



VAN AIR®
A Lincoln Electric Company

CATEGORY 3

**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 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, 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 | Gas: 26.5 HP EFI Kohler®, Air Cooled Diesel: 25 HP Kubota®, Liquid Cooled (Tier 4 Compliant) | | |
| 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, 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 | Gas: 26.5 HP Kohler®, Air Cooled Diesel: 25 HP Kubota®, Liquid Cooled (Tier 4 Compliant) |
| 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, 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 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 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 HYDRAULIC

Now Featuring Auto On/Off Technology



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, 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, 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

Featuring Lincoln Electric Welding Technology



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, 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 |
| 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 |
| 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

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

POWERFLEX[™] AEH



Rotary Screw Air Compressor | Generator | Hydraulics

| SPECIFICATIONS | |
|---------------------|------------------------------|
| CFM Rating | 40 CFM |
| 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 | 12 Gallon or Tied to Chassis |

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.



POWERFLEX[™] AH



Rotary Screw Air Compressor | Hydraulics

| SPECIFICATIONS | |
|---------------------|----------------------------|
| CFM Rating | 40 CFM |
| Air Pressure | Up to 150 PSI |
| Compressor Type | Rotary Screw |
| 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 |

PowerFlex[™] AEH Unit Dimensions (In.):

47.6L X 21.0W X 33.4H**

Dry Weight (Lbs.): 802

*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.



The Original



Power Systems® Has Set The Standard



AIR COMPRESSOR



GENERATOR



WELDER



BATTERY BOOST



BATTERY CHARGE



HYDRAULIC PUMP



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