



Hurricane MTS 220-C

GMAW/FCAW/GTAW-P/SAW/PAC

Operating Specifications

Input:	120/240V 50/60Hz 1 Ph	MIG Duty Cycle @ Rating:	120V: 35% @ 125A/20.3V 240V: 35% @ 225A/ 25.3V	TIG Duty Cycle @ Rating:	120V: 60% @ 125A/15V 240V: 35% @ 225A/19V	Stick Duty Cycle @ Rating:	120V: 35% @ 100A/20.4V 240V: 60% @ 180A/27.2V	Plasma Duty Cycle @ Rating:	120V: 60% @ 25A/90V 240V: 60% @ 40A/96V
MIG Range:	120V: 30-125A/15.5-20.25V 240V: 30-225A/15.5-25.3V	DC TIG Range:	120V: 10-125A/10.4-15V 240V: 10-225A/10.4-19V	AC TIG Range:	120V: 20-125A/10.8-15V 240V: 20-225A/10.8-19V	Stick Range:	120V: 10-100A/20.4-24V 240V: 10-180A/20.4-27.2V	Plasma Range:	120V: 20-25A/88-90V 240V: 20-40A/88-96V
Inrush Amps: (11MAX)	120V: 28A 240V: 31A	OCV:	MIG/TIG/Stick: 64V Plasma Cutter: 250V	Gas Purge:	Yes	MIG Run-In:	Yes	TIG Start Type:	HF/ Lift Start
Rated Amps: (11EFF)	120V: 17A 240V: 16A	Max Wire Feed:	120V: 425 IPM 240V: 600IPM	MIG Wire Jog:	Yes	Memory:	Yes	Plasma Start Type:	Blow-Back/Pilot Arc
Spool Size:	4 and 8"	Drive Rolls:	2; 1 drive/1 Idler	Weight:	74 lbs.	Dimensions	11"Wx16"Hx26"L	PowerSet Mode:	Yes

All for one. One for all.

Sturdy Steel Case Design

The thick steel case design is sturdy and features multi-fan cooling.

LCD Color Screen

The large, easily readable color screen offers a high contrast display with intuitive navigation and large, easy to read main settings.

35% and 60% Duty Cycle

The Duty Cycle for MIG and TIG is set at a generous 35% at maximum output. For Stick and Plasma the Duty Cycle is set at 60% Duty cycle. The Duty Cycle has been carefully tested to meet the demands of each process at a commercial level.

Memory Function

The unit is able to save an ample number of programs easily. Just press and hold to store or press to recall program.

Easy Change of Polarity

Euro-Quick Adapt coupler makes connection of the MIG gun quick. No tools required.

Separate inlets in the rear.

The rear features separate gas inlets for MIG and for TIG/Plasma. Reduces the need to changeout welding gases.

Easy selection of different processes

There's no need to wade through any hidden menus to change processes. Simply press the button at the top to highlight the process you want, and it instantly ready to go. This makes setup so much quicker and less fumble prone.

PowerSet Mode

As a synergic type function, you just need to know the basics about your weld parameters and input them. The Powerset function is activated simply by selecting this button. No hidden menus or complicated procedures are required to access this function. It's right on the front.

Quick Gas Connection

Everlast has pioneered the use of gas quick connects in the industry. Now others are following. Rather than needing a couple of wrenches and about five minutes of change over time, you can now remove or change your torch in mere seconds instead of the usual time it takes.



5 Year Parts and Labor Warranty

Simply the best warranty in the business. Who else offers this without paying extra, or giving you a long list of exclusions? This also includes free warranty shipping during the first 3 years of ownership and second owner warranty transfer!

Uses: Industrial Production Welding, Commercial Fabrication, HVAC, Motor Sports, Portable Repair

True Multi-Process

The Right Tool For Every Job .

The Hurricane MTS-220C is a completely new and revolutionary design in multi-process welding. The unit is not just another Multi-Process. It has MIG, AC/DC Pulse TIG, Stick and Plasma cutting capability. This combination allows you to have the right tool for the job, on every job, every time.

