



**PATRIOT**  
EQUIPMENT™

# PATRIOT P1

Technical Specifications & Features



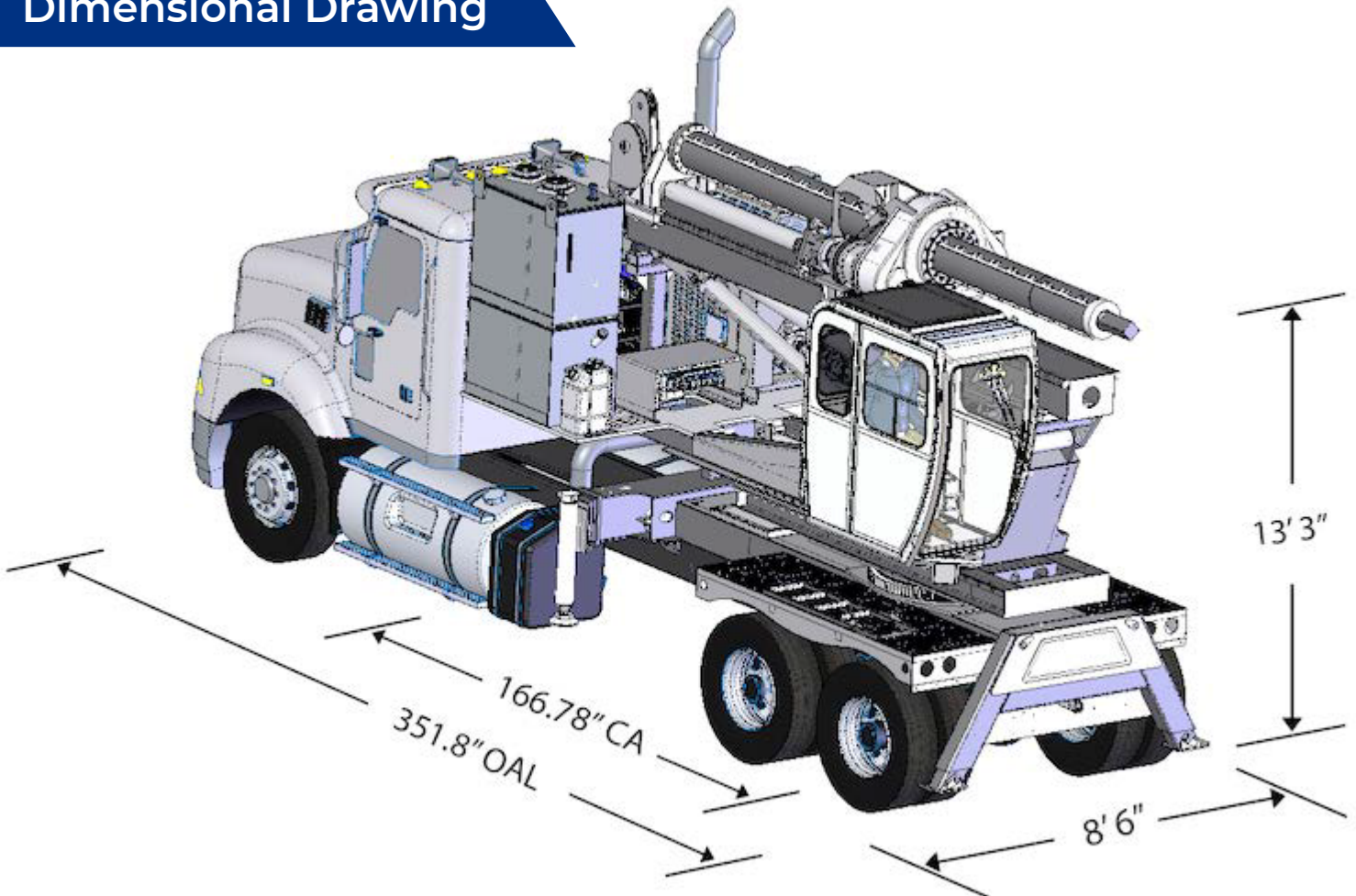
The P1 is an advanced hydraulic drill built to deliver increased capacity while also incorporating our proprietary DrillPro technology to improve operator performance. Designed based on actual field experience and years of customer feedback, DrillPro not only limits common mechanical issues but automates much of the drilling process. Already the most powerful unit in its class, All P1's come outfitted with larger, round, interlocking Kelly Bars that are built to drill through the toughest of soil conditions. The P1 is also incredibly versatile and has an optional sectional mast allowing you to quickly change to several other configurations and drill depths based on your needs. The P1 is also Road legal in all 50 states. Increased capacity, improved operator performance, and amazing versatility make this the perfect Drill for almost every application.



