

New!

*Next Generation! Built Tough for
Welding in a Tough World*



PRO 300 and PRO 300 D

Low-Speed, Compact Diesel Engine Drives Ideal for the Construction Contractor, Independent Rig Owner or Fleet Manager

Next Generation Arc Quality and Performance

- **New PRO 300 D** 4-Cylinder Deutz® engine option delivers more horsepower and is ideal for higher altitudes.
- Improved arc performance and stability offers exceptional arc control for Stick, MIG and TIG welding. Stick arc designed for cross-country pipeliners.
- Hot Start™ makes it easy to start all types of Stick electrodes.
- Low fuel shutdown ensures the engine shuts off before it runs out of fuel for worry-free restarts.
- Hours to oil change indicator keeps track of maintenance needs to ensure peak performance.
- Heavy-duty Vault design protects critical circuit boards for ultimate reliability in the harshest conditions.



New PRO 300 D Deutz Engine Option

Now available with 4-cylinder Deutz engine for more horsepower and smoother, quieter operation. Increased horsepower is ideal for welding in higher elevations and using larger electrodes. The PRO 300 is also available in a 3-cylinder CAT engine model.

Improved Arc Performance and Stability

Offers exceptional arc control whether using the Stick, MIG or TIG welding process. The Stick low and high current performance improvements delivers consistent control. MIG advances include improved arc starts plus digital voltage control. TIG enhancements include improved arc starts plus Arc End.

Hot Start

An arc-start enhancer for all types of Stick electrodes, the Hot Start feature automatically increases amperage during arc starts when required.

Low Fuel Shutdown

The new low-fuel shutdown feature shuts down the engine when fuel gets low to give operators added assurance that it will restart with ease.

The PRO 300 and PRO 300 D are the right choice for:

- Structural Steel Welding and Construction
- Oil Rig Welding
- Maintenance and Repair
- Pipe Welding
- General Purpose Professional Welding

Hours to Oil Change Indicator

The machine tracks the interval between oil changes to ensure maintenance stays on schedule for optimum engine performance.

Heavy-Duty Vault Design

New single Vault design provides arc control and superior welding performance along with the ultimate reliability in the harshest of environments. A hermetically-sealed vault protects Miller control boards from dust, moisture and tough environmental elements.



The next generation PRO 300 and PRO 300 D are engineered for extreme durability, delivering superior performance in the toughest conditions.

PRO 300 and PRO 300 D

Low-Speed, Compact Diesel Engine Drives Ideal for the Construction Contractor, Independent Rig Owner or Fleet Manager



“I can run the PRO 300 for about four days before I fill up, and afterwards I still have a quarter tank. The fuel economy on the PRO 300 is great. We buy our own diesel, so using less fuel makes a big difference.”

— Gary Evans, Welder
Cheyenne Plains Pipeline project

Q&A:

Do you want more horsepower at higher altitudes?

Solution: The new PRO 300 D features a 4-cylinder Deutz® engine to give welders the horsepower needed to achieve consistently superior welds at higher elevations.

Do you need a solid performer for a wide range of jobs?

Solution: Capable of Stick, Lift-Arc™ TIG, Flux Cored and CV short arc MIG processes, the PRO 300 and PRO 300 D deliver reliable performance in the harshest environments.

Do you need cold-weather starting capability?

Solution: The PRO 300 excels in bitter cold temperatures and is tested to start and run at -40° F to provide the reliability required in arctic-cold conditions.

PRO 300 and 300 D Key Comparisons

	PRO 300 and PRO 300 D	Lincoln Vantage® 300	The Power of Blue® Payoff
Engine Choice	Caterpillar C1.5 Liquid-Cooled 3 Cylinder 22 HP at 1800 RPM Deutz D2008L04 Liquid-Cooled Diesel 4 Cylinder 24 HP at 1800 RPM	Kubota V1505 Liquid-Cooled 4 Cylinder 22 HP at 1800 RPM Deutz D2008L4 Liquid-Cooled Diesel 4 Cylinder 24 HP at 1800 RPM	Miller offers a choice of engines to meet specific needs, along with better support and service. PRO 300 and PRO 300 D engine mounts are semifocalized to reduce engine vibration. The PRO 300 and PRO 300 D run smoother and transmit less vibration than competitors.
Circuit Board Protection	The Vault provides the ultimate in circuit board protection.	Circuit boards are potted and trayed and more vulnerable to the elements.	With its circuit boards protected by the Vault, the PRO 300's reliability rating is 98.4%.*
Engine Instrumentation	Fuel, Engine Hours, Hours to Oil Change Gauge	Fuel, Hour Meter, Oil Pressure and Coolant Temp Gauges	PRO 300 and PRO 300 D feature a backlit liquid crystal display for easy, accurate monitoring.
Arc/Dig Control	4 optimized settings for all electrodes	Variable	PRO 300 and PRO 300 D provide consistent performance without confusion of variable settings.
Sound Level	71 dBa at 23 ft—Caterpillar 73 dBa at 23 ft—Deutz	76.8 dBa at 23 ft	PRO 300 and PRO 300 D are almost 3 times quieter.

*Based on warranty claims from June 2006 – December 2007.

For more detailed product information, see literature #ED/5.21.

2/08

Stock No.	Description
#907 144	PRO 300 with CAT 22 HP at 1800 RPM
#907 144-02-1	PRO 300 with CAT and Stainless Steel Appearance Pkg
#907 399	PRO 300 D with Deutz 24 HP at 1800 RPM

