

AIRMAN®

Air Compressors



AIRMAN®

Built with the features you need...

Large gullwing doors
for fast and easy servicing

Lowest noise level in the industry:
62 dBA @ 23 feet

Large storage area
holds a 90 pound
paving breaker



Best-in-class power transfer —
engine is direct coupled to the air
end using a fiber coupler

PDS185S-6E1
185 cfm Free Air Delivery
Yanmar T4 Diesel Engine with
5 year, 5000 hour air end warranty*

Asymmetrical rotor profiles minimize
wear and eliminate air blow-by

1350 rpm at low idle for
best-in-class fuel efficiency

Excellent warranty

- **1 year 1500 hour** bumper-to-bumper warranty
- **2 year 2000 hour** air end warranty
- **5 year 5000 hour** warranty* on the air end if you use genuine Airman oil and filters

Quality — Strong, Durable Construction
Value — Low Maintenance, High Resale
Reliability — Minimal Down Time

Air Compressors

PDS100S-6E1

100 cfm Free Air Delivery
Kubota Diesel Engine with
5 year, 5000 hour air end warranty*



PDS185L-5E1

185 psi @ 330 cfm
Yanmar T4 Diesel Engine with
5 year, 5000 hour air end warranty*

PDSG310DP-6E1

200 psi @ 270 cfm
or 150 psi @ 310 cfm
Kubota T4 Diesel Engine with
5 year, 5000 hour air end warranty*



PDS375DP-6E1

150 psi @ 330 cfm
or 100 psi @ 375 cfm
Kubota T4 Diesel Engine with
5 year, 5000 hour air end warranty*

PDS400S-6E1

400 cfm Free Air Delivery
Kubota T4 Diesel Engine with
5 year, 5000 hour air end warranty*



* 5 year 5000 hour air end warranty if you use genuine Airman oil and filters.

Airman Air Compressor Specifications

Model	PDS100S-6E1	PDS185S-6E1	PDS185L-5E1	PDSG310DP-6E1	PDS375DP-6E1	PDS400S-6E1
COMPRESSOR						
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	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 @100psi 330 cfm @150psi	400 cfm
Working Pressure	100 psig	100 psig	100 psig	150 psig	100 psig	102 psig
Max. Working Pressure	120 psig	120 psig	185 psig	200 psig	150 psig	125 psig
Air Receiver Tank Capacity	5.3 gal.	5.29 gal.			20.3 gal.	25.88 gal
Air Outlets	¾" x 2	¾" x 2	¾" x 2	2" x 1; ¾" x 2	2" x 1; ¾" x 2	2" x 1; ¾" c 2
Engine Coupling Type	Direct Coupling	Direct Coupling	Direct Coupling	Rubber Coupling	Rubber Coupling	Rubber Coupling
Lubrication System Type	Forced Lubrication by compressed pressure	Forced Lubrication by compressed pressure	Forced Lubrication by compressed air	Forced Lubrication by compressed air	Forced Lubrication by compressed air	Forced Lubrication by compressed air
Lubrication System 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	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
Separation Filter	Internal	External	External	Internal	Internal	Internal
ENGINE						
Model	Kubota D1005-E48	Yanmar 4TNV88C-DHKS	Yanmar 4TNV88C-HHKS / Tier 4 Final	Kubota V3800 / Tier 4 Final	Kubota V3800 / Tier 4 Final	Kubota V3800 / Tier 4 Final
Type	Water-Cooled, 3-Cycle, Direct-Injection, Tier 4F and CARB Compliant	Water-Cooled 4-Cycle, Direct-Injection, Tier 4F & CARB Compliant	Water-Cooled 4-Cycle, Direct-Injection, Tier 4F & CARB Compliant	Water-Cooled 4-Cycle, Direct-Injection, Turbocharged Air-to-Air Intercooled, EGR, DOC+DPF, SCR Tier 4F & CARB Compliant	Water-Cooled 4-Cycle, Direct-Injection, Turbocharged Air-to-Air Intercooled, EGR, DOC+DPF, SCR Tier 4F & CARB Compliant	Water-Cooled 4-Cycle, Direct-Injection, Turbocharged Air-to-Air Intercooled, EGR, DOC+DPF, SCR Tier 4F & CARB Compliant
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	108 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 Consumption	1.6 gph @ Full Load 1.0 gph @ 70% Load 0.6 gph @ No Load 0.5 gph @ Eco-idle	2.4 gph @ Full Load 1.7 gph @ 70% Load 0.8 gph @ No Load	2.4 gph @ Full Load 1.7 gph @ 70% Load 0.8 gph @ No Load	5.47 gph @ Full Load	5 gph @ 100psi; 5.1 gph @ 150 psi @ Full Load 3.75 gph @ 100psi; 3.825 gph @ 150psi @ 70% Load 2.5 gph @ 100psi; 2.55 gph @ 150 psi	4.62 gph @ Full Load
Fuel Capacity	10.6 gal.	24.0 gal.	25.0 gal.	47.0 gal.	47.0 gal.	47.0 gal.
Cooling System Capacity	1.1 gal.	1.93 gal.	1.8 gal.	4.1 gal.	4.1 gal.	4.1 gal.
Oil Capacity	1.2 gal.	1.95 gal.	1.95 gal.	3.4 gal.	3.4 gal.	3.4 gal.
Electrical System	12-Volt, Maintenance-Free Battery	12-Volt, Maintenance-Free Battery	12-Volt, Maintenance-Free Battery	130F51x1 (12V) Maintenance-Free Battery	130F51x1 (12V) Maintenance-Free Battery	130F51x1 (12V) Maintenance-Free Battery
WEIGHTS AND DIMENSIONS						
Dry Weight	1179 lb.	2120 lb.	1985 lb.	3,780 lb.	3737 lb.	3550 lb.
Weight with Towing Frame	1515 lb.	2420 lb.	N/A		3975 lb.	3975 lb.
LxWxH w/o Towing Frame	64" x 39" x 37"	76" x 49" x 45"	79" x 33" x 45.3"	106" x 57" x 48"	106" x 55" x 60"	106" x 55" x 60"
LxWxH with Towing Frame	120" x 56" x 55"	132" x 68" x 62"	N/A		174" x 57" x 69"	174" x 69" x 69"
Operating Weight	1625 lb.	2620 lb.	2205 lb.	4275 lb.	4233 lb.	4012 lb.
OPERATING PARAMETERS						
Min. Ambient Temperature	5° F	5° F	5° F	5° F	5° F	5° F
Max. Incline	15°	15°	15°	15°	15°	15°
Sound Level	68 dBA	62 dBA	62 dBA	76 dBA	76 dBA	76 dBA

Note: All specifications are subject to change without notice.

Alliance North America, Inc. is committed to supplying the highest quality products with unmatched performance that maintain their value over time. Delivery of AIRMAN products is only the beginning of our commitment to our customers. With dedicated parts and service, from the first handshake to the last oil change, we are here to keep your AIRMAN making you dollar after dollar.



Alliance North America
 Phone: 562-450-3570
 E-mail: sales@anacorp.com
 www.anacorp.com

California: 11100 Hope Street • Cypress, CA 90630
 Texas: 10440 Brockwood Road • Dallas, Texas 75238
 South Carolina: 4220 S. Church St. • Roebuck, SC 29376

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