

Air N Arc[®] ALL-IN-ONE Power Systems[®] and PowerFlex[™] Modular Systems



Air N Arc[®] 150 • Air N Arc[®] 250-L • Air N Arc[®] 300 Series • PowerFlex[™] Series

Six Power Sources in One Unit — No Added Welders or Hydraulic Pumps Needed!

Air Compressor / Generator / Welder / Battery Boost / Battery Charge / Hydraulic Pump

The Air N Arc® ALL-IN-ONE Power Systems® provides up to six forms of power in one compact machine that increases performance while reducing cost and downtime. Featuring configurations consisting of a welder, generator, air compressor, battery booster, battery charger and hydraulic pump, the Air N Arc® product line provides you with a complete mobile workstation on the back of your truck.



AIR N ARC® 150



Reciprocating Air Compressor | Generator | Welder | Battery Booster | Battery Charger



SPECIFICATIONS

Engine	14 HP Kohler® or 19 HP Kohler®
Air Compressor	Type: Reciprocating CFM Rating: 20 CFM Max Pressure: 150 PSI
Generator	5 kW Peak, 4.2 kW Continuous, AC Power, 60 Hz, Single Phase, 120V and 240V Outlets
Welder	14 HP Stand-Alone: CC: 40-190 AMPs Operating Range 19 HP with Remote Panel : CC: 40-190 AMPs, CV: 15-30V
Battery Charger/Booster	190 AMPs 12V/24V Boost, 50 AMP 12V Charge (Optional for 19 HP Engine Only)
Drive System	Belt Driven
Fuel Capacity	1.9 Gal. (Kohler® 14) or 4.5 Gal., 11.5 Gal. or Tied to Chassis (Kohler® 19)

Air N Arc® 150 Unit Dimensions (In.):
51.5L x 21.0W x 31.2H - 10 Gal. Kohler® 14 HP
50.7L x 19.2W x 40.8H - 30 Gal. Kohler® 14 HP
48.2L x 22.2W x 40.8H - 30 Gal. Kohler® 19 HP

50.3L x 18.2W x 24.2H - Skid Mount Kohler® 14 HP
48.1L x 22.4W x 24.2H - Skid Mount Kohler® 19 HP
Dry Weight (Lbs.): 345-565 (Depending on Platform)



AIR N ARC 250-L



Reciprocating Air Compressor | Generator | Welder | Battery Booster | Battery Charger



SPECIFICATIONS	
Engine	23 HP Kohler®
Air Compressor	Type: Reciprocating CFM Rating: 24 CFM Max Pressure: 175 PSI
Generator	5 kW Continuous, AC Power, 60 Hz, Single Phase, 120V and 240V Outlets
Welder	High Frequency DC Welding, 250 AMPS at 100% Duty Cycle CC: 40-250 AMPS Operating Range, CV: 15-30 Volts
Battery Charger/Booster	5 kW Continuous, AC Power, 60 Hz, Single Phase, 120V and 240V Outlets
Drive System	Belt Driven
Fuel Capacity	11 Gal. or Tied to Chassis

Air N Arc® 250-L Unit Dimensions with Fittings (In.):
46.1" L x 21.2" W x 26.9"H - Skid Mount
46.1" L x 21.4" W x 47.5" H - 30 Gallon Air Tank
47.5" L x 22.3" W x 45.4" H - 30 Gallon with Fuel Tank
Dry Weight (Lbs.): 370-548 (depending on platform)

Instrument Panel Dimensions with Fittings (In.):
Without Spacer: 13.13" L x 6.8" W x 13.25" H
With Spacer: 13.13" L x 11" W x 13.25" H



AIR N ARC 300 GAS & DIESEL



Reciprocating Air Compressor | Generator | Welder | Battery Booster | Battery Charger



SPECIFICATIONS	
Engine	Diesel: 25 HP Kubota®, Liquid Cooled (Tier 4 Compliant) Gas: 26.5 HP EFI Kohler®, Air Cooled
Air Compressor	Type: Rotary Screw Max Pressure: 175 PSI CFM Rating: 40 CFM
Generator	7 kW Peak - 6.8 kW Continuous, AC Power, 60 Hz, Single Phase, 120V and 240V Outlets
Welder	High Frequency DC Welding, 270 AMPS at 100% Duty Cycle CC: 40-300 AMPS Operating Range, CV: 15-30 Volts
Battery Charger/Booster	300 AMPS 12V/24V Boost, 50 AMP 12V Charge
Drive System	Belt Driven
Fuel Capacity	12 Gal. Integral Tank (Optional Remote Tank or Tied to Chassis)

