

IRON ROUGHNECK

RANGER

SINCE 1987

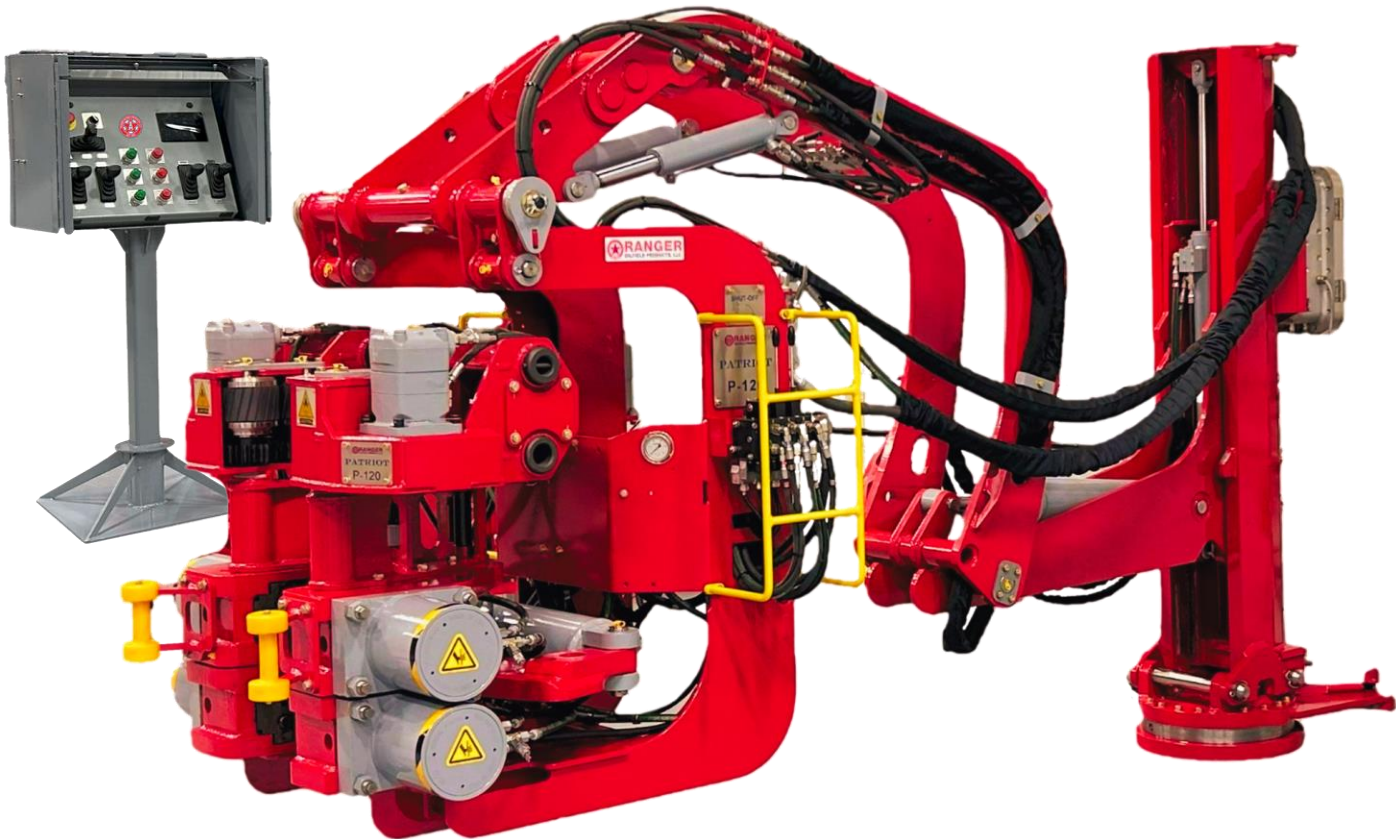


USA MADE

BROCHURE

PATRIOT P120R

REMOTE OPERATED



PRESSURE SYSTEM BUILDERS

PSBV
V I E T N A M

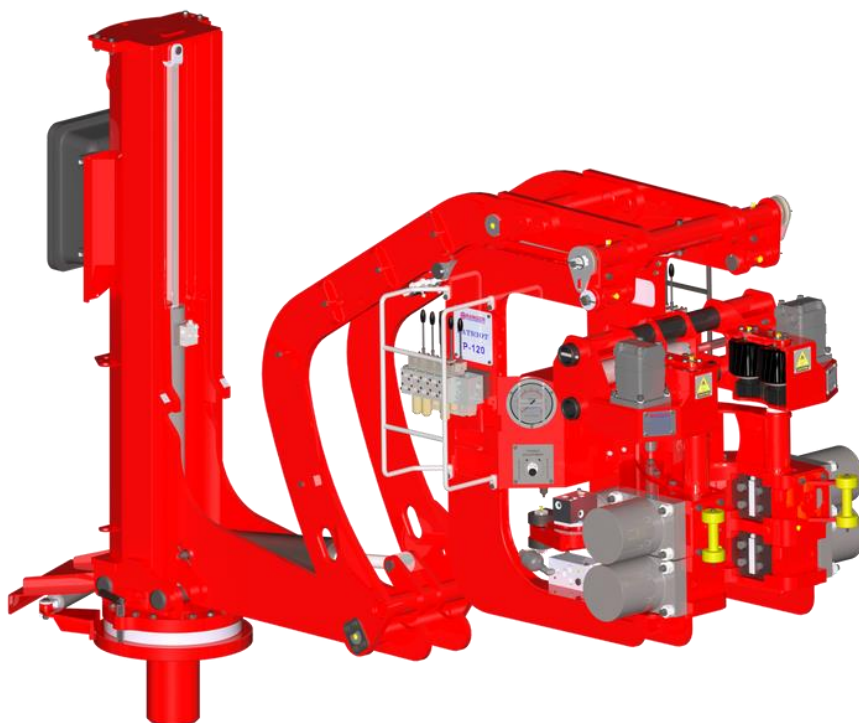


drilling@psbvn.com

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PATRIOT P120

**IRON ROUGHNECK
REMOTE OPERATED**



WHY THE PATRIOT P120?

We're proud to announce the latest evolution of our latest PATRIOT P120 design, now engineered with new safety features tailored specifically for our customers operating on the rig. At Ranger Oilfield Products, safety is a top priority—and these improvements reflect our continued commitment to protecting crews while maximizing performance in the field.

Our team of experts have leaned on drilling performance data and client feedback to build a competitively priced Iron Roughneck that will handle the higher torques that are now being required in a drilling environment. The P120 is widely known to be easy to operate with a low cost of maintenance and overall cost of operations compared to other manufacturers.

The PATRIOT P120 features have allowed for faster slip to slip connection times, higher torquing capacity, and safer operations. The P120 can be built to operate manually or remote, with options to operate from a rig floor console or from inside the driller's cabin.



PATRIOT P120 SPECS

Hydraulic Requirements

Hydraulic Supply Pressure

Max: 2,900psi (20MPa) – 199.9bar

Min: 2,800psi (19.3MPa) – 193.5bar

Hydraulic Flow Rate

25 – 28gpm (93 – 106 lpm)

Spinner

Spin Speed (Rollers) 80 – 110rpm

Torque

Makeup 100,000.0ft.-lb max (135,580Nm)

Breakout 120,000.0ft.-lb max (162,696Nm)

