

100 CFM • Tier 4F Kubota Diesel Engine



Model PDS100S-6E1

Quiet, high-efficiency design

- Noise level is as low as 68 dBA at 23 feet when idling. This is substantially less noise than competitors' machines.
- Direct-injection engine meets strict new EPA Tier4F emission standards (PDS100S-6E1).

Top fuel economy

- The PDS100S-6E1 offers the best fuel economy for any air compressor in its class.
- Automatic engine idle drops speed to 1400 rpm when there is no load on the engine.
- Fuel economy is maximized by "throttling" or restricting the air intake, depending on demand.
- Auto-sensing ECO-MODE decreases receiver tank pressure during unloading.

Convenient access and storage

- Large, lockable gull-wing style doors with gas struts virtually lift themselves for easy one-hand access to tool storage and service components.
- Larger tool compartments hold breakers and other tools and hoses.

Durable, reliable construction

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

Easy maintenance

- External separate element.



AIRMAN Air Compressor Model PDS100S-6E1

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| PDS100S-6E1 | |
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| COMPRESSOR | |
| Type | Single-Stage, Oil Cooled |
| Free Air Delivery | 100 cfm |
| Working Pressure | 100 psig |
| Air Receiver Tank Capacity | 5.3 gal. |
| Air Outlets | ¾" x 2 |
| Engine Coupling Type | Fiber Gear Direct Coupling |
| Lubrication System Type | Pressure injected lubrication |
| Lubrication System Capacity | 2.9 gal. |
| Oil Cooler Type | Separate Side-by-Side Oil Cooler and Radiator |
| Separation Filter | Internal |
| DIESEL ENGINE | |
| Model | Kubota D100S-E4B |
| Type | Water-Cooled 3-Cycle, Direct-Injection, Tier 4F Compliant |
| Cylinders | 3 |
| Displacement | 61.08 cu.in. (1.001 L) |
| Horsepower | 24.8 hp (18.5 kw) |
| Low Idle / Eco Idle | 1,800/1,400 rpm |
| High Idle | 3,200 rpm |
| Fuel Consumption | 1.6 gph @ Full Load 1.0 gph @ 70% Load 0.6 gph @ No Load 0.5 gph @ Eco Idle |
| Fuel Capacity | 10.6 gal |
| Cooling System Capacity | 1.1 gal. |
| Oil Capacity | 1.2 gal. |
| Electrical System | 80D26Rx1 (12V) |
| WEIGHTS AND DIMENSIONS | |
| Dry Weight w/o Towing Frame | 1179 lb. (535 kg) |
| Dry Weight with Towing Frame | 1515 lb. (687 kg) |
| Operating Weight w/o Towing Frame | 1290 lb. (585 kg) |
| Operating Weight with Towing Frame | 1625 lb. (737 kg) |
| Length w/o Towing Frame | 63.6 in. (1615 mm) |
| Length with Towing Frame (including 2" ball hitch) | 120 in. (3048 mm) |
| Width w/o Towing Frame | 38.6 in. (980 mm) |
| Width with Towing Frame | 56 in. (1422 mm) |
| Height w/o Towing Frame | 36.6 in. (930 mm) |
| Height with Towing Frame | 55 in. (1397 mm) |
| OPERATING PARAMETERS | |
| Max. Altitude | 4921 ft. (1500 m) |
| Max. Ambient Temperature | 113° F |
| Min. Ambient Temperature | 5° F (-15° C) |
| Max. Incline | 15° |
| Sound Level | 68 dBA |

Features and specifications are subject to change without notice.



AIRMAN

MMD Equipment

4175 Guardian Street • Simi Valley, CA 93063
602 Dunton St. • San Antonio, TX 78226

Phone: 800-433-1382

Fax: 800-225-5579

www.mmdequipment.com