

AIR COMPRESSORS

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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

Super-quiet. Super-efficient. And super-profitable.

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.





The PDS185S Delivers Maximum Air Pressure & Fuel Efficiency.

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 PDS1855.



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 isn't 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.





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.

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. 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^{TW} rotor

edge profile to eliminate blow-by and

reduce internal friction.

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 backflow and allows multiple compressors to safely feed a common pressure tank in high-volume installations. The pressurized oiling system continuously lubricates and cools the mechanical components including rotors, gears and bearings. AIRMAN's All-seasons^{**} oil is specially formulated to provide unmatched compressor reliability and service life.

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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.



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AIR COMPRESSOR Specifications



COMPRESSOR
Туре
Free Air Delivery
Working Pressure
Max Working Pressure
Air Receiver Tank Capacity
Air Outlets
Engine Coupling Type
Lubrication System Type
Lubrication System Capacity
0" 0 I T
Uli Gooler Type
Separator Filter
ENGINE
Model
Туре
Cylinders
Displacement
Horsepower Net
Horsepower Gross
Low Idle
High Idle
Fuel Concumption
Fuel Consulty
Cooling System Canacity
Ail Canacity
Electrical System
WEIGHTS AND DIMENSIONS
Drv Weinht
Weight with Towing Frame
Weight w/o Towing Frame
Length with Towing Frame
Length w/o Towing Frame
Overall Width
Height with Towing Frame
Height w/o Towing Frame
Operating Weight
OPERATING PARAMETERS
Max Altitude
Max Ambient Temperature
Min Ambient Temperature
Max Incline
Sound Level

PDS100S	PDS130S	PDS185S - 6C2	PDS185S-5C2	PDS400S-6C3
Rotary Twin-Screw, Single-Stage	Rotary Twin-Screw, Single-Stage	Rotary Twin-Screw, Single-Stage	Rotary Twin-Screw, Single-Stage	Rotary Twin-Screw, Single-Stage
100 cfm	130 cfm	185 cfm	175 cfm	400 cfm
100 psi	100 psi	100 psi	100 psi	100 psi
120 psi	120 psi	120 psi	120 psi	150 psi
7.92 gal	7.92 gal	5.56 gal	5.56 gal	25.88 gal
3/4" x 2	3/4" x 2	3/4" x 2	3/4" x 2	50Ax1, 20Ax2
Fiber Gear Direct Coupling	Fiber Gear Direct Coupling	Fiber Gear Direct Coupling	Fiber Gear Direct Coupling	Rubber Coupling
Forced by Compressed Air	Forced by Compressed Air	Forced by Compressed Air	Forced by Compressed Air	Forced by Compressed Air
3.7 gal	3.7 gal	4.0 gal	4.0 gal	13.74 gal
Separate Side-by-Side Oil Cooler and Radiator	Separate Side-by-Side Oil Cooler and Radiator	Separate Side-by-Side Oil Cooler and Radiator	Separate Side-by-Side Oil Cooler and Radiator	Separate Side-by-Side Oil Cooler and Radiator
External	External	External	External	Internal
Shibaura S773L-C	Shibaura N843L-C	Yanmar 4TNV88-B	Yanmar 4TNV88-B	Isuzu 4JJ1X
Inline, Water-Cooled, Direct-Injected, Tier 2 Compliant	Inline, Water-Cooled, 4-Stroke, High-Swirl, Direct-Injected, Tier 2 Compliant	Interim Tier 4	Interim Tier 4	Inline, Water-Cooled, Direct-Injected, Tier 3 Compliant, Inter-cooler
3	3	4	4	4
69 cu in (1.130 L)	101.4 cu in (1.661 L)	133.6 cu in (2.189 L)	133.6 cu in (2.189 L)	183 cu in (2.999 L)
27.1 hp	37.5 hp	46.8 hp (34.9 kw)	45 hp (33.5 kw)	113.2 hp (84.4 kw)
		49.5 hp (36.4 kw)	48.8 hp (36.4 kw)	126.1 hp (94.0 kw)
1,950 rpm	1,600 rpm	1,300 rpm	1,300 rpm	1,300 rpm
3,500 rpm	3,000 rpm	3,000 rpm	3,000 rpm	2,200 rpm
1.6 gph @ Full Load, 1.2 gph @ 70% Load, 0.7 gph @ No Load	2.0 gph @ Full Load, 1.5 gph @ 70% Load, 0.8 gph @ No Load	2.4 gph @ 100% Full Load, 1.6 gph @ 70% Load, 0.65 gph @ No Load (with Auto-Idle)	2.4 gph @ 100% Full Load, 1.6 gph @ 70% Load, 0.65 gph @ No Load (with Auto-Idle)	5.3 gph @ 100% Full Load, 4.1 gph @ 70% Load, 2.0 gph @ No Load (with Auto-Idle)
18.5 gal	18.5 gal	24 gal	25 gal	47.02 gal
1.2 gal	1.72 gal	1.5 gal	2.5 gal	2.90 gal
1.3 gal	1.59 gal	2 gal	2 gal	3.96 gal
12-Volt, Maintenance-Free Battery	12-Volt, Maintenance-Free Battery	12-Volt, Maintenance-Free Battery	12-Volt, Maintenance-Free Battery	24-Volt, Maintenance-Free Battery
1,742 lbs	1,676 lbs	1,962 lbs (890 kgs) - no fuel	1,653 lbs (750 kgs) - no fuel	3,550 lbs
1,956 lbs	2,072 lbs	1,962 lbs	N/A	3,975 lbs
1,724 lbs	1,852 lbs	1,896 lbs	1,653 lbs.	3,550 lbs
116 in	116 in	128.7 in (3,217.5 mm)	N/A	157 in
62 in	62 in	74 in	78.7 in (2,000 mm)	105.5 in
57 in	57 in	66.9 in (1,700 mm)	33 in	57.26 in
57 in	57 in	59.8 in	N/A	64 in
39 in	39 in	38 in	45.3 in (1,150 mm)	47.63 in
		2,183 lbs.	1,896 lbs.	4,012 lbs.
4.001.6	4.001.00	4.001 ft (1.500 meters)	4 001 ft (1 500 meters)	4 001 ft (1 500 meters)
4,JZI IL	4,321 IL	4,321 IL (1,300 IIIELEIS)	4,521 IL (1,300 IIIELEIS)	
F degrees F		De degrege E (15 degrege C)	De degrees F (40 degrees C)	F degrees F
-J uegrees r	J UEYTEES F	5 uegrees F (-15 uegrees 6)	J uegrees F (-13 uegrees 6)	5 degrees F (-15 degrees 6)
io uegrees	io uegrees	io uegrees	io uegrees	io uegrees
68 dBA	68 dBA	62 dBA @ 23 ft when idling	69 dBA @ 23 ft when idling	73.6 dBA

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.





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