Shipping Info

1SKID, 8,775lbs, 102x64x107

PRESSURE SYSTEM BUILDERS
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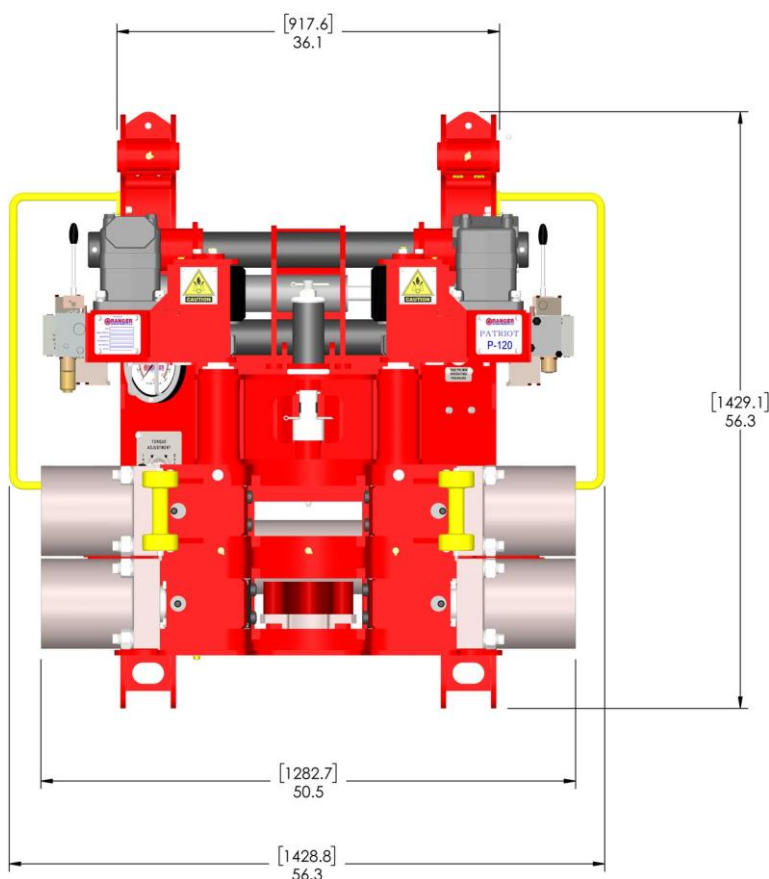
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PATRIOT P120

REMOTE OPERATED

DIMENSIONAL SPECS



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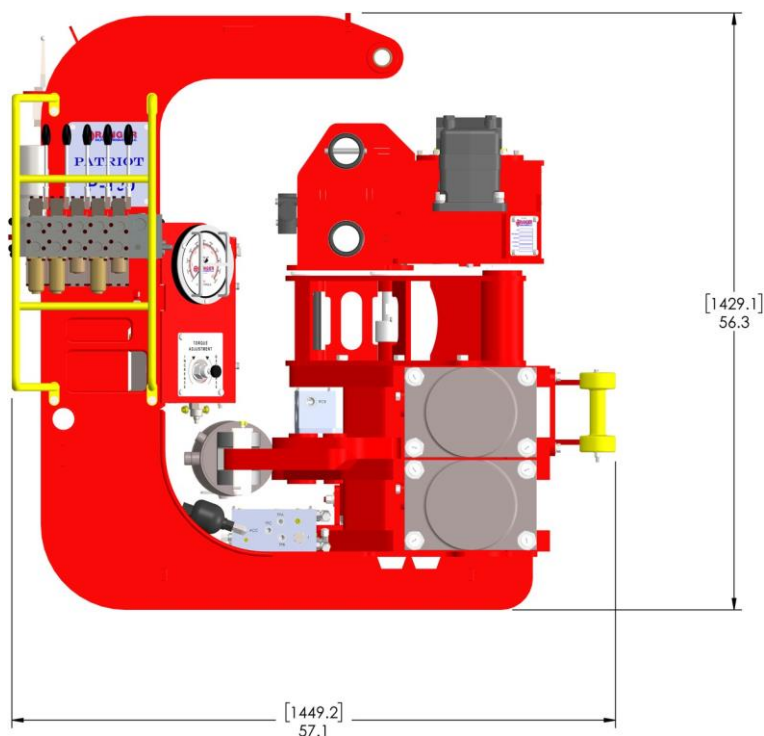
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DIMENSIONAL SPECS



