



**AIR N ARC® 150**  
**ALL-IN-ONE POWER SYSTEM®**  
**14 HP RECIPROCATING AIR COMPRESSOR/  
WELDER/GENERATOR/BATTERY BOOSTER**  
BID SPECIFICATION  
REVISED: April 17, 2019

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<b>Type:</b>	Vanair® Air N Arc® 150 Series. New and in current production
<b>Welder:</b>	40-190 AMPs operating range. Patented amperage and power controls built into welding leads for stand-alone unit.
<b>Generator:</b>	Totally brushless with capacitor, copper windings, bi-directional rotation, <4% distortion
<b>Generator Capacity:</b>	5 kW peak, 4.2 kW continuous, AC power, 60 Hz, single phase, 120V and 240V outlets.
<b>Compressor:</b>	Reciprocating type. 3 cylinder, single stage, splash lubricated, with built-in head unloaders, steel braided discharge line and automatic throttle control.
<b>Compressor Capacity:</b>	20 CFM and up to 150 PSIG.
<b>Battery:</b>	12V AGM sealed lead acid – Per DOT specification 49 CFR 173.159
<b>Booster/Charger:</b>	150 AMP 12V/24V boost
<b>Engine:</b>	Single Cylinder, electric start gasoline engine, Kohler® model Command PRO CH440, air cooled, 14 HP per SAE J1940 specification and automatic electronic throttle control.
<b>Fuel Capacity:</b>	1.9 gallons for 10 or 30 gallon air storage. Plumb to the chassis for skid mount.
<b>Air Storage Tank:</b>	Options for 10 gallon, 30 gallon, or remote air tank. ASME/CRN certification on appropriately sized tanks. Unit to include pressure gauge, ball valve, pressure relief valve, and condensation drain.
<b>Weight:</b>	Dry weight (Lbs.): 345-565 (depending on platform)
<b>Dimensions:</b>	51.5W x 21.0L x 31.2H (In.) on 10 gallon air storage models 50.7W x 19.2L x 40.8H (In.) on 30 gallon air storage models 50.3W x 18.2L x 24.2H (In.) Skid
<b>Instrument Panel:</b>	Panel to include 120V and 240V receptacles, volt meter, thermal breakers, generator on/off switch, welder connection and selector switch, battery booster cable connection (if equipped).
<b>Drive System:</b>	Heavy duty belt drive system with 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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<b>Metal and Tanks:</b>	Fully powder-coated with galvanneal sheet metal, 1/4" plate steel main frame, integrated lift hook and full service access.
<b>Warranty:</b>	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.
<b>Service Centers:</b>	Manufacturer must have factory authorized service centers located in each state of the United States of America and Canadian provinces.
<b>Options:</b>	Cable Extensions – 20', 30', 40', 50' Battery Boost Cables Remote Air Tank Options Remote Condensation Drain Welding Helmet with Auto Darkening Lens Dry Cell Battery Cold Weather Kits Maintenance Kits Hose Reels GFCI Outlet for Protection of 120V/240V – Remote Panel Machines Only