Mincon™

The Driller's Choice

ROCK DRILL R612

MICROPILING - GEOTHERMAL - GEOTECHNICAL - EXPLORATION

mincon.com

R612

ROCK DRILL R612

The Rock Drill R612 is a powerful and versatile drilling rig with setups for micropiles, geothermal, geotechnical and waterwell drilling applications. High torque and high speed drill head options are available. The R612 is a capable geothermal drilling rig for residential and commercial geothermal projects.

The R612 is capable of running augers, sampling tooling, DTH hammers, top hammers, mud drilling equipment and more.

AVAILABLE OPTIONS

- Double Breakout Clamps.
- Safety Clamp System. Hands-free breakout.
- Auxiliary Winch. 42’ rope / 2,000 lbs (910 kg) pull.
- Winch Upgrade. 4,500 lbs (2,040 kg) pull.
- Remote Controls. Tracks Only or Tracks, Rotation & Feed.
- Dust Suppression System for DTH Hammer Drilling.
- Trip Wire Safety System. (European Spec).
- Mast Mounted Flood Lights.
- Mud Pump. 150-180 gpm / 300-800 psi.*
- JT300 Series Drill Heads: Max Torque 28,000 ft-lbs.

Key Features

Gate Clamps & Breakout Wrench with 8.8” ID (223 mm).
Rotation Head Horizontal Slide. 18” (457 mm) slide.
Onboard Rod Rack. Holds 350’ of 10’ drill rods.
Winch & Mast Extension. 2,200 lbs (998 kg) pull.
Lubricator. 2.2 gallons (8.3 L).
Swing-Out ‘Z’ Frame Control Arm (optional)
Hydraulic Jack Legs.
Auxiliary Spool Control.

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OVER
800FT
DRILL
DEPTH

SPECIFICATIONS

Power & Hydraulics

	IMPERIAL	METRIC
SYSTEM PRESSURE	3,000 psi	206 bar
MAX FLOW	47 gpm	178 lpm
MAX PULLBACK	22,000 lbs	10,000 kg
MAX PUSHDOWN	16,000 lbs	7,257 kg
ENGINE POWER	90 hp	70 kW
FUEL TANK	31 gal	117 ltr
HYDRAULIC TANK	65 gal	248 ltr
COOLING SYSTEM	Liquid cooled	

Rotary Heads JT-200 Series

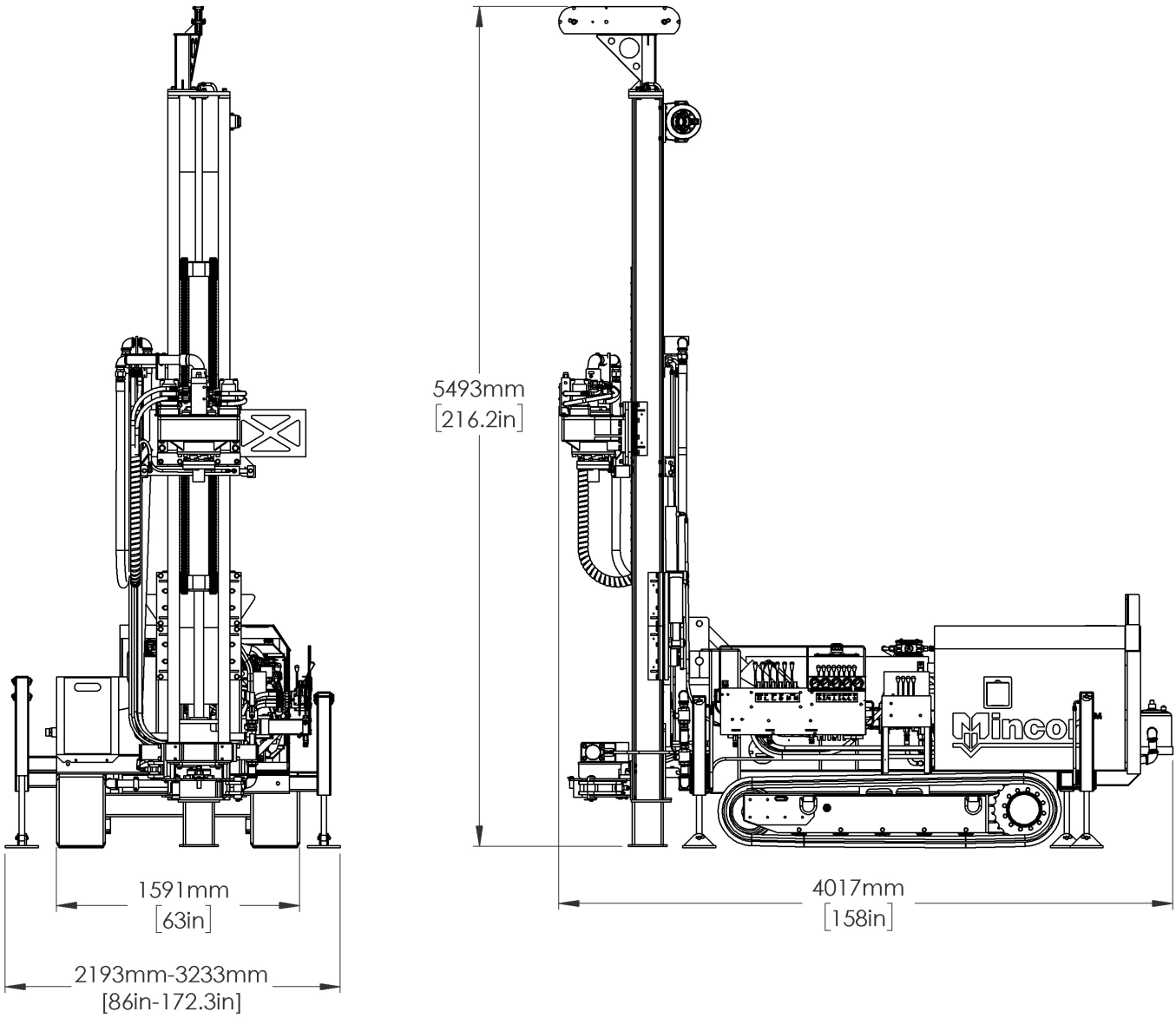
	IMPERIAL	METRIC
MAX TORQUE	10,400 ft - llbs with JT205	14,000 Nm
MAX SPEED	205 rpm with JT222-M	
THROUGH BORE	2 - 3/8”	60mm
SPEEDS	2-speed variable	

Mast Movement

SIDE TO SIDE	+ / - 30° (90° Optional)
FORE AND AFT	+ 3° to - 90°
SLIDE	16” (406 mm)

R612

TECHNICAL DRAWING



Dimensions & Weight

	IMPERIAL	METRIC
HEIGHT (DRILLING POSITION)	18’ 3”	5,493 mm
HEIGHT (TRANSPORT POSITION)	7’ 2”	2,184 mm
LENGTH (DRILLING POSITION)	13’ 2”	4,017 mm
MAST STROKE	11’ 10”	3,609 mm
WIDTH	60” (48” no rod rack)	1,524 mm
WEIGHT	10,955 lbs	4,970 kg
TRACK WIDTH	60” (48" no rod rack)	1,524 mm
TRACK LENGTH	90”	2,286 mm

* Dependant on options / Additional upgrades may be required

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