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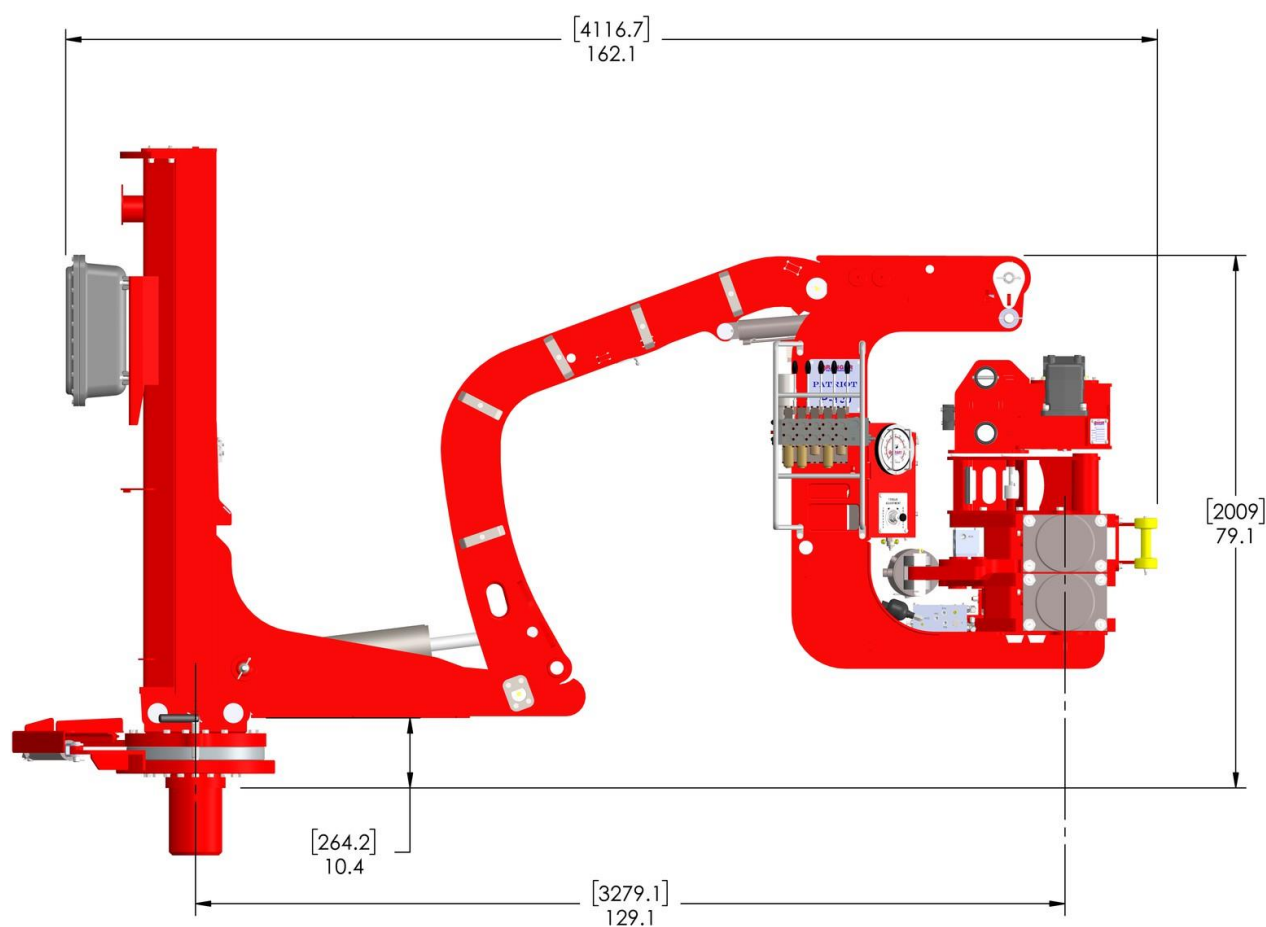


