

# AIR N ARC® 300H

**NEW**  
Hydraulically  
Driven



## The Lightest, Most Compact Rotary Screw ALL-IN-ONE Power System® on the Market

Vanair continues to expand its product line with the introduction of the Air N Arc® 300H. The latest Air N Arc® All-In-One Power System® features the innovation of being hydraulically driven, while still offering all the advantages of the Air N Arc® 300 engine drive systems including a 40 cfm rotary screw for on-demand air, a 300 amp welder, 300 amp 12V charge and 12V/24V boost, and a 7kW generator. Designed as a true two generator system, the Air N Arc® 300H allows simultaneous dual functionality such as welding and generator for lights for nighttime service. The system offers a small footprint for side pack or behind-the-cab mounting and is ideal for trucks with hydraulics already installed, such as crane trucks.

### SPECIFICATIONS

<b>Drive System</b>	Open hydraulic
<b>Hydraulic Requirements</b>	19 gpm @ 2500 psi multifunction/14.5 gpm @ 2350 psi single function
<b>Max Pressure (psi)</b>	175
<b>CFM Rating</b>	40 CFM at high speed, 30 CFM at idle
<b>Compressor Type</b>	Rotary screw
<b>Generator Wattage</b>	7000 peak - 6800 continuous watts 120V GFCI and 240V outlets
<b>Welder Amperage</b>	High frequency welding CC/DC CV/DC 40-300 Amps operating range 270 Amps at 100% duty cycle
<b>Battery Charger/Booster</b>	300 Amps 12V charge and 12V/24V boost
<b>Dry Weight (lbs.)</b>	595
<b>Dimensions (in.)</b>	21W x 47L x 31H



*Ratings above are approximate and are based on 120° F hydraulic fluid temperature. Add 400 psi minimum to hydraulic requirements for hydraulic system peak pressure ratings. Machine hydraulic relief valve is set at 3200 psi. Consult Vanair for specific details. Do not weld with the electrode holder connected to the negative port and the work piece connected to the vehicle. Bodily harm and equipment damage may occur.*



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## SPECIAL FEATURES

- Single function 14.5 GPM model is suitable for Ford 4X4 Super Duty and Dodge Trucks
- TRUE 2 generator system for safe multi-function of welder and electric tools
- Integrated hydraulic cooler
- All the benefits of a high frequency welder offering excellent weld characteristics
- CV MIG capability
- One unit to start all your equipment with battery charge and boost capability offering: 12V charge, 12V /24V boost
- 40 cfm rotary screw compressor for air on demand and extended life of unit
- Heavy duty belt drive system for anti-vibration and long service intervals
- Control panel can be remotely mounted for the ultimate in user convenience
- Integrated lift hook
- Designed for easy maintenance
- Small dimensions allow unit to fit on a side-pack or be mounted behind the cab
- Powder coated sheet metal
- Galvannealed steel

## AIR COMPRESSOR

- Rotary screw compressor - encapsulated
- 40 CFM @ 100 PSI
- 175 max PSI

## WELDER

- High frequency welding CC/DC CV/DC 40-300 Amps operating range 270 Amps at 100% duty cycle
- 15-40V DC
- Independent DC welder
- Safe multi-function

## GENERATOR

- 7000 peak - 6800 continuous watts 120V GFCI and 240V outlets
- Independent AC power for safe multi-functioning
- Brushless
- Smooth wave for minimal distortion

## BATTERY BOOST/CHARGE

- 12V charge
- 12V/24V boost

## OPTIONS/ACCESSORIES

- Welding cables - 25', 50'
- Welding helmet with auto darkening lens
- Battery booster cables
- Cable extension segment
- Remote air tank - 30 gal
- Remote condensation drain
- Maintenance kits
- Welding rods
- Compressor air inlet heater

## HYDRAULIC SYSTEM REQUIREMENTS

Vanair highly recommends consulting a hydraulic supply expert for specifying the correct hydraulic pump size and type, oil reservoir size, hydraulic cooler, hydraulic pressure relief, and other hydraulic supply components for your application. Please take into consideration the following:

- The hydraulic flow and pressure requirements of the air compressor
- Keep in mind that when the compressor is running there is a continuous hydraulic load
- The duty cycle and ambient operating temperatures
- Other hydraulic equipment which may share the same hydraulic supply system (Vanair recommends a dedicated pump and hydraulic circuit)

*Product improvement is a continuing goal. Design and specifications are subject to change without notice or obligations.*



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ANA300H-0913