

AIRMAN
MOBILE AIR COMPRESSORS



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PDSF750DP

750 cfm
@ 100 psi

630 cfm
@ 150 psi



PERFORMANCE //

- 1 - Digital Touch Screen
- 2 - Emergency Shut-off Button
- 3 - Quick Access Air Connections
- 4 - Direct Coupled Engine to Air
- 5 - QuieTech™ Sound Attenuation
- 6 - E2 Airflow Technology

MAINTENANCE //

- 7 - Large Gullwing Doors
- 8 - Compressor Oil Access Door
- 9 - Exterior Service Drains
- 10 - Front SCR Access Panel

CONSTRUCTION //

- 11 - Powder-coated Steel Enclosure
- 12 - Stainless Steel Hardware
- 13 - Lockable Access Doors
- 14 - Automotive Door Seals
- 15 - 87 Gallon Fuel Tank
- 16 - Heavy-Duty Steel Trailer



Kubota® V5009
Tier 4 / CARB
Diesel Engine



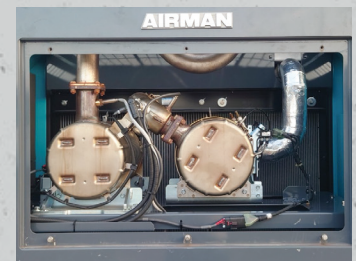
1.2 | Digital Touch Screen Control with Power Switch, Start Button, & Emergency Shut-off Button



3 | Quick Access Air Connections
3/4" Ball Valve x 2 | 2" Ball Valve x 1



9 | Exterior Service Drains
Quick drain valves for the Radiator, Oil Cooler and Engine Oil fluids



10 | Front-mounted SCR System
Convenient access for easy servicing

BEST-IN-CLASS POWER TRANSFER // FUEL EFFICIENCY \\\ dB A RATING
THE INDUSTRY'S HIGHEST-QUALITY MOBILE AIR COMPRESSORS

COMPRESSOR MODEL PDSF750DP



AIR COMPRESSOR SPECIFICATIONS	
COMPRESSOR TYPE	Single-stage Oil Cooled, Screw Type
DUAL PRESSURE 750 CFM @ 100 PSI	
ACTUAL FREE AIR DELIVERY	750 CFM
WORKING PRESSURE	100 psig
WORKING PRESSURE (MAXIMUM)	110 psig
WORKING PRESSURE (MINIMUM)	58 psig
DUAL PRESSURE 630 CFM @ 150 PSI	
ACTUAL FREE AIR DELIVERY	630 CFM
WORKING PRESSURE	150 psig
WORKING PRESSURE (MAXIMUM)	165 psig
WORKING PRESSURE (MINIMUM)	58 psig
COMPRESSOR LUBRICATING OIL CAP.	17.4 gal (66 L)
COMPRESSOR LUBRICATING SYSTEM	Forced Lubrication by Compressed Air
DRIVING SYSTEM	Direct Drive w/ Rubber Damper Coupling
RECEIVER TANK CAPACITY	43 gal/min (163 L)
AIR SERVICE VALVES	3/4" Male Ball Valve x 2 2" Female Ball Valve x 1
SEPERATION FILTERS	Internal Oil Separator Filter
OIL COOLER TYPE	Seperate Side-by-Side Oil Cooler and Radiator
COMPRESSOR OIL FILTER	Spin-on Cartridge Type
SOUND dBA RATING	76 dBA
ENGINE MAKE & MODEL	KUBOTA®V5009-TIEF5B-COHE-1
ENGINE TYPE	Water-Cooled 4-Cycle Direct Injection Feeder w/ Intake Cooler
ASPIRATION	Turbocharged + Turbo After Cooler
NUMBER OF CYLINDERS	4
ENGINE DISPLACEMENT	306.2 cu in
HORSEPOWER RATING	195.1HP / 145.5 kW
SAE BRAKE HORSEPOWER (@ 2200 RPM)	207.9 HP / 155 kW