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DIMENSIONAL SPECS



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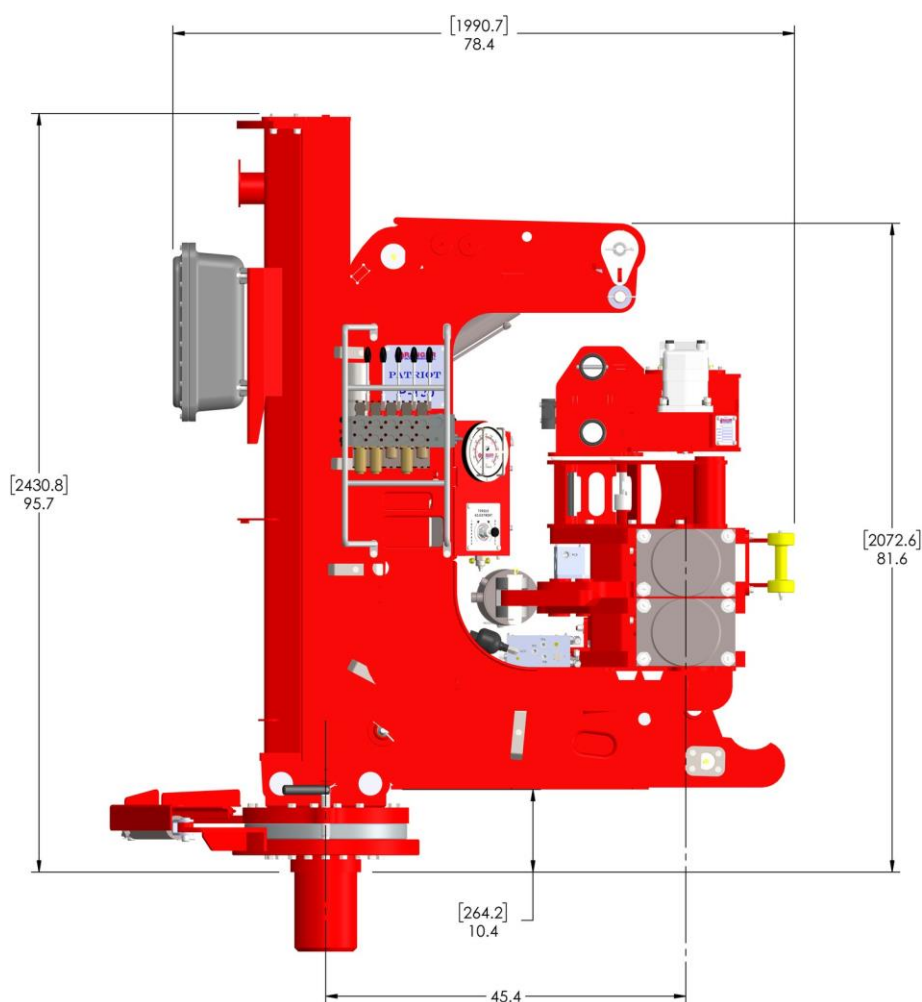


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DIMENSIONAL SPECS



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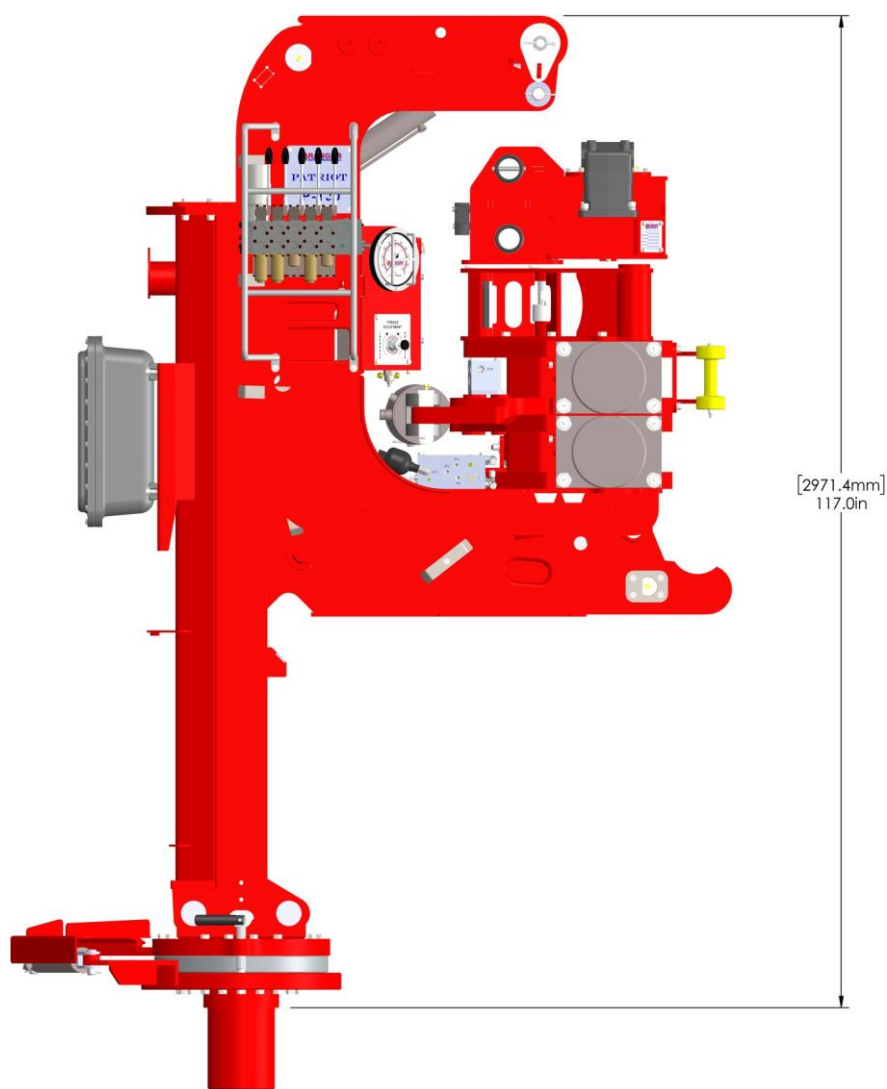