Technical Specifications	Description	
<b>TORQUE</b>	50,000 ft/lbs	
<b>CROWD</b>	25,000 lbs	
<b>KELLY TYPE</b>	Round Interlocking (Bar 1) 10 & 3/4"   Wall Thickness 3/8" (Bar 2) 7 & 5/8"   Wall Thickness 1/2" (Bar 3) 5 & 1/2"   Wall Thickness 1/2" (Bar Lengths) 13' 6"	
<b>STUB</b>	4" With Hole	
<b>DRILL DIAMETER &amp; DEPTH</b>	8 Feet	
<b>DRILL SPEEDS</b>	Drill Rpm 12-73	Spinoff Rpm 120
<b>DRILL DEPTH</b>	35 Feet	
<b>MAIN WINCH</b>	18,000 lbs	Line Speed 160 fpm
<b>AUX WINCH</b>	8,000 lbs	
<b>SLIDE</b>	32" Slide Off Rear	
<b>ENGINE</b>	CAT C4.4	188hp
<b>HYDRAULIC &amp; FUEL TANK</b>	(Hyd) 95 Gallons	(Fuel) 65 Gallons
<b>MAST</b>	Sectional Mast with 3 Available Configurations 25' operational height drills 35' deep 30' operational height drills 50' deep 36'6" operational height drills 70' deep	
<b>TILT</b>	10 Degrees	
<b>WEIGHT</b>	(Front) 15,042 lbs	(Rear) 33,239 lbs
<b>PAINT COLORS</b>	Base RAL 9005 Jet Black Body & Slidebase RAL 9016 Traffic White Mast RAL 7015 Slate Grey	



## Dimensional Drawing





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**You don't just need  
another equipment option,  
you need actual solutions...  
better solutions**

## P1 Features & Benefits

**More Versatility:** One machine that can do it all. The P1 is equipped with a patent-pending sectional mast, allowing you to quickly change the configuration to several other mast heights or drill depths based on your needs.

**More Comfort:** The P1 comes with a climate-controlled Cab to help create a comfortable, more intuitive working environment for the operator. The efficient, cockpit-style design positions all of the controls within easy reach. The exclusive one-piece curved glass windshield helps improve visibility. Work conditions and long hours can be tough on operators, but Patriot's cab is equipped to keep your operators comfortable and productive through the entire shift.

**Better View:** In an effort to increase operator visibility and improve safety, Patriot designed our Patent-pending Pivoting cab. This climate-controlled cab pivots out from the body while drilling to provide the most visibility of any drill.

**Screen:** A 12" full-color touch screen display, the largest in the industry, provides performance data in one simple, clear screen. This touchscreen gives the most relevant information to the operator in a clear manner and is easily programmable and customizable for various operator skill levels.

**Improve Safety:** The P1 is equipped with multiple cameras with wide angle views of hazardous zones, leading to greater visibility and safety. The P1 also has a high voltage detector that can sense as little as 110 volts AC, warning the operator that he is in the vicinity of a high-voltage power line and immediately stopping the mast from being raised. The operator does not need to activate this feature or even respond to a notification. This is always active, and the machine responds automatically.

**Made For Rock:** Already equipped with the most power, we also turned our attention to a new bar design aimed at improving performance while reducing maintenance. The P1 comes with larger diameter, round interlocking Kelly bars that now have 3 rows of locks, providing more engagement and better performance. Not all bars are equal, outperform the other guys with these rock bars.

**Engine:** Patriot is the only drill manufacturer to utilize CAT engines and ours come with the most hp in its class. These reliable and powerful engines are backed by CAT's worldwide network for parts and service.