AIR N ARC® 300 HYDRAULIC

AIR COMPRESSOR · GENERATOR · WELDER · BATTERY BOOST · BATTERY CHARGE

Quiet. Low Maintenance. Proven Durability. The ALL-IN-ONE Power System® Professionals Trust.

For over 15 years, the Air N Arc® 300 Hydraulic has delivered reliable, multi-function power in a single, hydraulically driven unit — eliminating the need for a separate engine and reducing maintenance. This compact system provides true dual functionality and combines a rotary screw air compressor, welder, generator, battery boost, and charger in one. Its small footprint makes it ideal for side-pack or behind-the-cab mounting, especially on trucks with existing hydraulic systems like crane trucks.

VANAIR AIR END LIFETIME WARRANTY

COLD WEATHER PACKAGE

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

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

* Ratings are approximate and are based on 120 °F hydraulic fluid temperature. Add 400 PSI minimum to hydraulic requirements for hydraulic system continuous pressure ratings. Consult Vanair® for specific details.

VANAIR®
A Lincoln Electric Company

AIR N ARC® 300 HYDRAULIC

FEATURES

- Auto Start/Stop for Optimal Efficiency and Noise Reduction ***NEW***
- Single Function Model is Suitable for Ford® 4X4 Super Duty and Dodge® Trucks
- True Two-Generator System for Safe Multifunction of Welder and Electric Tools
- Small Footprint - Perfect for Side Pack or Behind Cab
- Integrated Hydraulic Cooler
- CV MIG Capability
- One Unit to Start all Your Equipment with Battery Charge and Boost Capability
- Rotary Screw Air Compressor for Air on Demand
- Heavy Duty Belt Drive System for Anti-Vibration and Long Service Intervals
- Integrated Lift Hook
- Hinged Lid for Easy Maintenance
- Powder Coated Sheet Metal

AIR COMPRESSOR

- Vanair® Encapsulated Rotary Screw
- 40 CFM @ 175 PSI Max

WELDER

- High Frequency DC Welding
- 270A at 100% Duty Cycle
- CC: 40 – 300A
- CV: 15 – 30V
- Independent DC Welder
- Safe Multifunction

GENERATOR

- 7kW Peak / 6.8kW Continuous @ 60 Hz
- Independent AC Power
- Brushless Design
- Smooth Wave for Minimal Distortion
- 120V and 240V Outlets
- Safe Multifunction

BATTERY BOOST/CHARGE

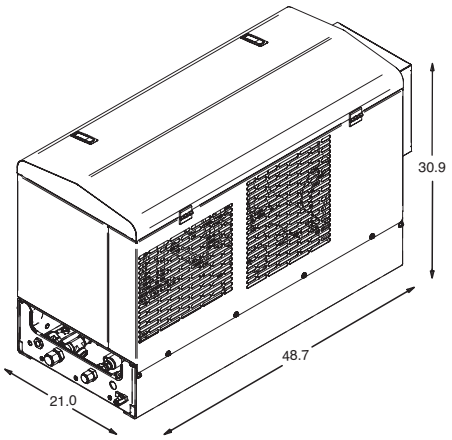
- 300A, 12/24V Boost
- 50A, 12V Charge

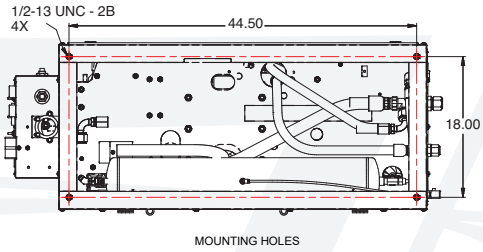
REMOTE CONTROL PANEL

- Provides Ultimate User Convenience and Safety
- All Functions Accessible at Panel
- No Need to Jump In and Out of Vehicle

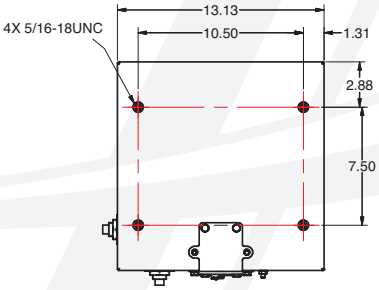
OPTIONS/ACCESSORIES

- Welding Cables – 25', 50'
- Welding Helmet Equipped with Auto Darkening Lens
- Battery Booster Cables
- Cable Extension Segment
- Remote Air Tank – 30 Gallon
- Remote Condensation Drain
- Maintenance Kits
- Welding Rods
- Hose Reels and Fittings





MOUNTING HOLES



REMOTE CONTROL PANEL WITHOUT SPACER MOUNTING HOLES

HYDRAULIC SYSTEM REQUIREMENTS

All hydraulic ratings and pressures are at the machine and do not take into account the pressure drops of individual hydraulic systems. These pressure drops need to be taken into account and added to the rating of the hydraulic pump and components. 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 fl ow and pressure requirements of the air compressor, the continuous hydraulic load when the compressor is running, the duty cycle and ambient operating temperatures, and any other hydraulic equipment that may share the same hydraulic supply system (Vanair recommends a dedicated pump and hydraulic circuit).

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