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▶▶▶▶▶PATRIOT P120

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DIMENSIONAL SPECS



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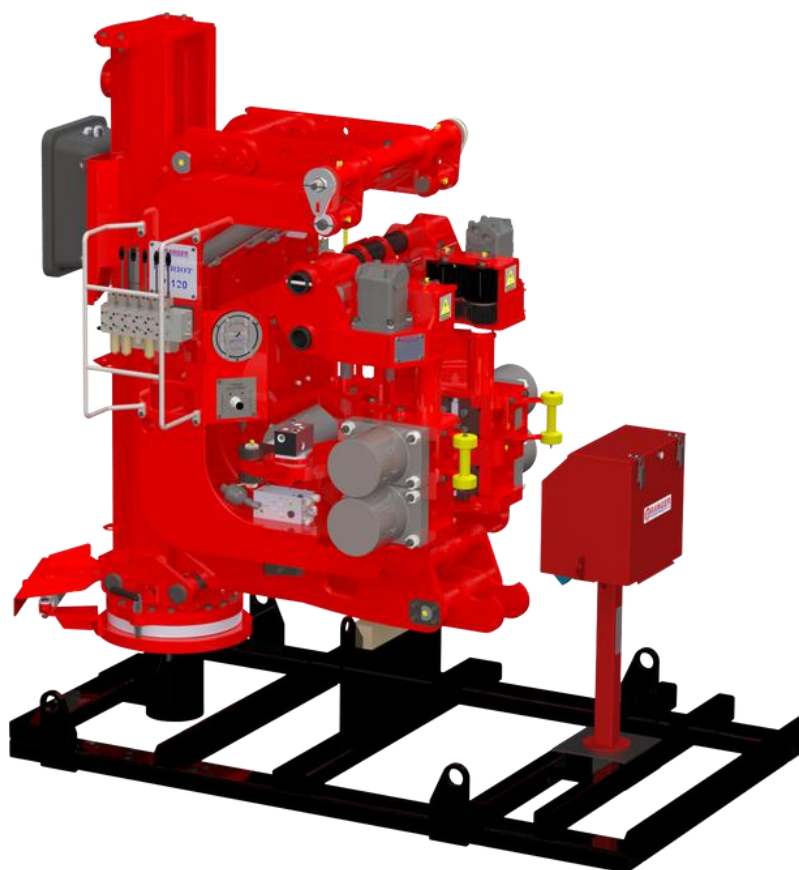
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REMOTE OPERATED

UNIT + CONSOLE ON THE SHIPPING SKID



Shipping Info
1 SKID, 8,775lbs, 102x64x107



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HYDRAULIC POWER UNIT

Equipped with a 50 Horsepower Motor

Electrical Requirements

480 volts 3ph

100 amp breaker

SPECS

HPU UNIT= 2,530lbs. HOSES= 124lbs.

Shipping Info

1 SKID, 2,654lbs, 60x50x60



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RANGER

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CLICK HERE TO VIEW RANGER'S PATRIOT
IRON ROUCHNECK VIDEO

https://youtu.be/DK8rjgiuPs?si=IDuWhwjrxFdHd_Q4



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OILFIELD PRODUCTS, LLC

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