Your 1st Choice for Fuel Efficient, Quiet & Dependable Air Compressors.
When you buy MMD Equipment, you get much more.

The cornerstone of a great buying experience is a high-quality product. But to maximize your productivity and income, you need more than just a machine. That’s why MMD Equipment is committed to adding value in every aspect of our business relationship. With every MMD Equipment product you purchase we stand behind our PROVEN PERFORMANCE, SERVICE and EXPERIENCE.

AIR COMPRESSORS


When it comes to efficiency and dependability, MMD Equipment’s ultra-quiet air compressors are designed for today’s demands. They’re extremely reliable — which helps reduce downtime and maintenance as well as increasing your profitability. Just as important, our superior designs meet environmental concerns and are fuel-efficient, light and well-balanced.

Interim Tier 4 and CARB Compliant

- The AIRMAN PDS185S uses an engine that achieves emission reduction targets that comply with the EPA’s rules governing the Federal Clean Air Act and CARB’s regulations.

Easier, Faster Service and Maintenance

- Engine oil and water drain to the outside of the machine.
- Hand-operated compressor oil and fuel drains (no tools required).
- New external oil/air separator filter and cartridge-type fuel filter reduce service time and cost.
- All service areas are located on one side for easy maintenance.
Quiet, High-Efficiency Design

- Engine idles as low as 1,300 RPM — with an auto idle feature — to provide the best fuel economy and reduce component wear.
- Noise level is as low as 62 dBA at 23 feet when idling. This is substantially less noise than competitors’ machines.
- Direct-injection engine meets strict new EPA Interim Tier 4 emission standards on the PDS185S.

Best Fuel Economy

- The PDS185S offers the best fuel economy for any air compressor in its class.
- An auto-idle feature saves fuel by reducing the engine speed to 1,300 RPM when there’s a load on the engine.
- Fuel economy is maximized by reducing resistance during air intake and discharge.
- An auto-sensing ECO-MODE decreases receiver tank pressure during unloading.

Convenient Access and Storage

- Gull-wing style doors allow easy one-hand operation! Large, lockable doors with gas struts virtually lift themselves for easy access to tool storage and service components.
- Larger tool compartments hold 90-lb. breakers, various tools and hoses.

Durable, Reliable Construction

- Powder-coated finish and stainless steel hardware maintain their attractive appearance.
- Engine is directly coupled to the air end by a fiber gear coupler for improved power transmission.
- Improved unloader valve and air pressure regulator feature O-rings instead of diaphragms.
Day-in / Day-out power train dependability.
The reliability of the AIRMAN air compressors are proven in thousands of applications worldwide and backed by a standard 5 year or 5,000 hour engine warranty on the PDS185S and a 2 year or 2,000 hour warranty on other models. A standard 2 year air-end and coupler warranty is extendable to 5 years with the use of AIRMAN oil and filters. In addition, you’ll be supported by MMD Equipment - your partner in success. (see complete warranty for details)

AIRMAN Screw Air Compressors — The Ultimate in Reliability.

One-way valve automatically controls air entry into the compressor based on demand sensed by the pressure regulator.

Fiber gear coupler delivers quiet operation, is maintenance free, and allows easy removal of either the engine or air end. The coupling will not deteriorate due to vibration, heat or length of service.

Oversized bearings combine to give solid support during transfer of power from the gear train to the rotors. This ensures excellent reliability and extended service life.

Large-diameter air screws produce more air at lower RPMs, reducing wear and increasing fuel efficiency. Also, slower-turning screws mean less noise and quieter operation. AIRMAN screws feature a patented SmoothSeal™ rotor edge profile to eliminate blow-by and reduce internal friction.

The pressurized oiling system continuously lubricates and cools the mechanical components including rotors, gears and bearings. AIRMAN’s All-season™ oil is specially formulated to provide unmatched compressor reliability and service life.

Thick, reinforced castings deliver increased strength, increased dimensional stability in sealing areas, and better support to the bearings and rotors. AIRMAN’s heavier castings evenly transfer heat away from the bearings and rotors to reduce internal thermal stresses.

Double oversized bearings hold the positions of the two rotors in a precise relationship. Bearings are pressure lubricated for both cooling and long service life.

Check valve eliminates back-flow and allows multiple compressors to safely feed a common pressure tank in high-volume installations.
PDS185S ENGINE FEATURES

- 5 year, 5,000 hour standard Yanmar warranty.
- EPA Interim Tier 4 + CARB compliance.
- Advanced design virtually eliminates diesel chatter.
- An enlarged fuel filter enhances diesel fuel cleaning and performance.
- Side-by-side radiator and oil cooler provide reliable performance and easy cleaning.
- Improved output engine on the PDS185S provides 185cfm @ 100psi with a 13% reduction of crank shaft speed.
- Quiet direct-injected engine reduces noise by 20%.
- Compare our fuel economy vs. other models and you will buy an AIRMAN.

Diagnostic Panel
Monitors low fuel level, battery, fuel filter, engine air filter, water temperature, compressor air filter, oil pressure, discharge air temperature and auto idle.

Greater Towing Stability
A wider stance, large 14" tires, a re-engineered lower center of gravity, heavy duty leaf springs and a rugged ‘A’ frame draw bar provide even greater strength and stability when towing.

Spin-On Separator Filter
Is located exterior to the tank and is easily serviced by hand, helping to decrease maintenance costs and downtime.

Rear Service Valves & Gauges
Are conveniently located on the rear of the machine and display the tachometer reading, fuel gauge and hours of operation.

LED Tail Lights
Provide increased towing visibility in all weather conditions and are enhanced by multiple side and rear reflectors.

