

Why Choose an AIR VANTAGE® 500?


It's Three in One – Welder, Generator and Air Compressor



When you need it all, consider the rugged Air Vantage® 500 for railroad, mining, heavy duty construction, and rental fleet use. A compressor pumps plenty of air for arc gouging with up to 3/8 in. (10 mm) carbons, plasma cutting or other air tools. A powerful 500 amps @ 100% duty cycle is enough for almost any stick, TIG, MIG or flux-cored welding project.



Air Vantage® 500 vs. Competition

Feature	Description	Lincoln Electric Air Vantage® 500	Miller Electric Big Blue® Air Pak™
VMAC® Brand Rotary Screw Compressor Rated at 60 CFM, 100 PSI	<ul style="list-style-type: none"> • Plenty of output for arc gouging and air tools • Gear-driven from engine, no belts to replace • No magnetic clutch to wear out • Automatic shutdown protection for high temperature 	☑	☐
Lincoln Electric  Chopper Technology®	<ul style="list-style-type: none"> • Easy starts, low spatter, smooth arc, and excellent bead appearance • Arc gouge with a dedicated weld mode setting • CV-wire mode has adjustable pinch/inductance to control how fast the weld puddle freezes • CC-stick mode optimized for E7018 low hydrogen electrode performance. Includes built-in “hot” start for easier starts and restrikes. Includes adjustable arc force to keep electrode from sticking to the weld puddle • Downhill pipe welding mode with fast travel speeds • Touch Start TIG® mode – no scratch start 	☑	☐
Stainless Steel Roof, Side Panels and Sliding Engine Door	<ul style="list-style-type: none"> • Added protection, durability and corrosion-resistance • Reduces maintenance of key panels exposed to sun, weather and other elements • Sliding engine door provides easy service access 	☑	☐
Easier to Set Weld Processes and Operate	<ul style="list-style-type: none"> • Simple control panel • Single full range output dial for all modes, no taps • Easy to use 5-mode weld switch for process selection • Digital weld meters – preset output, easy to read 	☑	☐
Less Weight for Truckbeds	<ul style="list-style-type: none"> • 10% less than standard Big Blue® Air Pak™ (1,730 lbs. vs. 1,931 lbs.) • 12% less than deluxe Big Blue® Air Pak™ (1,730 lbs. vs. 1,956 lbs.) 	☑	☐

Air Vantage® 500 vs. Competition			
Feature	Description	Lincoln Electric Air Vantage® 500	Miller Electric Big Blue® Air Pak™
More Standard AC Generator Power – No Expensive Options	<ul style="list-style-type: none"> • 20 kW 3-phase 240V vs. factory upgrade required for Big Blue® Air Pak™. Power plasma cutters, pumps, inverter welders and specialty grinders. Matching 3-phase plug included • 12 kW 1-phase 120V/240V vs. 4 kW on standard Big Blue® Air Pak™. Power lights, grinders and constructin tools • Full-KVA receptacles provided. No hard-wired connections required 	☑	☐
All PC Boards are Environmentally Sealed for High Reliability	<ul style="list-style-type: none"> • All boards put in protective frame trays and potted vs. only the control board is in a sealed vault on Big Blue® Air Pak™ 	☑	☐
Sealed GFCI Modules	<ul style="list-style-type: none"> • GFCI (Ground Fault Clrcuit Interrupter) modules sealed from moisture vs. conventional GFCI receptacle 	☑	☐
VRD™ (Voltage Reduction Device™) for Added Safety	<ul style="list-style-type: none"> • Reduced OCV (open circuit voltage) in CC-stick welding mode vs. none on Big Blue® Air Pak™ 	☑	☐
Better Battery Warranty	<ul style="list-style-type: none"> • Longer battery warranty – 2 years vs. 6 months 	☑	☐