

— A Lincoln Electric Company —

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® provide 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 20 HP Vanair® VNR680 |
| Air Compressor | Type: Reciprocating CFM Rating: 20 CFM Max Pressure: 150 PSI |
| Generator | 5kW Peak - 4.2kW Continuous, AC Power, 60 Hz, Single Phase, 120V and 240V Outlets |
| Welder | 14 HP Stand-Alone: CC: 40-190A Operating Range 20 HP with Remote Panel : CC: 40-150A, CV: 15-30V |
| Battery Charger/Booster | 150A, 12/24V Boost, and 50A, 12V Charge (Standard for Vanair® VNR680 20 HP Engine Only) |
| Drive System | Belt Driven |
| Fuel Capacity | 1.9 Gal. (Kohler® 14 HP) and 4.5 Gal., 11.5 Gal. or Tied to Chassis (Vanair® VNR680 20 HP) |

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
50.3L x 18.2W x 24.2H - Skid Mount Kohler® 14 HP

47.8L x 22.8W x 41.8H - 30 Gal. Vanair® VNR680 20 HP
47.8L x 21.3W x 25.3H - Skid Mount Vanair® VNR680 20 HP
Dry Weight (Lbs.): 290-487 (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 | 5kW Continuous, AC Power, 60 Hz, Single Phase, 120V and 240V Outlets | | |
| Welder | High Frequency DC Welding, 250A at 100% Duty Cycle CC: 40-250A Operating Range, CV: 15-30V | | |
| Battery Charger/Booster | 300A, 12/24V Boost, and 50A, 12V Charge | | |
| Drive System | Belt Driven | | |
| Fuel Capacity | 11 Gal. or Tied to Chassis | | |

Air N Arc® 250-L Unit Dimensions with Fittings (In.):
46.1L x 21.2W x 26.9H - Skid Mount
46.1L x 21.4W x 47.5H - 30 Gallon Air Tank
47.5L x 22.3W x 45.4H - 30 Gallon with Fuel Tank
Dry Weight (Lbs.): 370-550 (Depending on Platform)

Instrument Panel Dimensions with Fittings (In.):
Without Spacer: 13.13L x 6.8W x 13.25H
With Spacer: 13.13L x 11.0W x 13.25H



AIR N ARC® 300 GAS & DIESEL



Rotary Screw 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 | CFM Rating: 40 CFM | Max Pressure: 175 PSI |
| Generator | 7kW Peak - 6.8kW Continuous, AC Power, 60 Hz, Single Phase, 120V and 240V Outlets | | |
| Welder | High Frequency DC Welding, 270A at 100% Duty Cycle CC: 40-300A Operating Range, CV: 15-30V | | |
| Battery Charger/Booster | 300A, 12/24V Boost, and 50A, 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
Dry Weight (Lbs.): 870



AIR N ARC® 300 COMPACT GAS & DIESEL



Rotary Screw 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 | 7kW Peak - 6.8kW Continuous, AC Power, 60 Hz, Single Phase, 120V and 240V Outlets |
| Welder | High Frequency DC Welding, 270A at 100% Duty Cycle CC: 40-300A Operating Range, CV: 15-30V |
| Battery Charger/Booster | 300A, 12/24V Boost, and 50A, 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 23.9H
With Fittings: 47.1L x 24.6W x 23.9H
Dry Weight (Lbs.): 650



AIR N ARC® 300 HYDRAULIC



Rotary Screw 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 | 7kW Peak - 6.8kW Continuous, AC Power, 60 Hz, Single Phase, 120V and 240V Outlets |
| Welder | High Frequency DC Welding, 270A at 100% Duty Cycle CC: 40-300A Operating Range, CV: 15-30V |
| Battery Charger/Booster | 300A, 12/24V Boost, and 50A, 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



Rotary Screw Air Compressor | Generator | Welder | Battery Booster | Battery Charger | Hydraulics



| SPECIFICATIONS | |
|-------------------------|---|
| Engine | 24.8 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 | 7kW Peak - 6.8kW Continuous, AC Power, 60 Hz, Single Phase, 120V and 240V Outlets |
| Hydraulic Output | Up to 13 GPM, up to 3000 PSI (10.5 GPM Hydraulic Piston Pump) |
| Welder | High Frequency DC Welding, 270A at 100% Duty Cycle CC: 40-300A Operating Range, CV: 15-30V |
| Battery Charger/Booster | 300A, 12/24V Boost, and 50A, 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.



AIR N ARC® 330 DIESEL ALL-IN-ONE Power Systems®



Rotary Screw Air Compressor | Generator | Welder | Battery Booster | Battery Charger



| SPECIFICATIONS | |
|-------------------------|--|
| Engine | 24.8HP Kubota® D902-E4B |
| Air Compressor | Type: Rotary Screw CFM Rating: 40 CFM Max Pressure: 175 PSI |
| Generator | Lincoln Electric 10kW Continuous, AC, Brushed, 60 Hz, Single Phase, 120V and 240V Outlets |
| Welder | Lincoln Electric DC Multi-Process Arc Welding, CC (Stick, Gouging, and TIG): 35-330A Operating Range, CV (MIG and FCAW): 14-40V |
| Battery Charger/Booster | 330A, 12/24V Boost, and 50A, 12/24V Charge |
| Drive System | Belt Driven Compressor, Direct Driven Generator and Welder |
| Fuel Capacity | 11 Gal. with Bolt-On Frame Option |

Air N Arc® 330 Diesel Unit Dimensions(In.):
Foot Print: 47.5L x 21.4W x 25.6H
With Fittings: 48.2L x 21.9W x 27.0H
Dry Weight (Lbs.): 750



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™ modular 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



Rotary Screw Air Compressor | Generator

| SPECIFICATIONS | |
|-----------------|--|
| CFM Rating | 40 CFM @ High Speed |
| Air Pressure | Up to 150 PSI |
| Compressor Type | Rotary Screw |
| AC Generator | 6.8kW @ 60 Hz, 120/240V |
| 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 21.0W X 33.4H**
Dry Weight (Lbs.): 790

POWERFLEX[™] AE GAS



Rotary Screw Air Compressor | Generator

| SPECIFICATIONS | |
|-----------------|---|
| CFM Rating | 40 CFM @ High Speed |
| Air Pressure | Up to 175 PSIG |
| Compressor Type | Rotary Screw |
| AC Generator | 6.8kW @ 60 Hz, 120/240V |
| 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: 47.6L x 21.0W x 31.0H

Dry Weight (Lbs.): 675 with Fuel Tank, 630 Without Fuel Tank

POWERFLEX[™] AEH



Rotary Screw Air Compressor | Generator | Hydraulics

| SPECIFICATIONS | |
|---------------------|---|
| CFM Rating | 40 CFM @ High Speed, 30 CFM @ Idle Speed |
| Air Pressure | Up to 150 PSI |
| Compressor Type | Rotary Screw |
| AC Generator | 6.8kW @ 60 Hz, 120/240V |
| 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 21.0W X 33.4H**

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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