OPERATING SPEEDS (LOW/HIGH IDLE)	
(LOW IDLE) 750 CFM @100 PSI	1100 rpm
(LOW IDLE) 630 CFM @150 PSI	1300 rpm
(HIGH IDLE) 750 CFM @100 PSI	1900 rpm
(HIGH IDLE) 630 CFM @150 PSI	2200 rpm
EPA TIER 4F CARB EMISSION CERTIFIED	Tier 4 Final, Model Year 2024 EPA 6 CARB Certification
EMISSIONS TIER	EPA Tier 4 Final
EMISSIONS TYPE	DOC, DPF, SCR
FUEL TANK CAPACITY	87.0 gal (330L)
FUEL FILTER QUANTITY/TYPE	1 Sedimentor, 1 Fuel Filter
FUEL PUMP	Fuel Air-bleeding Electric Pump w/ Filter
DIESEL EXHAUST FLUID (DEF) CAPACITY	10.6 gal (40L)
DEF CONSUMPTION FULL LOAD 750 cfm @ 150 PSI	0.36 gal/hr (1.38 L/H)
ENGINE OIL CAPACITY	5.0 gal (19L)
COOLANT CAPACITY	7.8 gal (29.5L)
ELECTRICAL SYSTEM - VOLTAGE	24V, 60A Alternator
BATTERY RATING	1050CCA
BATTERY GROUP	9040 x 2 24V Maintenance Free Battery
AMBIENT TEMPERATURE (MIN/MAX)	5°F to 104°F, Humidity < 80%
OPERATING ALTITUDE (MAXIMUM)	4,921 ft
RUNTIME (FULL LOAD / 70% LOAD @ 150 psi)	10.2 hrs / 13.8 hrs
CONTAINMENT	No Fluid Containment
FUEL CONSUMPTION	
FUEL LOAD 750 CFM @100 PSI	9.1 gal/hr (34.5 L/hr)
FUEL LOAD 630 CFM @150 PSI	8.6 gal/hr (32.5 L/hr)
70% LOAD 750 CFM @100 PSI	6.2 gal/hr (23.5 L/hr)
70% LOAD 630 CFM @150 PSI	6.3 gal/hr (24 L/hr)
NO LOAD 750 CFM @100 PSI	3.0 gal/hr (11.5 L/hr)
NO LOAD 630 CFM @150 PSI	4.5 gal/hr (17 L/hr)

WEIGHTS & DIMENSIONS	
LENGTH x WIDTH x HEIGHT	141.7" x 64.2" x 63"
DRY WEIGHT	6,812 lbs
OPERATING WEIGHT	7,694 lbs
LENGTH	141.7"
WIDTH	64.2"
HEIGHT	63"
TOWING PACKAGE	
LENGTH x WIDTH x HEIGHT	203.9" x 88.6" x 87.6"
LENGTH	203.9"
WIDTH	88.6"
HEIGHT	87.6"
OPERATING WEIGHT w/TOWING (GVWR)	8,774 lbs
TOWING SPEED (MAXIMUM)	65 mph - Conditions Permits
TRACK WIDTH	75.6"
WHEEL SIZE - TIRE RATING	ST235 / 80R16 / 3,420 lbs @ 80 psi
NUMBER OF AXLES / RATING	2 Spring Axles / 5,250 lbs each
BRAKING TYPE	Electric w/Breakaway Battery System
LIGHTING TYPE	LED
ADJUSTABLE HITCH HEIGHT	3-Position
COMPLIANCE & CERTIFICATIONS	
FLUID CONTAINMENT	No Fluid Containment
USA DOT COMPLIANT	Meets FMVSS
CSA LISTED	Not CSA Listed
TRANSPORT CANADA COMPLIANT	Transport Canada Compliant
DIESEL ENGINE EPA TIER LEVEL	Tier 4 Final 6 CARB Compliant

All specifications are subject to change without prior notice.
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OPTIONAL ACCESSORIES

CCV HEATER	Crankcase Ventilation Heater
HFF	Heated Fuel Filter
EBH	Engine Block Heater
LRHH	Lower Radiator Hose Heater
BHH	Heated Battery Blanket - Installed
HRCK	Heated Regulator Compressor Kit
RPM-OES	RPM - Oil Evacuation System



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