

N900b FACS
Flexible Arc Control System
Battery-Powered 1/2" Drawn Arc Stud Welder

Patent-pending battery-powered design delivers hundreds of welds from a single charge

Cordless = Unparalleled Flexibility

Weld nearly anywhere, with no need for a heavy, high-voltage power cable to limit worksite access.

Portable

Weighing about 65 pounds, this machine is easy to move around. The integrated handle makes it even easier.

High Capacity

The N900b battery will charge fully in just 2-3 hours and then will deliver hundreds of welds on that charge. A single battery charge will weld about 1,200 1/4" diameter studs, 400 3/8" diameter studs, or over 200 1/2" diameter studs. Connecting the charger to the welder and a standard 120V household power outlet will charge the battery in between welds, providing nearly unlimited capacity.

Multifunction LCD Touch Screen

The new FACS-equipped N900b uses a bright 7" LCD touch screen display. This tough and extremely versatile display provides a whole new level of communication to the user.

Advanced Stud Welder Battery Control System

The N900b's rechargeable lithium iron phosphate (LFP) battery is monitored to protect it from high temperatures, input overcharging, and output overload.

Intrinsically Safe LFP battery

LFP batteries will not catch fire or explode during rapid charge/discharge. They are virtually incombustible due to the chemical stability of their iron phosphate cathode material. LFP batteries are also environmentally friendly, containing no toxic heavy metals or caustic materials.

External Battery Charger

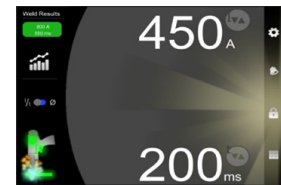
120V Charger is included with the weld system.

Plug & Play Motorized Gun Options

The new motorized gun driver module developed for the FACS system can simply replace the standard solenoid gun driver and connector.

Advanced Microprocessors & Communications

FACS uses cutting-edge microprocessor controls and will expand connectivity in the future for weld data.





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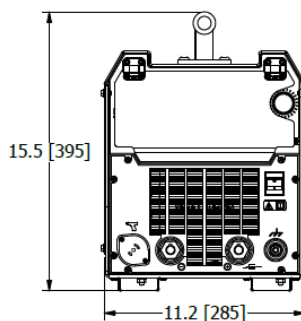
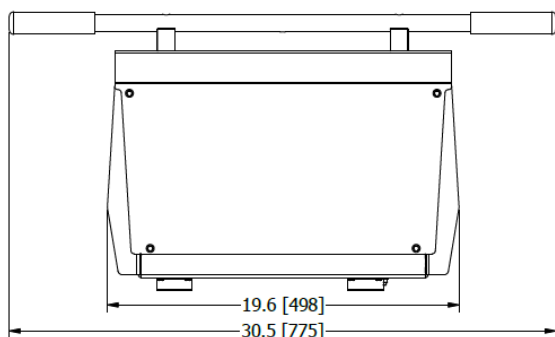
NELSON[®]

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Welder Specifications		N900b	
Welding Process		Drawn Arc, Short Cycle, Gas Arc	
Welding Current (I)		100A—900A Continuously Adjustable	
Welding Time (T)		5ms—600ms Continuously Adjustable	
Weight (welder only)		65 lbs (36kg)	
Dimensions (L x W x H)		21.5" (55cm) x 11.25" (28cm) x 15.5" (40cm)	
Enclosure Rating		IP21	
Weld Rates	1/2"	4	Studs/Min
	3/8"	11	Studs/Min
Display		FACS Touch Screen	

Battery Specifications	Value
Charger Input Voltage	120V @ 60Hz
Charger Input Current	7A
Nominal Battery Voltage	53 VDC
Operating Temperature Range	0 to 40° C
Storage temperature Range	-20° to 60° C
Battery Charge Time, Max	3 hours
Welds per Charge	3/16" - 1600
	1/4" - 1200
	3/8" - 400
	1/2" - 200



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