight, w/cab 18,560 lb 8418 kg Entry angle 10-16° Angle of approach Angle of approach, w/cab 15° Weight of drill pipe and small box (20 pipe) 3,387 lb 1536 kg Weight of drill pipe and small box (20 pipe) 3,387 lb 1536 kg BATTERY Weight of drill pipe and small box (20 pipe) 3,387 lb 1536 kg BATTERY SAE reserve capacity rating 195 min SAE cold crank rating @ 0°F (-18°C) 950 amps NOISE LEVEL Operator sound 86 dBA Operator sound w/cab 83 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.	Peak gross power @ 2,200 rpm	163 hp	122 kW		5,544 lb	2515 kg
Transport length 221 in 5.61 m Width 80 in 2.03 m Width, w/cab 89 in 2.26 m Transport height 94 in 2.39 m Weight, w/out pipe 17,660 lb 8010 kg Weight, w/cab 18,560 lb 8418 kg Entry angle Angle of approach Angle of approach, w/cab 15° (20 pipe) BATTERY BATTERY SAE reserve capacity rating 195 min SAE cold crank rating @ 0°F (-18°C) 950 amps NOISE LEVEL Operator sound 86 dBA Operator sound 86 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.	Emissions compliance	EPA Tier 4	EU Stage IV		•	
Width 80 in 2.03 m SAE reserve capacity rating 195 min Width, w/cab 89 in 2.26 m SAE cold crank rating @ 0°F (-18°C) 950 amps Transport height 94 in 2.39 m NOISE LEVEL Weight, w/out pipe 17,660 lb 8010 kg Operator sound 86 dBA Weight, w/cab 18,560 lb 8418 kg Operator sound w/cab 83 dBA Entry angle 10-16° Angle of approach 19° Angle of approach, w/cab 15° SAE reserve capacity rating 195 min SAE cold crank rating @ 0°F (-18°C) 950 amps NOISE LEVEL Operator sound 86 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.	DIMENSIONS				3,387 lb	1536 kg
Width, w/cab 89 in 2.26 m Transport height 94 in 2.39 m Weight, w/out pipe 17,660 lb 8010 kg Weight, w/cab 18,560 lb 8418 kg Entry angle 10-16° Angle of approach 19° Angle of approach, w/cab 15° SAE cold crank rating @ 0°F (-18°C) 950 amps NOISE LEVEL Operator sound 86 dBA Operator sound w/cab 83 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.	Transport length	221 in	5.61 m	BATTERY		
Transport height 94 in 2.39 m Weight, w/out pipe 17,660 lb 8010 kg Weight, w/cab 18,560 lb 8418 kg Operator sound 86 dBA Weight, w/cab 18,560 lb 8418 kg Operator sound w/cab 83 dBA Entry angle 10-16° Angle of approach 19° Angle of approach, w/cab 15° 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.	Width	80 in	2.03 m	SAE reserve capacity rating	195 min	
Weight, w/out pipe 17,660 lb 8010 kg Operator sound 86 dBA Weight, w/cab 18,560 lb 8418 kg Operator sound w/cab 83 dBA Entry angle 10-16° Angle of approach 19° Angle of approach, w/cab 15° 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.	Width, w/cab	89 in	2.26 m	SAE cold crank rating @ 0°F (-18°C)	950 amps	
Weight, w/cab 18,560 lb 8418 kg Operator sound w/cab 83 dBA Entry angle 10-16° Angle of approach 19° 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.	Transport height	94 in	2.39 m	NOISE LEVEL		
Weight, w/cab 18,560 lb 8418 kg Operator sound w/cab 83 dBA Entry angle 10-16° Angle of approach 19° Angle of approach, w/cab 15° 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.		17,660 lb		Operator sound	86 dBA	
Entry angle 10-16° Angle of approach 19° Angle of approach, w/cab 15° 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.	9		9	Operator sound w/cab	83 dBA	
Angle of approach 19° 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.						
Angle of approach, w/cab 15° required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.						
5 11 7 7	<u> </u>					ected options, delivered
	Angle of departure			may not necessarily material that sho	**	





THE DITCH WITCH HDD SYSTEM INCLUDES:



HDD TOOLING

For your directional drill, we offer a complete line of genuine Ditch Witch drill bits, HD backreamers, drill pipe, and beacon housings, the most reliable and durable in the horizontal directional drilling industry.



MUD MIXERS

Ditch Witch fluid-management systems include the innovative FM13V, a fluid-mixing system that features a pump that lubricates itself during mixing and works so efficiently that it delivers 20 percent more fluid than other models.



VACUUM EXCAVATORS

Ditch Witch vacuum excavators are designed for a tremendous range of soft-excavation and cleanup tasks, including all manner of non-hazardous spills in and around the directional drilling jobsite. They're the most powerful, efficient and quiet vac systems on the market.

