

LEGENDARY RELIABILITY.



AIR COMPRESSORS

• Printer Friendly Version



Model PDS100S
View Features



Model PDS130S
View Features



Model PDS185S
View Features



Model PDS400S
View features

COMPRESSOR

	PDS100S	PDS130S	PDS185S	PDS400S
Type	Rotary Twin Screw, Single Stage	Rotary Twin Screw, Single Stage	Rotary Twin Screw, Single Stage	Rotary Twin Screw, Single Stage
Free Air Delivery	100 cfm	130 cfm	185 cfm	400 (375) cfm
Working Pressure	100 psi	100 psi	100 psi	100 psi
Max. Working Pressure	120 psi	120 psi	120 psi	120 psi
Air Receiver Tank	1.06 cu ft	1.06 cu ft	1.06 cu ft	3.46 cu ft
Air Outlets	3/4" x 2	3/4" x 2	3/4" x 2	3/4" x 2 PLUS 1-1/14" x 1
Engine Coupling Type	Fiber Gear Direct Coupling	Fiber Gear Direct Coupling	Fiber Gear Direct Coupling	Rubber Coupling
Lubrication System Type	Forced by Compressed Air	Forced by Compressed Air	Forced by Compressed Air	Forced by Compressed Air
Lubrication System Capacity	3.4 gal	3.7 gal	4.2 gal	13.5 gal
Oil Cooler Type	Separate	Separate	Separate	Separate
Separator	External	External	External	Internal

DIESEL ENGINE

	PDS100S	PDS130S	PDS185S	PDS400S
Model	ISUZU 3LB1	Shibaura N843L-C	NISSAN TD2714	Isuzu DD-4BG1T
Type	In-line, Water Cooled, Direct- Injected, Tier 2-Compliant	Inline, Water-Cooled, 4-Stroke, High-Swirl, Tier 2 Compliant	Inline, Water-Cooled, 4-Stroke, High-Swirl, Tier 2 Compliant	4-Cycle, Water Cooled, Direct Injected, Turbocharged, Tier 2-Compliant
Cylinders	3	3	4	4
Displacement	68.6 cu. in	101.4 cu in	162.5 cu. in	264 cu in
Horsepower	27.1 hp	37.5 hp	51 hp/49 hp*	108 hp
Max Torque	44.1 ft-lb/2,000 rpm	73.5 ft-lb/2,200 rpm	106.9 ft/lbs/2500 rpm	271 ft-lb/1,800 rpm
Low Idle	1,950 rpm	1,600 rpm	1,300 rpm	1,300 rpm
High Idle	3,500 rpm	3,000 rpm	2,600 rpm	400 rpm
Fuel Consumption	1.6 gph @ Full Load 1.2 gph @ 70% Load 0.6 gph @ No Load	2.0 gph @ Full Load 1.5 gph @ 70% Load 0.8 gph @ No Load	2.6 gph @ Full Load 2.0 gph @ 70% Load 0.9 gph @ No Load	5.5 gph @ Full Load 4.0 gph @ 70% Load 2.0 gph @ No Load
Fuel Capacity	18.5 gal	18.5 gal	24 gal	43.6 gal
Cooling System Capacity	1 gal	1.72 gal	2.2 gal	3.4 gal
Oil Capacity	1.59 gal	1.59 gal	3.17 gal	3.4 gal
Electrical Sytem	12-Volt, Maintenance-Free Battery	12-Volt, Maintenance-Free Battery	12-Volt, Maintenance-Free Battery	24-Volt, Maintenance-Free Battery

WEIGHT S AND DIMENSIONS

	PDS100S	PDS130S	PDS185S	PDS400S
Dry Weight	1,157 lbs	1,676 lbs	2,029 lbs	3,638 lbs
Weight with Towing Frame	1,956 lbs	2,072 lbs	2,492 lbs	4,553 lbs
Weight w/o Towing Frame	1,724 lbs	1,852 lbs	2,260 lbs	4,079 lbs
Length with Towing Frame	116 in	116 in	127 in	156 in
Length w/o Towing Frame	62 in	62 in	73 in	96 in
Overall Width	57 in	57 in	57 in	57 in
Height with Towing Frame	57 in	57 in	57 in	63 in
Height w/o Towing Frame	39 in	39 in	39 in	46 in

OPERATING PARAMETERS


	PDS100S	PDS130S	PDS185S	PDS400S
Max Altitude	4921 ft	4921 ft	4921 ft	4921 ft
Max Ambient Temperature	113 degrees F	113 degrees F	113 degrees F	113 degrees F
Min Ambient Temperature	-5 degrees F	-5 degrees F	-5 degrees F	-5 degrees F
Max Incline	15 degrees	15 degrees	15 degrees	15 degrees
Sound Level	65 dBA	70 dBA	63 dBA	74.5 dBA

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Airman PDS185S offers the best warranty in the business. Here's why...

AIRMAN WARRANTY TERM - The complete machine within 1 year of the original purchase date. The air-end within 2 years from the original purchase date. (A 5-year air-end warranty is available based on exclusive use of Airman Oil and filters). Internal parts of the Isuzu, Nissan or Shibaura engine within 5 years of the original purchase date or 5,000 hours whichever occurs first.

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