

## Prime 154 HPU Diesel Hydraulic Power Unit

Offshore and Oilfield Ready



### Prime's Facts

Horsepower:

**154 Continuous HP (114 kW)**

Operating Pressure:

**1000—4000 PSI (68-275 Bar)**

Hydraulic Flow:

**4 to 95 GPM (15-359 LPM)**

Hydraulic Tank

**110 Gal (416 Liters)**

Diesel Tank:

**110 Gal (416 Liters)**

Weight:

**7500 LBS (3401 kg)**

Dimensions:

**120"x68"x78"(304cm x 172cm x 198cm)**

Hydraulic Oil:

**32 or 46 AW, BIO, NS**

### Features



#### Engine

- John Deere, Isuzu or Deutz Engines
- EPA rated engine with rubber engine shock points
- LOFA or Murphy engine monitoring system
- Engine safety shutdown package
- Double fuel and hydraulic filtration
- Air inlet emergency shutdown valve
- Electric start with battery & weather safe battery box



#### Hydraulics

- Twin or single circuit hydraulic flow controls
- Low level hydraulic fluid shutdown
- Best in class 12 volt dual fan hydraulic cooling unit
- Twin element hydraulic oil filter with spin on cartridges
- 100% oil spill and fuel spill containment
- 5000 PSI hydraulic gauges
- Various hydraulic disconnect options available
- Hydraulic oil level & temperature indicators



#### Safety

- Low point drain plugs & tank isolation valves
- Custom radiator grill guard, overhead grating protection
- Variable pressure hydraulic relief valve
- Safety transport binder "O" rings
- Easy to read safety and operation labeling
- Flame arrestor exhaust with heat shield
- Emergency engine over speed shutdown



#### Other Features

- Optional hydraulic hose reels & tool box compartment
- Double coated marine epoxy or powder coat finish
- Fully boxed frame tubing for added strength
- Top tank desiccant breather
- Removable tanks with oversized clean out ports
- Electric or hydraulic cooling fans available
- New 4" x 10" box tube skid rails & 10" forklift boots
- Optional certification to meet offshore lifting standards

#### Available Options

- Fully custom hydraulic circuits, pressures, and flow
- Air or electric start; mechanical or electric shutdown
- Optional offshore/oilfield certifications
- Integrated hydraulic hose reels
- Optional hydraulic pressure washers

**Trailer or Skid Mounting Available**

## Prime Hydraulic Power Units

Prime's Hydraulic Power Units are designed to be functional and well built.

Intelligent class-leading features come standard in each unit. Prime's unique approach to fluid management is designed to prevent spills while vastly improving serviceability. Each diesel and hydraulic tank is designed to be modular with oversized clean out and isolation valves for easy maintenance.

Other manufacturers feature tanks made into the skid frame or lack spill containment entirely, making the end user at risk for costly clean up and EPA or DOT fines. Prime's hydraulic power units are able to operate with a number of hydraulic fluids including anti-wear, biodegradable and no sheen oil.

### Hydraulic Output Options

#### Single Circuit - 1 Output



Single Circuit Mode—1 Port  
Up to 95 GPM @ 2250 PSI  
Up to 70 GPM @ 3000 PSI  
Up to 55 GPM @ 4000 PSI

#### Quad Circuits - 4 Outputs



Quad Pump Circuits  
18 GPM @ 3000 PSI  
Dual Pump Circuits  
35 GPM @ 3000 PSI

#### Multi-Circuit Custom Circuits (Diesel or Electric Available)



Fully Custom Design  
Run a variety of equipment  
Your flow and pressure terms

#### Keeping it Cool

Prime power units have oversized hydraulic cooling systems that help handle the heat generated by heavy operating conditions, constant running and high temperatures.



### 154 HP John Deere 4045

- Turbocharged Diesel
- 4 Cylinder Liquid Cooled
- (154 HP / 74 KW) Output
- 4.5 (L) Displacement
- 2200 Max RPM

Engine Performance Curve

