



**AIR N ARC® 250 SERIES
ALL-IN-ONE POWER SYSTEM®
RECIPROCATING AIR COMPRESSOR
WELDER/GENERATOR/
BATTERY BOOSTER
BID SPECIFICATION
REVISED: April 17, 2019**

Type:	Vanair® Air N Arc® 250 Series. New and in current production.
Welder:	High frequency DC welding, 250 AMP at 100% duty cycle. CC: 40-250 AMP operating range, CV: 15 -30V
Generator:	Totally brushless with capacitor, copper windings, bi-directional rotation, <6% distortion
Generator Capacity:	5 kW continuous, AC power, 60 Hz, single phase, 120V and 240V outlets.
Compressor:	Reciprocating type. 2 cylinder, dual stage, splash lubricated, with built-in head unloaders, steel braided discharge line and automatic throttle control.
Compressor Capacity:	24 CFM at up to 175 PSIG operation.
Battery:	12V AGM sealed lead acid – Per DOT specification 49 CFR 173.159
Booster/Charger:	300 AMP 12/24V battery boost, 50 AMP 12V charge
Engine:	V-twin fuel injected, electric start gasoline engine, Kohler® model Command PRO ECH730, air cooled, 23 HP per SAE J1940 specification, automatic electronic throttle control.
Fuel Capacity:	Plumb to the chassis or 11.5 gallon – unit includes additional 12V solid state electronic fuel pump 1.5-2.5 GPH flow.
Air Storage Tank:	Options for 30 gallon, or remote air tank. Tanks to be ASME/CRN certified. Unit to include pressure gauge, pressure relief valve, and condensation drain.
Weight:	30 Gal. unit - Dry weight (Lbs.): 725 Skid mount unit – Dry weight (Lbs.): 500
Dimensions:	48.1L x 22.9W x 27.0H (In.) on remote air storage models 48.8L x 23.4W x 43.3H (In.) on 30 gallon air storage models
Instrument Panel:	Panel to include engine start/stop function, digital fuel gauge and hour meter, air pressure gauge, generator on/off switch, thermal breakers, 120V and 240V receptacles, weld cable connections, weld mode selector switch, digital display for amperage and voltage output, potentiometer for adjustment of amperage and voltage for weld mode, battery boost mode selector switch, battery booster cable connection, mode indicator lights and system fault lights.
Drive System:	Heavy duty belt-drive system with auto tensioner and self-cooling, self-cleaning link belts to drive compressor. Belt is made of a custom-designed, high-tech polyurethane/polyester composite with an operating temperature range of -40 °F to +240 °F. Belt to drive the generators to be poly-V serpentine belt with quiet channel technology.



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- Metal and Tanks:** Fully powder-coated with galvanized sheet metal, 1/4" plate steel main frame, integrated lift hook and full service access.
- Warranty:** The air compressor, welder, generator unit shall be warranted for 3 years when following the prescribed maintenance schedule. This warranty does not cover damage caused by accident, misuse, or negligence. If the unit is disassembled the warranty is void.
- Service Centers:** Manufacturer MUST have factory authorized service centers located in each state of the United States of America and Canadian provinces.
- Options:**
- Welding Cables - 25', 50'
 - Welding Helmet with Auto Darkening Lense
 - Battery Booster Cables
 - Fuel Tank – Slimline 11 Gallons
 - Remote Air Tank – 30 Gallons
 - Electric Fuel Pump
 - Remote Condensation Drain
 - Hose Reels
 - Cold Weather Kits
 - Maintenance Kits
 - Welding Rods
 - Dry Cell Battery
 - GFCI Outlet for Protection for Outlets 120V/240V – Remote Panel Machines Only