



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



VAN AIR®
A Lincoln Electric Company

Welding Performance by

**LINCOLN
ELECTRIC**

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

60 CFM • 10 kW • 330 A



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



Shown: Vanair®
VNR680, 20 HP,
30 gallon

SPECIFICATIONS	
Engine	16 HP, Vanair® VNR460VEI or 20 HP, Vanair® VNR680
Air Compressor	Type: Reciprocating CFM Rating: 20 CFM Max Pressure: 150 PSI (Factory set to 125 PSI)
Generator	5kW Peak, 4.2kW Continuous, AC Power, 60Hz, Single Phase, 120/240V
Welder	High Frequency DC Welding, 150A at 100% Duty Cycle CC: 40-150A, CV: 15-30V
Battery Charger/Booster	150A, 12/24V Boost, and 50A, 12V Charge (Standard for Vanair® VNR680 Engine Only)
Drive System	Belt-Driven
Fuel Capacity	1.9 Gal. (Vanair® VNR460VEI Only) and 11.5 Gal. or Tied to Chassis (Vanair® VNR680 Engine Only)

Air N Arc® 150 Unit Dimensions (In.):
51.5L x 21W x 31.2H - 10 Gallon Vanair® VNR460VEI, 16 HP
50.7L x 19.2W x 40.8H - 30 Gallon Vanair® VNR460VEI, 16 HP
50.3L x 18.2W x 24.2H - Skid Mount Vanair® VNR460VEI, 16 HP

47.8L x 22.8W 41.8H - 30 Gallon Vanair® VNR680, 20 HP
47.8L x 21.3W 25.3H - Skid Mount Vanair® VNR680, 20 HP
Dry Weight (Lbs.): 290-487 (Depending on Machine)



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, 60Hz, Single Phase, 120/240V		
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)



AIR N ARC® 300 GAS & DIESEL



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



SPECIFICATIONS

Engine	Gas: 25 HP, Vanair® VNR750EFI Diesel: 25 HP, Kubota®, Liquid Cooled (Tier 4 Compliant)		
Air Compressor	Type: Rotary Screw	CFM Rating: 40 CFM	Max Pressure: 175 PSI (Factory set to 150 PSI)
Generator	7kW Peak, 6.8kW Continuous, AC Power, 60Hz, Single Phase, 120/240V		
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 or Tied to Chassis		

Air N Arc® 300 Gas Unit Dimensions (In.):

Footprint: 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.):

Footprint: 47.5L x 21W x 33.4H

With Fittings: 48L x 25W 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: 25 HP, Vanair® VNR750EFI Diesel: 25 HP, Kubota®, Liquid Cooled (Tier 4 Compliant)
Air Compressor	Type: Rotary Screw CFM Rating: 40 CFM Max Pressure: 175 PSI (Factory set to 150 PSI)
Generator	7kW Peak, 6.8kW Continuous, AC Power, 60Hz, Single Phase, 120/240V
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.):
Footprint: 47.2L x 21W x 24.5H
With Fittings: 48.2L x 24.6W x 24.5H
Dry Weight (Lbs.): 608

Air N Arc® 300 Compact Diesel Unit Dimensions(In.):
Footprint: 47.5L x 21W x 28.4H
With Fittings: 48L x 25W x 28.4H
Dry Weight (Lbs.): 775

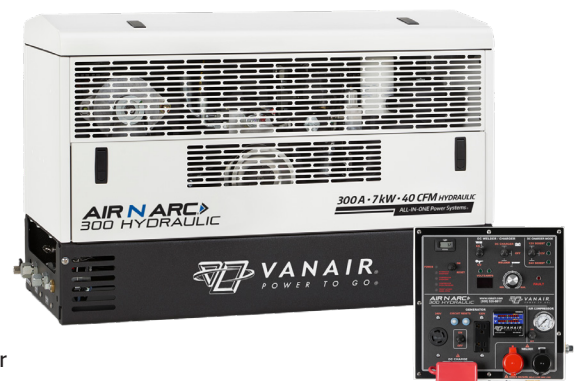


AIR N ARC® 300 HYDRAULIC

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, 60Hz, Single Phase, 120/240V
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.):
Footprint: 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 at High Speed, 30 CFM at Idle Max Pressure: 175 PSI
Generator	7kW Peak, 6.8kW Continuous, AC Power, 60Hz, Single Phase, 120/240V
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
Footprint: 47.1L x 21W 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®
Air Compressor	Type: Rotary Screw CFM Rating: 40 CFM or 60 CFM Max Pressure: 175 PSI
Generator	Lincoln Electric 10kW Continuous, AC, Brushed, 60Hz, Single Phase, 120/240V
Welder	Lincoln Electric DC Multi-Process Arc Welder, 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
Fuel Capacity	Tied to Chassis or Optional 11 Gal. with Bolt-On Frame Option

Air N Arc® 330 Diesel Unit Dimensions(In.):
Footprint: 47.5L x 21.4W x 25.6H
With Fittings: 48.2L x 21.9W x 27H
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 175 PSI (Factory Set to 150 PSI)
Compressor Type	Rotary Screw
AC Generator	6.8kW @ 60Hz, 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

PowerFlex™ AE Unit Dimensions (In.):

47.6L X 21W X 33.4H**

Dry Weight (Lbs.): 790



* Available With and Without Integrated Fuel Tank



POWERFLEX™ AE GAS



Rotary Screw Air Compressor | Generator

SPECIFICATIONS	
CFM Rating	40 CFM
Air Pressure	Up to 175 PSI (Factory Set to 150 PSI)
Compressor Type	Rotary Screw
AC Generator	6.8kW @ 60Hz, 120/240V
Engine Type	25 HP, Vanair® VNR750EFI
Drive System	Belt Driven
Fuel Type	Gas
Fuel Capacity	Integrated 12 Gal. Tank or Tied to Chassis

PowerFlex™ AE Gas Unit Dimensions (In.):

47.1L x 21.1W x 30.9H

5 Dry Weight (Lbs.): 575-675 (Depending on Platform)



* Available With and Without Integrated Fuel Tank

* Available as Compact Version



POWERFLEX[™] AEH



Rotary Screw Air Compressor | Generator | Hydraulics

SPECIFICATIONS	
CFM Rating	40 CFM
Air Pressure	Up to 175 PSI (Factory Set to 150 PSI)
Compressor Type	Rotary Screw
AC Generator	6.8kW @ 60Hz, 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 21W 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 175 PSI (Factory Set 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 21W 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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