

AIR N ARC I-300



INCLUSIVE, INNOVATIVE, INDISPENSABLE... SIX FORMS OF POWER IN ONE COMPACT UNIT.

Vanair's inclusive, innovative, indispensable Air N Arc® I-300 is the first system in the world to offer six forms of power in a single 48" unit. Based on the technology of the Air N Arc® 300 diesel system, it provides an integrated 40 CFM rotary screw compressor, 7 kW AC generator, 300 AMP welder, battery booster and battery charger, with the added power of a 13 GPM hydraulic pump...all driven by a single engine. The Air N Arc® I-300 offers enough power to run a crane and the technology to integrate with the crane control.

SPECIFICATIONS

Engine	25 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	7 kW Peak - 6.8 kW Continuous, AC Power, 60 Hz, Single Phase, 120V GFCI and 240V Outlets
Hydraulic Output	Up to 13 GPM, up to 3000 PSI (10.5 GPM Hydraulic Piston Pump)
Welder	High Frequency DC Welding, 270 AMPS at 100% Duty Cycle CC: 40-300 AMPS Operating Range, CV: 15-30 Volts
Battery Charge/Booster	300 AMPS 12V/24V Boost, 50 AMP 12V Charge
Drive System	Belt Driven
Fuel Capacity	Plumb 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. 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.



SPECIAL FEATURES

- One Unit Incorporates Air Compressor, Generator, Battery Booster, Battery Charger, Welder and Hydraulic Pump. No Need for Auxiliary Plug-In Welder or Battery Booster
- Reliable and Easy Electric Starting Kubota® Engine
- Heavy Duty Belt Drive System for Anti-Vibration and Long Service Intervals
- Electric Fuel Pump for Ease of Chassis Fuel System Integration
- Capable of Charging Vehicle's Battery.
- True Two Generator System for Safe Multifunction of Welder and Electric Tools
- CV Functionality for Voltage Sensing Suitcase Feeder for MIG Welding
- Auto Speed Control for Weld/Battery Boost Function
- Rotary Screw Air Compressor for Air On Demand
- Integrated Lift Hook and Battery Tray
- Battery Jump Start Receptacle
- Manual Reset AC Circuit Breakers
- Designed for Easy Maintenance and Fuel Efficiency
- Small Footprint - Will Fit on Side Pack or Behind Cab
- Powder Coated Sheet Metal
- Galvannealed Canopy

AIR COMPRESSOR

- Rotary Screw Compressor - Encapsulated
- 40 CFM @ 100 PSI; 30 CFM @ Idle
- 175 Max PSI

GENERATOR

- 7 kW Peak
- 6.8 kW Continuous @ 60 Hz
- Independent AC Power for Safe Multi-Functioning
- Brushless
- Smooth Wave for Minimal Distortion
- Two-120V GFCI Outlets and One-240V Outlet

WELDER

- High Frequency DC Welding
- CC Range 40 – 300 AMPs Operating Range
- CV Range 15 – 30 Volts
- 270 AMPs at 100% Duty Cycle
- Independent Welding Generator
- Safe Multi-Function
- Auto Speed Control
- CV MIG Capability

BATTERY BOOST/CHARGE

- 300 AMP 12V/24V Boost
- 50 AMP 12V Charge
- Capable of Jump Starting Your Truck's Engine
- Maintains Truck's Battery and Operates Work and Emergency Lights While Engine is Off

HYDRAULIC PUMP

- Up to 13 GPM
- 3000 Maximum PSI
- Variable Displacement Hydraulic Piston Pump Compatible with Both an Open Center and Closed Center System
- 25 HP Kubota® Engine, Liquid Cooled
- Electric Start
- Glow Plug

OPTIONS/ACCESSORIES

- Welding Cables - 25', 50'
- Welding Helmet with Auto Darkening Lens
- Battery Booster Cables
- Cable Extension Segment
- Fuel Tank – Slimline 11 Gallons
- Remote Air Tank – 30 Gallons
- Remote Condensation Drain
- Hose Reels
- Cold Weather Kits
- Maintenance Kits
- Welding Rods
- Dry Cell Battery
- GFCI Outlet for Protection of 120V/240V - Remote Panel Machines Only