


Why Choose a VANTAGE® 500?


Compact Design!



Get a 500 amp welder in a compact case! The same size as the Vantage® 300 and 400! A turbo-charged diesel engine with Lincoln Electric  Chopper Technology® makes this a reality! Also, less weight than traditional 500 amp welders makes the Vantage® 500 compact design a great choice for installation on truck beds where available space and weight capacity are limited.



Vantage® 500 (Compact Case) vs. Competition

Feature	Description	Lincoln Electric Vantage® 500	Miller Electric Big Blue® 500
31% Smaller Case Size for Trucks	<ul style="list-style-type: none"> • 54,500 cubic inches vs. 78,900 cubic inches • 35.9 x 25.3 x 60 in. (HxWxL) vs. 43 x 28.5 x 64.4 in. (HxWxL) 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18% Less Weight (120 lbs.) for Truck Mounting	<ul style="list-style-type: none"> • 1,290 lbs. vs. 1,565 lbs. 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stainless Steel Enclosure	<ul style="list-style-type: none"> • Stainless steel roof and case sides vs. painted parts requiring maintenance 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Better/More Welding Process Choices	<ul style="list-style-type: none"> • CC-stick with a true constant current output for low hydrogen welding • Downhill pipe mode vs. none on Big Blue® 500 • CV-wire mode vs. none on Big Blue® 500 CC model • Touch Start TIG® vs. scratch start TIG • Arc gouging mode vs. none on Big Blue® 500 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Better Arc Performance and Control	<ul style="list-style-type: none"> • Lincoln Electric  Chopper Technology® vs. reactor technology – easy starts, smooth arc, low spatter and excellent bead appearance • Continuous range output dial vs. taps and fine control • Adjustable arc force in CC-stick and downhill pipe modes vs. no operator adjustment • Adjustable pinch/inductance controls in CV-wire mode vs. none available • Touch Start TIG® avoids tungsten contamination in weld puddle 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Digital Weld Meters for Pre-Set and Actual Output	<ul style="list-style-type: none"> • Included vs. optional analog meters on Big Blue® 500 CC model at extra cost • Easier to pre-set, then monitor actual output 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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® 500 	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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Vantage® 500 (Compact Case) vs. Competition			
Feature	Description	Lincoln Electric Vantage® 500	Miller Electric Big Blue® 500
More AC Generator Power for 2nd Arc Inverter, Plasma Cutter or Tools	<p><u>1-Phase</u></p> <ul style="list-style-type: none"> • 13 kW peak (12 kW continuous) vs. 5.5 kW peak (4 kW continuous) on Big Blue® 500 CC model • 120 VAC receptacles: 4 vs. 2 <p><u>3-Phase</u></p> <ul style="list-style-type: none"> • 22 kW peak (20 kW continuous) • Not available on Big Blue® 500 CC model • 20 kW continuous is an extra-cost factory-only option on Big Blue® 500 CC/CV model • Receptacle on control panel for easy plug-in vs. hard-wired connection 	☑	☐
Better Service Access	<ul style="list-style-type: none"> • Sliding engine door for better access in tight places vs. fold-down door • Patented tilt-down control panel for easy servicing of internal components • Battery compartment tray conveniently located below front control panel vs. machine back end • Patented radiator cap cover is latched for easy access and lockable vs. bolted cover requiring tools to open 	☑	☐
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 Blg Blue® 500 CC/CV model 	☑	☐
Sealed GFCI Modules	<ul style="list-style-type: none"> • GFCI (Ground Fault Circuit Interrupter) modules sealed from moisture vs. conventional GFCI receptacle 	☑	☐
Engine Idler Standard	<ul style="list-style-type: none"> • Extra-cost option on Blg Blue® 500 CC model • Saves about 2 gallons of fuel/10 hour day at low idle vs. no idler 	☑	☐
Better Battery Warranty	<ul style="list-style-type: none"> • Longer battery warranty – 2 years vs. 6 months 	☑	☐