



AIRMAN®

MOBILE AIR COMPRESSORS

2025
FULL-LINE
BROCHURE



ANACORP.COM

BEST-IN-CLASS AIR COMPRESSORS

THE WORKHORSE OF AIR COMPRESSORS

The AIRMAN® PDS185LS utility mount air compressor is unmatched in performance and is known for workhorse durability under the most demanding conditions in any environment.

Powered by a 47.6 HP Yanmar® Tier 4F diesel engine, the utility mount compressor supplies 185 cfm at 100 psi. The engine is direct-coupled to the air end of the compressor and provides the best-in-class power transfer for continuous duty air compression. The PDS185LS air compressor can run over 10 hours at full load for ultra-reliable operation of handheld pneumatic tools and other air-driven equipment.

AIRMAN's leading utility mount compressor is designed for true curbside operation and ease of maintenance. A key start and intuitive digital monitor make for easy operation. Dual 3/4" air outlets provide fast hose connection and convenient external fluid drains allow quick servicing. The PDS185LS air compressor also features 110% fluid containment, the highest fuel efficiency in its class and an industry-low noise level of just 62 decibels.

PDS185LS UTILITY MOUNT

- 79"L x 33"W x 45"H
- 2,205 lbs Operating Weight
- Yanmar Diesel Engine
- Tier 4 Final Emissions Level
- 62 dBA Sound Level
- 1350 rpm Low Idle
- 3000 rpm High Idle
- 185 cfm @ 100 psi (Rated)
- 100 psig Working Pressure
- 25 gal Fuel Tank Capacity
- 2.4 gph Fuel Usage (Full Load)
- 110% Fluid Containment
- 5 Year Warranty (Air End)

PDS185LS UTILITY AIR COMPRESSOR KEY FEATURES



LOWEST SOUND
LEVEL / 62 dBA



HIGHEST FUEL
EFFICIENCY



10 HR RUNTIME
@ FULL LOAD



185 cfm
@ 100 psi



BEST-IN-CLASS
POWER TRANSFER



110% FLUID
CONTAINMENT

AIRMAN®



*Keyed Start and Digital Monitor
with fuel-saving AUTO IDLE Mode*

BEST-IN-CLASS POWER TRANSFER // FUEL EFFICIENCY // DECIBEL LEVEL RATING

ONLY



HAS THE INDUSTRY'S

LOWEST dBA HIGHEST QUALITY

For over 80 years AIRMAN® has led the way in quality-built mobile air compressors. With proven reliability and durability, AIRMAN's bulletproof air end supplies superior air compression to keep your jobs moving forward.

The AIRMAN mobile air compressor line ranges from 100 cfm to 400 cfm with both single and dual air pressure models. The PDS Series can run with maximum air volume (100-230 psi) for up to 10 hours – a full day of jobsite productivity. AIRMAN direct drive compressors feature best-in-class power transfer, noise levels from 62-76 dBA,* and industry-leading fuel efficiency.

All air compressors include powder-coated steel construction, stainless steel hardware, corrosion-proof air intakes and watertight door seals. Large gullwing doors and external fluid drains provide ease of maintenance and safe curbside servicing.

AIRMAN mobile air compressors feature CARB-compliant Tier4F engines; DEF tanks to scrub hazardous nitrogen oxides from diesel emissions; and fuel-saving auto idle modes (select models) for environmentally-friendly operation.

AIRMAN mobile air compressors outperform in any environment. Run with the best. **Run with AIRMAN.**

*Sound rating at 23'



PDS100S-6E1

100 cfm

100 psi

24.8 HP
Kubota®
T4 Diesel



PDS185S-6E1

185 cfm

100 psi

47.6 HP
Yanmar®
T4 Diesel



**PDS185LS-5E1
UTILITY**

185 cfm

100 psi

47.6 HP
Yanmar®
T4 Diesel



PDSG310DP-6E1
DUAL PRESSURE
270 cfm @ 200 psi

310 cfm

150 psi

110.4 HP
Kubota®
T4 Diesel



PDSF375DP-6E1
DUAL PRESSURE
330 cfm @ 150 psi

375 cfm

100 psi

110.4 HP
Kubota®
T4 Diesel



PDS400S-6E1

400 cfm

100 psi

110.4 HP
Kubota®
T4 Diesel

SEE THE FULL LINE AT ANACORP.COM

5 HIGHEST-QUALITY AIR COMPRESSORS

AIRMAN® VALUE-ADDED FEATURES



Digital Control Panel

AIRMAN PDS100-185/Utility models have an intuitive control panel with a key start and digital monitor. All other models feature a push-to-start button and touch screen display (above). Dual air pressure models include a handy selector switch for low and high pressure selection. Common display features include gauges for fuel, DEF tank and air pressure levels. Engine and maintenance status screens allow for efficient servicing and other user-friendly parameters are at your fingertips.

