

# AIRMAN



## PDS185S-6C1 Air Compressor

### Engine Features

- 5 year, 5,000 hour standard Nissan warranty.
- EPA Tier III + CARB compliance.
- Improved engine output provides a 13% reduction of crankshaft speed and a 20% noise reduction.
- Quiet, direct fuel injected engine.
- Advanced design virtually eliminates diesel chatter.
- Enlarged fuel filter to assist in cleaning diesel fuel.

### Easier, Faster Service and Maintenance

- Engine oil and coolant drain to the outside of the machine.
- Hand-operated compressor oil and fuel drains require no tools.
- External oil/air separator filter and cartridge-type fuel filter reduce service time and cost.
- Side-by-side radiator and oil cooler are more efficient and easier to clean.

### Quiet, High-Efficiency Design

- Engine idles as low as 1,300 RPM to increase fuel economy and reduce component wear.
- Noise level is 63 dBA at 23 feet when idling, which is substantially quieter than competitors' machines.
- Free air delivery is increased due to a step-up ratio in the air-end.
- Operable at a maximum ambient temperature over 113° F due to an improved cooling system.

### 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.
- A larger tool compartment holds 90-lb. breakers, various tools and hoses.

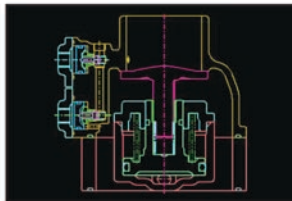
### Durable, Reliable Construction

- Engine is directly coupled to the air-end by a fiber gear coupler for improved power transmission and reduced vibrations.
- Improved unloader valve and air pressure regulator feature O-rings instead of diaphragms.
- Powder-coated finish and stainless steel hardware maintain their attractive appearance.



#### Tier III and CARB Compliant

Using an engine that achieves emission-reduction targets that comply with the EPA's rules governing the federal Clean Air Act and CARB's regulations, we offer you the first air compressor that complies with these regulations.



#### The Best Fuel Economy in its Class

Fuel economy is maximized by reducing resistance during air intake and discharge in addition to incorporating an auto-sensing ECO-MODE that decreases the pressure inside of the receiver tank during unloading.



#### Wider Stance & Large 14" Tires

A re-engineered lower center of gravity for greater towing stability is achieved by widening the leaf spring distance, adjusting the air-end position and by condensing the receiver tank, separator and manifold.



# Specifications

## AIRMAN PDS185S-6C1 Air Compressor

The **AIRMAN PDS185S-6C1**, distributed by MMD Equipment, is one of the most advanced 185 cfm air compressors available today. It retains its quiet functionality and user-friendly characteristics while remaining ruggedly dependable. Already ahead of government environmental regulations, the AIRMAN PDS185S-6C1 incorporates a Tier III internal combustion diesel engine with an auto idle feature which helps produce the best fuel economy for any air compressor in its class! Additional upgraded features included as standard equipment are: dual air cleaners, a wider stance for better towing stability, LED taillights, full-featured gauges, a diagnostic panel, improved fuel filtration, low fuel shutdown system, direct-line air intake, plus the simplified air and oil line routing design which improves serviceability and access to all components.

### The NEW version of the PDS185 has many improvements that include:

- Dual air-cleaners for better protection of the air-end.
- Wider stance for improved towing stability.
- LED taillights as standard equipment.
- Simplified air and oil line routing.
- Improved serviceability and access to components reduces down time.
- Lower emissions are enhanced even further by the auto idle feature which also increases fuel economy by approximately 20%.
- Direct-line air intake (no door air inlets and the rear louvers are designed to deter wind-driven rain).
- Full-featured gauges and diagnostic panel.
- Low fuel shut-down system.
- Improved fuel filtration system.
- Meets Tier III compliance requirements.
- Using AIRMAN's All Season Oil reduces oil service intervals by one-half (from 500 hours to 1000 hours) and increases the air compressor's "up-time".
- A standard 2 year air-end and coupler warranty is extendable to 5 years with the use of AIRMAN oil and filters available from MMD Equipment (see complete warranty for details).
- An enlarged toolbox can now house two breakers and keep them protected with lockable doors.

COMPRESSOR	
Free Air Delivery	185 CFM
Working Pressure	100 PSI
Air Outlets	3/4" x 2
ENGINE	
Model	Nissan TD27
Displacement	162.5 cu in
Horsepower (California Model)	55 HP (49 HP)
High Idle (California Model)	2,300 RPM (2,100 RPM)
Low Idle	1,250 RPM
CAPACITY	
Lubrication System Capacity	4.0 gal
Fuel Tank	25 gal
Engine Cooling Water Quantity	2.2 gal
Engine Oil	2.6 gal
OPERATING PARAMETERS	
Max Altitude	4,921 ft
Max Ambient Temperature	113 F°
Min Ambient Temperature	5 F°
Max Incline	15 Degrees
WEIGHTS & DIMENSIONS	
Length w/out Towing Frame	73.2 in
Width w/out Towing Frame	49 in
Height w/out Towing Frame	39.3 in
Dry Weight w/out Towing Frame	1,800 lbs
Weight w/out Towing Frame	2,040 lbs
Length with Towing Frame	128 in
Width with Towing Frame	66 in
Height with Towing Frame	55 in
Dry Weight with Towing Frame	2,342 lbs
Weight with Towing Frame	2,530 lbs



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