



AIR N ARC® 150
ALL-IN-ONE POWER SYSTEM®
**RECIPROCATING AIR COMPRESSOR/WELDER/
GENERATOR/BATTERY BOOSTER/BATTERY CHARGER**

BID SPECIFICATION
REVISED: August 24, 2026

Type:	Vanair® Air N Arc® 150 Series. In current production.
Compressor:	Reciprocating, 3-cylinder, single stage, splash lubricated, with built-in head unloaders, stainless steel braided discharge line, and automatic throttle control.
Compressor Capacity:	20 CFM at up to 150 PSI max. Factory set to 125 PSI.
Generator:	Totally brushless with capacitor, copper windings, bi-directional rotation, pure sine wave <6% distortion.
Generator Capacity:	5kw peak, 4.2kW continuous at 60Hz, AC power, single phase, 120V/240V.
Engine:	<u>Vanair® VNR460VEI</u> : single-cylinder, electric start gasoline engine, air cooled, 16 HP, electronic fuel injected, automatic electronic throttle control. -or- <u>Vanair® VNR680</u> : V-twin, electric start gasoline engine, air cooled, 20 HP, automatic electronic throttle control, and automatic electronic choke control.
Welder:	CC: 40-300A, CV: 15-30V. Isolated ground alternator.
Battery:	12V sealed lead acid – per DOT specification 49 CFR 173.159.
Battery Boost/Charge:	150A, 12V/24V boost and 50A, 12V charge.
Fuel Capacity:	<u>Vanair® VNR460VEI</u> : 1.9 gallon. -or- <u>Vanair® VNR680</u> : 11.5 gallon on models with 30 gallon air storage, or tied to chassis.
Air Storage Tank:	Options for 10 gallon, 30 gallon, or remote air tank depending on platform. ASME/CRN certification on appropriately sized tanks. Unit to include pressure gauge, ball valve, pressure relief valve, and condensation drain.
Weight:	Dry weight: 346 – 487 lbs. depending on platform.

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Dimensions:

	Engine	Unit Dimensions (In.)
10 gallon tank	Vanair® VNR460VEI, 16 HP	51.5L x 21W x 31.2H
30 gallon tank	Vanair® VNR460VEI, 16 HP	50.7L x 19.2W x 40.8H
Skid mount	Vanair® VNR460VEI, 16 HP	50.3L x 18.2W x 24.2H
30 gallon tank	Vanair® VNR680, 20 HP	47.8L x 22.8W 41.8H
Skid mount	Vanair® VNR680, 20 HP	47.8L x 21.3W 25.3H

Control Panel:

Panel to include GFCI 120V and 240V receptacles, voltmeter, thermal breakers, generator ON/OFF switch, welder connection and selector switch, battery booster cable connection, and low fuel indicator lamp.

Drive System:

Heavy-duty belt-drive system with self-cooling and 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.

Metal and Tanks:

¼ " plate steel main frame, integrated lift hook and full-service access.

Warranty:

The air compressor, generator, and welder units shall be warranted for (3) three 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:

Remote mount control panel (*Vanair® VNR680, 20 HP only*)
 Remote panel harness - 10', 14', 18'
 Battery booster cables
 Fuel tank – slimline 11 gallon (*Vanair® VNR680, 20 HP only*)
 Remote air tank options
 Remote condensation drain
 Welding helmet with auto darkening lens
 Dry cell battery
 GFCI outlets on remote panel machines
 Filter/lubricator/regulator (FLR)
 Hose reels & fittings
 OSHA safety valve (velocity fuse)
 Service/control line moisture separators
 Tool oiler/lubricator
 Maintenance kits - engine & compressor
 Cold weather kits
 Machine covers