But even if it judged against other multi-process welders, on the merits of MIG, TIG and Stick welding the unit exceeds the competition in features and performance. The unit is packed with useful features that give added control over each process and makes creating quality welds an easy experience.

For MIG, the unit delivers smooth low spatter welds. In MIG mode expect to find features such as Preflow, Post Flow, and inductance controls. You'll also be able to connect a spool gun to the unit or choose from a flux-cored (gasless) setting if you need to weld out in the wind with flux-cored wire.

For TIG, you'll enjoy both AC and DC capability, which allows you to weld almost any

metal, including Aluminum, Stainless, Steel, and Titanium. With the standard foot pedal, you'll have excellent control over the arc, and with the built in solenoid, gas flow is automatically controlled, eliminating the need for a gas-valve torch. Pulse is a standard feature of the unit, and you'll have excellent control over the weld puddle with a pulse frequency up to 150Hz. With 225A capacity, you'll be able to weld 1/4".

For DC Stick, you'll have every function needed to control the welding arc. The unit includes Hot Start Time and Hot Start Intensity controls for easier arc starting. Arc force control allows you to tailor the amount if digging force the unit has. Of course, the unit has special modes for most electrodes in the PowerSet mode for easy setup. The machine outputs 180A on stick, enough to weld with 5/32" diameter electrodes.

The Plasma process allows you to make smooth, clean cuts on steel and other metals. With steel, you can reach up to 1/2" cut with ease, with other metals up to 3/8" capacity. Thicker severance cuts are possible. The blowback torch eliminates HF designs found in older and out of date equipment. The pilot arc keeps the arc going for easy cutting of expanded metal and rusty or painted objects.

Everlast Power Equipment

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All specifications, accessories and options are subject to change without notice.

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Up Close

LCD Color Display

Large color display provides large, easy to see main parameters. Easy to navigate and adjust with left and right side controls.

Left/Right Controls

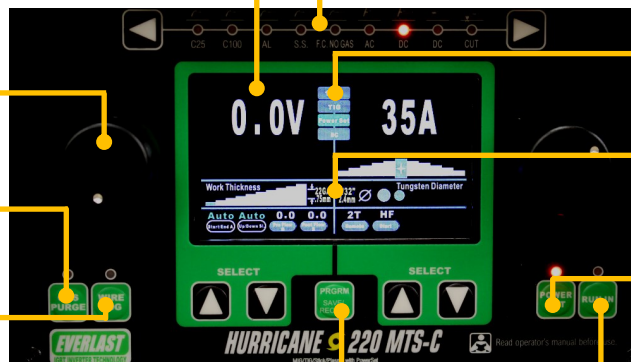
Left/Right Control knobs adjust each half of the screen for easy setup. Arrow buttons navigate left and right sides.

Gas Purge

Easily set the gas flow rate by pressing this button. This will open the gas solenoid without having to press the torch switch or foot pedal.

Wire Jog

Make easy work of loading wire by providing a fast independent feed without having to pull the MIG gun trigger. Saves gas and time.



Program

Save Multiple Programs in each process.

Easy Process Selection

The process selection is simple and designed to eliminate hidden menus and reduce setup time.

Machine Status Indicators

The screen always reminds you of the operating status of the machine to help reduce confusion. It even tells you operating voltage input of the machine (120V or 240V).

Three-Tier Selection Menu

The two tiered status indicator helps further reduce the need for complicated hidden or expanded menus. The navigation button simply helps you to select the tier you wish to adjust.

PowerSet Function (Shown Engaged)

PowerSet is a synergic function that is designed to assist users in making accurate setup of parameters without extensive setup procedures or specific machine knowledge.

Run-In

This controls the run-in speed of the MIG wire. This helps to improve starts. May be turned off if required for tacking.