Air N Arc® 300 Gas Unit Dimensions (In.):
Foot Print: 47.1L x 21.5W x 30.9H
With Fittings: 47.1L x 24.6W x 30.9H
Dry Weight (Lbs.): 700



Air N Arc® 300 Diesel Unit Dimensions (In.):
Foot Print: 47.5L x 21.0W x 33.4H
With Fittings: 48.0L x 25.0W x 33.4H
Weight (Lbs.): 883



AIR N ARC® 300 COMPACT GAS & DIESEL



Reciprocating Air Compressor | Generator | Welder | Battery Booster | Battery Charger



*Low profile and ideal for slide out drawer application

SPECIFICATIONS

Engine	Diesel: 25 HP Kubota®, Liquid Cooled (Tier 4 Compliant) Gas: 26.5 HP Kohler®, Air Cooled
Air Compressor	Type: Rotary Screw CFM Rating: 40 CFM Max Pressure: 175 PSI
Generator	7 kW Peak - 6.8 kW Continuous, AC Power, 60 Hz, Single Phase, 120V and 240V Outlets
Welder	High Frequency DC Welding, 270 AMPS at 100% Duty Cycle CC: 40-300 AMPS Operating Range, CV: 15-30 Volts
Battery Charger/Booster	300 AMPS 12V/24V Boost, 50 AMP 12V Charge
Drive System	Belt Driven
Fuel Capacity	Tied to Chassis

Air N Arc® 300 Compact Diesel Unit Dimensions(In.):
Foot Print: 47.5L x 21.0W x 28.4H
With Fittings: 48.0L x 25.0W x 28.4H
Dry Weight (Lbs.): 775

Air N Arc® 300 Compact Gas Unit Dimensions(In.):
Foot Print: 47.1L x 21.5W x 23.
With Fittings: 47.1L x 24.6W x 23.9H
Dry Weight (Lbs.): 650



Gas only

Included with Diesel Model

AIR N ARC® 300 HYDRAULIC



Reciprocating Air Compressor | Generator | Welder | Battery Booster | Battery Charger



SPECIFICATIONS

Drive System	Open Center Hydraulic
Hydraulic Requirements	19 GPM @ 2800 PSI Multifunction/14.5 GPM @ 2500 PSI Single Function
Air Compressor	Type: Rotary Screw CFM Rating: 40 CFM Max Pressure: 175 PSI
Generator	7 kW Peak - 6.8 kW Continuous, AC Power, 60 Hz, Single Phase, 120V and 240V Outlets
Welder	High Frequency DC Welding, 270 AMPS at 100% Duty Cycle CC: 40-300 AMPS Operating Range, CV: 15-30 Volts
Battery Charger/Booster	300 AMPS 12V/24V Boost, 50 AMP 12V Charge

Air N Arc® 300 Hydraulic Unit Dimensions (In.):
Foot Print: 48.7L x 21W x 30.9H
Dry Weight with Control Panel (Lbs.): 621

Ratings above are approximate and are based on 120 °F hydraulic fluid temperature. Consult Vanair for specific details.



AIR N ARC I-300



Reciprocating Air Compressor | Generator | Welder | Battery Booster | Battery Charger | Hydraulics



SPECIFICATIONS

Engine	25 HP Kubota®, Liquid Cooled (Tier 4 Compliant)
Air Compressor	Type: Rotary Screw CFM Rating: 40 CFM Free Air at High Speed 30 CFM Free Air at Idle Max Pressure: 175 PSI
Generator	7 kW Peak - 6.8 kW Continuous, AC Power, 60 Hz, Single Phase, 120V GFCI and 240V Outlets
Hydraulic Output	Up to 13 GPM, up to 3000 PSI (10.5 GPM Hydraulic Piston Pump)
Welder	High Frequency DC Welding, 270 AMPs at 100% Duty Cycle CC: 40-300 AMPs Operating Range, CV: 15-30 Volts
Battery Charger/Booster	300 AMPs 12V/24V Boost, 50 AMP 12V Charge
Drive System	Belt Driven
Fuel Capacity	Tied to Chassis or Optional 12 Gal. Remote Tank

Air N Arc® I-300 Unit Dimensions (In.):
With Fittings: 47.1L x 25.2W x 33.4H
Foot Print: 47.1L x 21.0W x 33.4H
Dry Weight with Control Panel (Lbs.): 852

Ratings above are approximate and are based on 120°F hydraulic fluid temperature. Consult Vanair for specific details.