Best-in-Class

- /// Power Transfer
- /// Fuel Efficiency
- /// dBA Rating

Large Gullwing Doors (excludes PDS185LS)

Automotive Door Seals

QuieTech™ Sound Attenuation

Stainless Steel Hardware and Lift-off Hinges

Curbside Filter Servicing



OPTIONAL ACCESSORIES

ANA stocks a wide variety of genuine AIRMAN air compressor parts and model-specific accessories.

- Integrated Aftercooler
- Engine Block Heater
- Battery Blanket
- Hose Reel (Single or Dual)



▶ SEE THESE INDUSTRY-BEST AIR COMPRESSOR FEATURES

WATCH AIRMAN® PRODUCT VIDEOS ONLINE

WORLD-CLASS SUPPORT

ANA® manufactures and sells the industry's highest-quality equipment and provides complete sales and support for AIRMAN and Hokuetsu OEM products.

ANA service professionals are ready to keep your fleet in top condition with 24/7 on call technical support, parts processing, warranty assistance and product training. ANA's online knowledge base includes an extensive library of AIRMAN technical documents and access to SmartEquip® – the premier fleet support platform for parts and service information.

→ Online at www.anacorp.com/support



SmartEquip®

E2: ECONOMY AND ECOLOGY

AIRMAN's exclusive E2 airflow technology works to deliver the most efficient air compressors in the field while offering features that are both highly productive and earth friendly for any working environment.

E2 airflow technology is a standard feature on every AIRMAN air compressor and is designed to maximize the efficient use of a direct drive engine to the air end of the compressor. Fewer moving parts results in less wear and tear and less power lost during operation. AIRMAN's ultra-efficient direct

drive compressors supply best-in-class power transfer making them ideal for industrial and construction jobsites.

AIRMAN compressors include ECO and AUTO ECO operating modes that automatically lower the engine rpm when engine loads are reduced. In ECO mode, fuel consumption and noise levels can be minimized during light load work with sub-1400 rpm idle speed. AUTO ECO mode maintains an idle speed of 1800 rpm for a predetermined time and will lower to 1400 rpm during extended periods of unloading. This smooth and responsive change in engine loading provides greater fuel savings during heavy compressor demand. E2 airflow technology also promotes air regulation that is linearly matched with engine speed to lower fuel usage.

AIRMAN's air compressors with E2 airflow technology include beneficial features that are environmentally friendly. The auto-idling ECO modes lower diesel fuel consumption and reduce airborne emissions. The PDS185L air compressor includes built-in oil fences for 110% fluid containment.