Welding/Cutting Thickness Limits*:

*Welding thickness limits are typically described in single pass and multi-pass terms. Multiple pass welds on thicknesses 1/4" and over are typically prescribed as "best practice" welds, whereas a single pass weld, may not yield the best or strongest weld but is used to give a comparative idea of the machines capability. For maximum welding limits, you have to take into consideration the ultimate size of the weldment. Larger weldments will require more welding amperage to make the same weld as a smaller weldment because of heat dissipation capability.

Maximum Single Pass MIG Weld: 3/8"

Maximum Multi-Pass MIG Weld: 5/8"

Minimum MIG Weld: 24 ga

Maximum Single Pass DC TIG Weld: 3/8"

Maximum Multi-Pass DC TIG Weld: 5/8"

Maximum Single Pass AC TIG Weld: 5/16"

Maximum Multi-Pass AC TIG Weld: 3/8"

Minimum Weld Thickness All Voltages: DC: 24 ga, AC: 14 ga

Stick Weld Maximum Electrode Diameter: 1/8 - 5/32" (Depending upon mfg. and type/class)

Plasma Clean Cut Maximum Thickness: 1/2"

Plasma Sever Cut Maximum Thickness: 5/8"

Plasma Minimum Practical Cut: 28 ga

Standard Equipment and Options

Standard Equipment:

- 12.5 ft (4m) 26 Series Air-Cooled Rigid neck (Straight Head) TIG Torch
- 10ft (3m) 24 Series MIG Gun
- 12.5 ft iPT 40 Plasma Torch
- 250A Work Clamp and 10 ft (3m) Cable
- 250A Stick Electrode Holder 10 ft (3m) Cable
- Brass Billet Floating Ball Type Argon Regulator/
- Water Trap for Plasma Cutter
- 6.5 ft. Power Cord (No plug)
- Starter Consumable Kit (No Tungsten)
- 240V to 120V Adapter



Will this unit operate on a generator?

Yes, it will. However, the unit should never be run on an undersized generator, even at less than maximum amperages just to "get -by". We want you to get the best life and performance out of the unit while operating on a generator, so please follow these guidelines when choosing this welder and using your generator to match these additional requirements.

- The generator must be rated as providing "Clean Power Output", This means that it provides 5% or less Total Harmonic Distortion. The generator manufacturer determines this rating. Consult with the manufacturer of the generator before your purchase.
- The generator must be at least 8000 Surge Watts. (1 ph. 240V)
- **Notice:** Switch the welder off before powering down the generator. Do not run the generator out of fuel while the welder is switched on.
- **Failure to use with a proper sized generator will void the warranty.**
- **Failure to use a clean powered generator will void the warranty.**

Customer Favorite Options:

- NOVA Wireless Pedal: **SKU# NVA-WL-FP200-EV07-MTS**
- PowerCard 375LF: **SKU# PC375LF**
- NOVA Rotaflex Water-Cooled 26 Torch, 12.5 ft.: **SKU# NOVA-RF-26-35QD**

Everlast makes every effort to ensure accuracy of stated specifications and kit contents at time of publication. However, due to continual our efforts to improve our products and offerings, stated specifications, accessory kit content or product appearance may change without notice. Any change in specification, kit contents, appearance, length, etc. can be verified by calling toll-free @ 877-755-9353. *In the event of these changes, Everlast will not be liable to provide product, kit contents, or accessories exactly as depicted or described in this publication.* Please review warranty details @ <https://www.everlastgenerators.com/standard-warranty>. The 5 year parts and labor warranty covers only the power source and does not cover accessories or consumables. While this publication may be used in multiple distribution markets, the 5 year warranty only applies to US products only. Canada and other countries maintain different warranty periods and policies. Consult directly with your country's distributor about your warranty details. Accessories, including all NOVA products are covered under a separate warranty. Consumables and consumable kits are not warranted except against manufacturer defect. Since Everlast cannot know every situation and detail of customer's application, any statement of other warranty, expressed or implied, or statement concerning suitability of this product for a specific customer use or application is specifically disclaimed. The customer is responsible for ensuring safe and practical operation of the unit and is solely responsible for the proper use and application of this product and accessories.