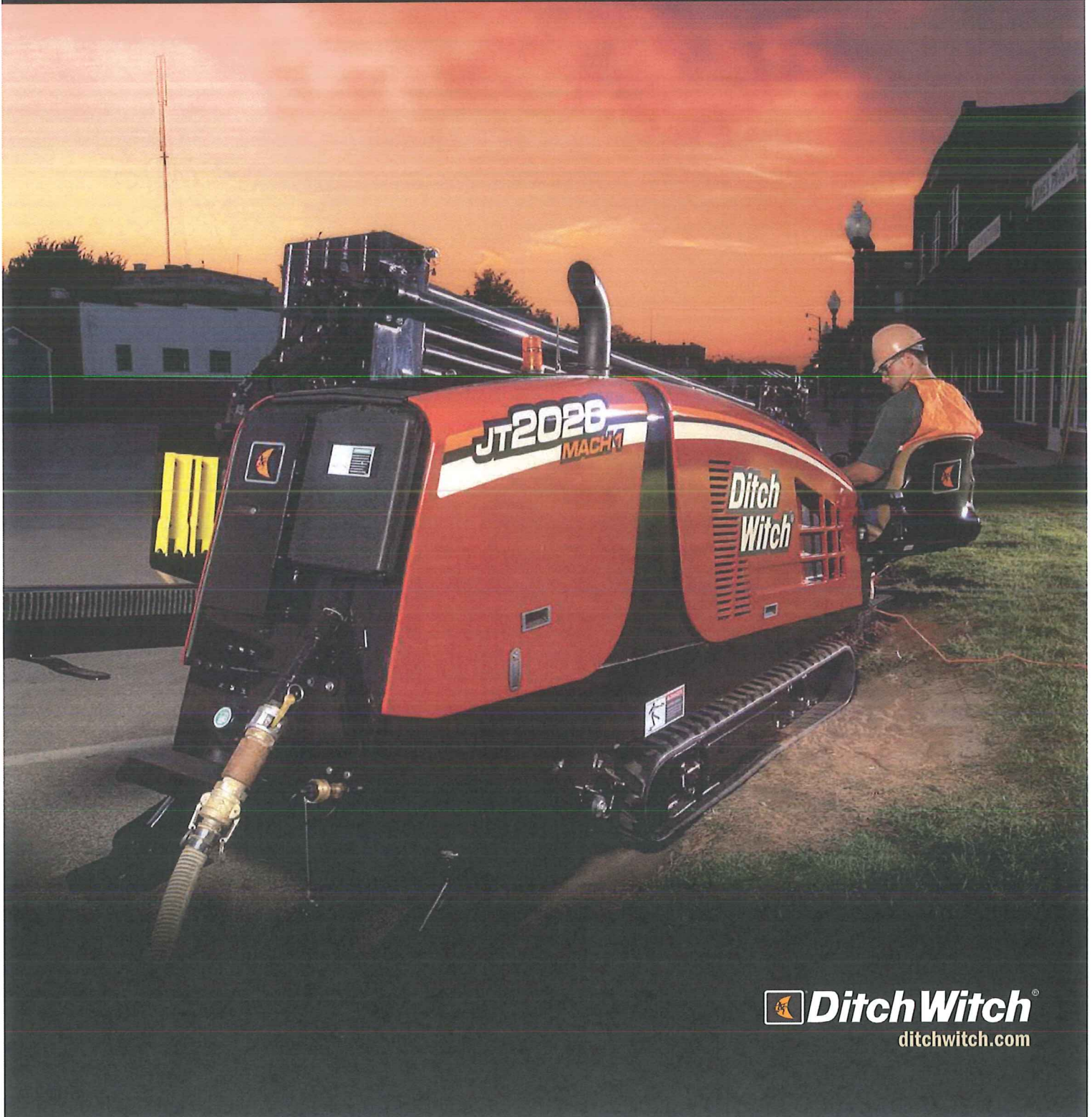




DITCH WITCH JT3020 MACH 1, JT2020 MACH 1, JT1220 MACH 1

DIRECTIONAL DRILLS



 **Ditch Witch**[®]
ditchwitch.com



SPECIFICATIONS, JT2020 MACH 1

DIMENSIONS	U.S.	METRIC
Overall length*	207 in	5.26 m
Overall width*	51.5 in	1.31 m
Overall height*	90 in	2.29 m
Drilling unit operating mass*	11,600 lb	5260 kg
Entry angle: 10° to 14°		
Angle of approach: 18°		
Angle of departure: 18°		
POWER PIPE	U.S.	METRIC
Length, nominal*	120 in	3.05 m
Diameter	2.06 in	52.3 mm
Diameter, tool joint end*	2.63 in	66.8 mm
Minimum bend radius	130 ft	39.6 m
Weight (lined)*	67 lb	30.4 kg
OPERATION	U.S.	METRIC
Maximum spindle speed*: 225 rpm		
Maximum spindle torque*	2200 ft-lb	2980 N·m
Carriage thrust travel speed*	140 fpm	43 m/min
Carriage pullback travel speed*	140 fpm	43 m/min
Thrust force*	17,000 lb	75.6 kN
Pullback force*	20,000 lb	89 kN
Bore diameter	4 in	102 mm
Backream diameter: Soil dependent		
Ground travel speed, maximum*		
Forward	3.2 mph	5.2 km/h
Reverse	3.2 mph	5.2 km/h
POWER	U.S.	METRIC
Engine: Cummins B3.3TAA		
Fuel: Diesel		
Cooling medium: Liquid		
Injection: Direct		
Aspiration: Turbocharged & charge air cooled		
Number of cylinders: 4		
Displacement	199 in ³	3.3 L
Bore	3.74 in	95 mm
Stroke	4.53 in	115 mm
Manufacturer's gross power rating**: 85 hp		63 kW
Rated speed: 2600 rpm		
Emissions Compliance	EPA Tier 3	EU Stage IIIa
DRILLING FLUID SYSTEM (ON-BOARD)	U.S.	METRIC
Drilling fluid pressure, maximum*	1500 psi	103 bar
Drilling fluid flow, maximum*	32 gpm	120 L/min
FLUID CAPACITIES	U.S.	METRIC
Hydraulic reservoir	19 gal	72 L
Fuel tank	30 gal	114 L

BATTERY

SAE Reserve capacity rating: 195 min
SAE Cold crank rating @ 0° F (-18° C): 950 A

U.S.

METRIC

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. Contains patented features. *Per SAE J2022 **Per SAE J1995

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