Exterior Drains
Simplify maintenance by having the receiver oil, engine oil and fuel drain out of three independent ports that are conveniently located on the exterior.
## AIR COMPRESSOR Specifications

### COMPRESSOR

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Free Air Delivery</th>
<th>Working Pressure</th>
<th>Max Working Pressure</th>
<th>Air Receiver Tank Capacity</th>
<th>Air Outlets</th>
<th>Engine Coupling Type</th>
<th>Lubrication System Type</th>
<th>Lubrication System Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDS100S</td>
<td>rotary twin-screw</td>
<td></td>
<td></td>
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<tr>
<td>PDS130S</td>
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<tr>
<td>PDS185S-6C2</td>
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<td>PDS185S-5C2</td>
<td>rotary twin-screw</td>
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<td>PDS400S-6C3</td>
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### ENGINE

<table>
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<tr>
<th>Model</th>
<th>Model Type</th>
<th>Compression</th>
<th>Displacement</th>
<th>Cylinders</th>
<th>Cooling System Capacity</th>
<th>Oil Capacity</th>
<th>Electrical System</th>
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<tbody>
<tr>
<td>PDS100S</td>
<td>4TNV88-B</td>
<td>inline, water-cooled</td>
<td>150cc</td>
<td>3</td>
<td>3.5 gph @ Full Load, 3.0 gph @ 70% Load, 0.8 gph @ No Load</td>
<td>1.2 gph @ 70% Load</td>
<td>Direct-Injected, Tier 2 Compliant</td>
</tr>
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<td>1.2 gph @ 70% Load</td>
<td>Direct-Injected, Tier 2 Compliant</td>
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<tr>
<td>PDS400S-6C3</td>
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<td>inline, water-cooled</td>
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<td>3.5 gph @ Full Load, 3.0 gph @ 70% Load, 0.8 gph @ No Load</td>
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### OPERATING PARAMETERS

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<thead>
<tr>
<th>Model</th>
<th>Max Altitude</th>
<th>Max Ambient Temperature</th>
<th>Min Ambient Temperature</th>
<th>Max Incline</th>
<th>Sound Level</th>
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<tbody>
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### WEIGHTS AND DIMENSIONS

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<tr>
<th>Model</th>
<th>Dry Weight</th>
<th>Weight with Towing Frame</th>
<th>Length with Towing Frame</th>
<th>Height with Towing Frame</th>
<th>Operating Weight</th>
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**PROVEN PERFORMANCE**

When you buy MMD Equipment, you get much more. Our compressors are designed for today’s demands. They’re extremely reliable—which helps reduce downtime and maintenance as well as increasing productivity. We have a reputation for dependable service, ensuring your operations run smoothly. With every MMD Equipment product you purchase we strive to exceed your expectations, providing value in every aspect of our business relationship.

### ENGINE

- **Model:** Shibaura S773L-C
- **Engine Oil:** For use with 20w-50 grade oil, SAE 20.
- **Fuel:** Can be used with #2 diesel fuel.
- **Oil Cooler and Radiator:** Separate Side-by-Side Oil Cooler and Radiator
- **Separator Filter:** Internal
- **Oil Cooler Type:** External
- **Lubrication System Capacity:** 1.6 gph @ 70% Load, 2.4 gph @ 100% Full Load, 0.65 gph @ No Load
- **Air Outlets:** 3/4” x 2

### COMPRESSOR

- **Type:** Rotary Twin-Screw, Single-Stage
- **Engine:** Inline, Water-Cooled, Direct-Injected, Tier 2 Compliant
- **Engine Coupler:** Fiber Gear Direct Coupling
- **Noise level:** As low as 62 dBA at 23 feet when idling.
- **Improved unloader valve and air pressure regulator:** Maintain their attractive appearance.
- **Powder-coated finish and stainless steel hardware:** For easy maintenance.
- **An auto-sensing ECO-MODE:** Decreases receiver tank pressure.
- **Large, lockable doors with gas struts:** Virtually lift the lid.
- **Improved unloader valve and air pressure regulator:** Increase efficiency.
- **Larger tool compartments:** Hold 90-lb. breakers, various tools, accessories.
- **Interim Tier 4 compliant:** Inter-cooler
- **Cooler and Radiator:** Separate Side-by-Side Oil Cooler and Radiator

### OPERATING PARAMETERS

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<td>PDS185S - 6C2</td>
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<td>PDS400S-6C3</td>
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<tr>
<td>100 cfm</td>
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<td>185 cfm</td>
<td>175 cfm</td>
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<tr>
<td>120 psi</td>
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<td>120 psi</td>
<td>150 psi</td>
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<tr>
<td>7.92 gal</td>
<td>7.92 gal</td>
<td>5.56 gal</td>
<td>5.58 gal</td>
<td>25.88 gal</td>
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<tr>
<td>3/4” x 2</td>
<td>3/4” x 2</td>
<td>3/4” x 2</td>
<td>3/4” x 2</td>
<td>50Ax1, 20Ax2</td>
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<tr>
<td>Fiber Gear Direct Coupling</td>
<td>Fiber Gear Direct Coupling</td>
<td>Fiber Gear Direct Coupling</td>
<td>Fiber Gear Direct Coupling</td>
<td>Rubber Coupling</td>
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<tr>
<td>Forced by Compressed Air</td>
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<td>Forced by Compressed Air</td>
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<tr>
<td>External</td>
<td>External</td>
<td>External</td>
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<td>Internal</td>
</tr>
</tbody>
</table>

### PERFORMANCE

- **Sound Level:**
  - 68 dBA
  - 69 dBA @ 23 ft when idling
  - 73.6 dBA

### NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.