COMPLETE PRODUCT SUPPORT FROM ANA

AIRMAN[®] SPECIFICATIONS

| AIR COMPRESSOR SPECIFICATIONS | PDS100S-6E1 | PDS185S-6E1 | PDS185LS-5E1 | PDSG310DP-6E1 | PDSF375DP-6E1 | PDS400S-6E1 |
|----------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| COMPRESSOR TYPE | Single-stage, oil cooled, screw-type | Single-stage, oil cooled, screw-type | Single-stage, oil cooled, screw-type | Dual-pressure, oil cooled, screw-type | Dual-pressure, oil cooled, screw-type | Single-stage, oil cooled, screw-type |
| FREE AIR DELIVERY | 100 cfm | 185 cfm | 185 cfm | 310 cfm @ 150 psi 270 cfm @ 200 psi | 375 cfm @ 100 psi 330 cfm @ 150 psi | 400 cfm |
| WORKING PRESSURE | 100 psig | 100 psig | 100 psig | 150 psig | 100 psig | 100 psig |
| WORKING PRESSURE, MAXIMUM | 120 psig | 120 psig | 120 psig | 230 psig | 175 psig | 120 psig |
| WORKING PRESSURE, MINIMUM | | | | 58 psig | | |
| AIR RECEIVER TANK CAPACITY | 5.3 gal | 5.29 gal | 5.3 gal | 20.3 gal | 20.3 gal | 20.3 gal |
| AIR OUTLETS | 3/4" x 2 | 3/4" x 2 | 3/4" x 2 | 2" x 1, 3/4" x 2 | 2" x 1, 3/4" x 2 | 2" x 1, 3/4" x 2 |
| ENGINE COUPLING TYPE | Direct Coupling | Direct Coupling | Direct Coupling | Rubber Coupling | Rubber Coupling | Rubber Coupling |
| LUBRICATION SYSTEM TYPE | | | | Forced lubrication by compressed pressure | | |
| LUBRICATION CAPACITY | 2.9 gal | 3.96 gal | 2.9 gal | 10.6 gal | 10.6 gal | 10.6 gal |
| OIL COOLER TYPE | | | | Separate side-by-side oil cooler and radiator | | |
| SEPARATION FILTER | Internal | External | External | Internal | Internal | Internal |
| ENGINE SPECIFICATIONS | | | | | | |
| ENGINE | Kubota D1005-E48 | Yanmar 4TNV88C-DHKS | Yanmar 4TNV88C-HHKS | Kubota V3800 | Kubota V3800 | Kubota V3800 |
| EPA EMISSION LEVEL | EPA Tier 4 Final | | | | | |
| ENGINE TYPE | Water-cooled, 3-cycle, direct-injection, Tier4F and CARB compliant | Water-cooled, 3-cycle, direct-injection, Tier4F and CARB compliant | Water-cooled, 3-cycle, direct-injection, Tier4F and CARB compliant | Water-cooled, 3-cycle, direct-injection, turbocharged air-to-air intercooled, EGR, DOC+DPF, SCR, Tier4F and CARB compliant | Water-cooled, 3-cycle, direct-injection, turbocharged air-to-air intercooled, EGR, DOC+DPF, SCR, Tier4F and CARB compliant | Water-cooled, 3-cycle, direct-injection, turbocharged air-to-air intercooled, EGR, DOC+DPF, SCR, Tier4F and CARB compliant |
| NUMBER OF CYLINDERS | 3 | 4 | 4 | 4 | 4 | 4 |
| DISPLACEMENT | 61.08 cu.in. (1.001 L) | 133.6 cu.in. (2.189 L) | 133.6 cu.in. (2.189 L) | 230 cu.in. (3.769 L) | 230 cu.in. (3.769 L) | 230 cu.in. (3.769 L) |
| HORSEPOWER | 24.8 HP | 47.6 HP | 47.6 HP | 110.4 HP | 110.4 HP | 110.4 HP |
| LOW IDLE | 1800 / 1400 rpm | 1350 rpm | 1350 rpm | 1300 rpm | 1300 rpm | 1350 rpm |
| HIGH IDLE | 3200 rpm | 3000 rpm | 3000 rpm | 2400-2700 rpm | 2400-2700 rpm | 2600 / 2400-2700 rpm |
| FUEL TANK CAPACITY | 10.6 gal | 24.0 gal | 25.0 gal | 47.0 gal | 47.0 gal | 47.0 gal |
| ENGINE COOLING SYSTEM CAPACITY | 1.1 gal (4.1 L) | 1.93 gal | 1.8 gal | 4.1 gal | 4.1 gal | 4.1 gal |
| ENGINE OIL CAPACITY | 1.2 gal (4.5 L) | 1.95 gal | 1.95 gal | 3.4 gal | 3.4 gal | 3.4 gal |
| BATTERY TYPE / ELECTRICAL SYSTEM | 85D28R 12V maintenance-free battery | 95D31R 12V maintenance-free battery | 95D31R 12V maintenance-free battery | 130F51 12V maintenance-free battery | 130F51 12V maintenance-free battery | 130F51 12V maintenance-free battery |
| BATTERY RATING | 525 CCA, 75 Ah | 565 CCA, 80 Ah | 566 CCA, 80 Ah | 695CCA, 120Ah | 695 CCA, 120 Ah | 695 CCA, 120 Ah |
| FUEL CONSUMPTION | | | | | | |
| FULL LOAD | 1.6 gal/hr | 2.4 gal/hr | 2.4 gal/hr | 5.47 gal/hr | 5.0 @ 100 psi, 5.1 @ 150 psi | 4.62 gal/hr |
| 70% LOAD | 1.0 gal/hr | 1.7 gal/hr | 1.7 gal/hr | N/A | 3.75 @ 100 psi, 3.825 @ 150 psi | N/A |
| NO LOAD | 0.6 gal/hr | 0.8 gal/hr | 0.8 gal/hr | N/A | 2.5 @ 100 psi, 2.55 @ 150 psi | N/A |
| ECO-IDLE | 0.5 gal/hr | N/A | N/A | N/A | N/A | N/A |
| WEIGHTS & DIMENSIONS | | | | | | |
| L x W x H WITHOUT TOWING FRAME | 64" x 39" x 37" | 76" x 49" x 45" | 79" x 33" x 45" | 106" x 57" x 58" | 106" x 55" x 60" | 106" x 55" x 60" |
| L x W x H WITH TOWING FRAME | 120" x 56" x 55" | 132" x 68" x 62" | N/A | 174" x 57" x 69" | 174" x 57" x 69" | 174" x 57" x 69" |
| WEIGHT WITH TOWING FRAME | 1515 lb | 2420 lb | N/A | 3975 lb | 3975 lb | 3975 lb |
| OPERATING WEIGHT | 1625 lb | 2620 lb | 2205 lb | 4275 lb | 4233 lb | 4012 lb |
| DRY WEIGHT | 1179 lb | 2120 lb | 1985 lb | 3780 lb | 3737 lb | 3550 lb |
| OPERATION | | | | | | |
| AMBIENT TEMPERATURE, MINIMUM | 5° F | | | | | |
| INCLINE, MAXIMUM | 15° | | | | | |
| SOUND LEVEL | 68 dBA | 62 dBA | 62 dBA | 76 dBA | 76 dBA | 76 dBA |

All specifications are subject to change without prior notice. Visit anacorp.com for the most current information.

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