



**AIR N ARC® 150  
ALL-IN-ONE POWER SYSTEM®  
14 HP RECIPROCATING AIR COMPRESSOR/  
WELDER/GENERATOR/BATTERY BOOSTER  
BID SPECIFICATION  
REVISED: April 26, 2023**

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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. 20 ft. welding leads included and required for welding operation.
<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. (Factory set to 125 PSI).
<b>Battery:</b>	12V sealed lead acid – Per DOT specification 49 CFR 173.159
<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
<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.): 290-487 (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.
<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.

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ALL-IN-ONE POWER SYSTEMS® 14 HP**

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<b>Metal and Tanks:</b>	Fully powder-coated with galvalume sheet metal, ¼" 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' Remote Air Tank Options Remote Condensation Drain Welding Helmet with Auto Darkening Lens Dry Cell Battery Cold Weather Kits Maintenance Kits Hose Reels