Truck Engine Off, Power On - The Flexibility to Fit Your Needs

Hydraulics / Air Compressor / AC Generator Combinations

Vanair's PowerFlex™ modular power systems supply you with the power you need without the welders. The unique flexibility of the PowerFlex™ module systems allows you to select just the functionality that best suits your work applications and budget. Whether it's hydraulics, air, electric or a combination of all three, Vanair's line of PowerFlex™ engine driven machines are the robust solution to provide the power you need to get the job done with the vehicle's engine turned off.



POWERFLEX™

AE



Reciprocating Air Compressor | Generator



SPECIFICATIONS	
CFM Rating	40 CFM @ High Speed
Air Pressure	150 PSI
Compressor Type	Rotary Screw
AC Generator	6.8 kW @ 60 Hz, 120/240 V
Engine Type	25 HP Kubota® Tier 4 Final
Drive System	Belt Driven
Fuel Type	Diesel
Fuel Capacity	Integrated 12 Gal. Tanks or Tied to Chassis

* Available With and Without Integrated Fuel Tank



Powerflex™ AE Unit Dimensions (In.):
47.6L X 21W X 33.4H**
Dry Weight (Lbs.): 790

POWERFLEX™

AE GAS



Reciprocating Air Compressor | Generator

SPECIFICATIONS	
CFM Rating	40 CFM @ High Speed
Air Pressure	Up to 175 PSIG
Compressor Type	Rotary Screw
AC Generator	6.8 kW @ 60 Hz, 120/240 V
Engine Type	26.5 HP EFI Kohler®, Air Cooled
Drive System	Belt Driven
Fuel Type	Gas
Fuel Capacity	Integrated 12 Gal. Tank or Tied to Chassis



* Available With and Without Integrated Fuel Tank



Powerflex™ AE Gas Unit Dimensions (In.):

With Fittings: 47.6 L x 21.0 W x 31 H

Dry Weight (Lbs.): 675 with fuel tank, 630 without fuel tank

POWERFLEX™

AEH



Reciprocating Air Compressor | Generator | Hydraulics

SPECIFICATIONS	
CFM Rating	40 CFM @ High Speed / 30 CFM @ Idle Speed
Air Pressure	150 PSI
Compressor Type	Rotary Screw
AC Generator	6.8 kW @ 60 Hz, 120/240 V
Hydraulic Flow*	Up to 13 GPM
Hydraulic Pressure*	Up to 3000 PSI
Engine Type	25 HP Kubota® Tier 4 Final
Drive System	Belt Driven
Fuel Type	Diesel
Fuel Capacity	Tied to Chassis or Remote Tank



Powerflex™ AEH Unit Dimensions (In.):

47.6L X 21W X 33.4 H**

Dry Weight (Lbs.): 870

*Ratings are approximate and are based on 120°F hydraulic fluid temperature. Hydraulic relief valve is set at 3300 PSI. Consult Vanair for specific details.

**Dimensions listed are not a complete representation of total space necessary. Please consult Vanair for overall space and air requirements.

Our Definition of



Power Systems[®] is Different Than Others

Others claim to offer all-in-one power units, but when Vanair[®] says it – we mean it. Our Air N Arc[®] I-300 system delivers a rotary screw air compressor, generator, welder, battery booster, battery charger, and hydraulic pump – ready to go. With this convenient, lightweight, compact unit there is no need to buy an auxiliary hydraulic pump or welders for the functionality you need.

SIX FORMS OF POWER in one unit – that’s an unbeatable ALL-IN-ONE Power System[®].



AIR COMPRESSOR



GENERATOR



WELDER



BATTERY BOOST



BATTERY CHARGE



HYDRAULIC PUMP

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Vanair's **There**