EVERLAST
IGBT INVERTER TECHNOLOGY

Typhoon 230

GTAW-P/SMAW

Specifications

Process:	AC/DC GTAW-P/ SMAW with 5 AC wave forms	**Input:**	120/240V	**TIG Range120/240V**	DC TIG: 2-125A/3-230A AC TIG: 3-125A/5-230A	**I1Max 120/240V**	29/32A	**I1Eff 120/240V**	25/27A
TIG Duty Cycle:	120V: 70% @ 125A/15V 240V: 70% @ 230A/19.2V	**OCV:**	TIG: 90V Stick: 83V	**Stick Range: 120/240V**	AC Stick: 10-100A/10-200A DC Stick: 10-100A/10-200A	**TIG Pulse Frequency DC:** **TIG Pulse Frequency AC:** **TIG AC Adv. Pulse Freq:**	.1-999 Hz .1-400 Hz .1-9.9Hz	**TIG Torch Type:**	NOVA 9 Rigid Air-Cooled NOVA 20 Rotaflex Water Cooled
Stick Duty Cycle:	120V: 70% @ 100A/20.4V 240V: 70% @ 200A/28V	**Weight:**	62 lbs.	**Dimensions:** **AC Wave Forms:**	26"L x 17.5"H x 9.75"W Adv.Sq, Sq. ,Tri, Sine, Trap	**AC TIG Frequency:** **Independent Amplitude:**	20-400Hz Yes	**AC TIG Balance:** **Split Wave Form:**	5-70% + (positive) Yes

Our most advanced unit...ever.

Sturdy New Case Design
The new case design is more robust, with additional carrying options with the combination of front and rear handles and a center handle. The size is compact enough and light enough to be easily carried right to where it is needed.

5.1" LCD HD Color Screen
The 5.1" HD (720) TFT is one of the largest in the industry. Its clear, high contrast display is among the biggest and best in the industry.

70% Duty Cycle
The powerful fan design and generous venting provide excellent cooling. A 70% Duty Cycle at the maximum output of 230A is best out there. And now, the unit features the new F.A.C.C.T. system to thermostatically control both the fan and cooler.

Memory Function
The unit is able to save an ample number of programs easily. With the capability to save and store up to 30 different programs, You'll be able to have a specialized program for nearly every job. Plus you can lock it so that it can't be tampered with.

Easy Change of Polarity
This unit makes changing from TIG to Stick and back again and easy task via the use of 35mm² DINSE Type Connectors.

Water-Cooler Ready
Take a peek around back and you'll see that the unit is designed to operate with the stackable PowerCool 375 water cooler. The plug is built right into the rear. The new F.A.C.C.T. system (Fan and Cooler Control Technology) allows the automatic switching of the cooler on and off.

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 such as Tungsten size, metal type and thickness and the machine will give you a very workable setting, eliminating the need to look at complicated charts or apps. The Powerset function is activated simply by selecting this button. Again, no hidden menus or complicated procedure to get to the function. It's right on the front and easy to find.

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

A welder that sets the standard .

The bar has been raised.
The new Typhoon 230 is a powerful member of the all new generation of TIG welders from Everlast. The Typhoon family has a long list of next-level features. These features goes far beyond most all other TIG welders on the market. As the top tier line of welders in Everlast's lineup of TIG welders, the Typhoon series has features that lead its class and establish a new standard for AC/DC TIG welders in the industry. The Typhoon 230 is a powerful machine that is coupled to an easy-to-use interface. The TIG industry's largest Color LCD HD screen comes in at 5.1". The high contrast display features the ability to see and set all the parameters at-a-glance without endless hidden menus, pop-up menus or complicated series of button presses required to select and adjust the functions or parameters.

If you look beyond the apparent intentional simplicity of design, you will find a long list of well thought out features that include items like three adjustable wave forms on DC pulse, five AC wave forms (yes, five), independent amplitude and split AC wave form control. The list of features continue to peal back like an onion though, in AC mode, with not only the ability to set AC amplitude (positive amperage vs negative amperage) independently, you can also set the machine to split each half of the ac cycle into one of the 5 separate wave forms, and set the AC frequency up to 400Hz. The real difference comes through in AC advanced pulse though with a mixture of both AC and DC negative that allows you to achieve the penetration of a machine with 350A or more. The AC advanced pulse function combines the best aspects AC and DC to deliver a much more powerful punch than standard AC can. Of course with a standard DC pulse frequency up to 999.9 Hz and the standard AC pulse frequency up to 400 Hz, you'll have maximum control on thin materials as well.

The unit, as mentioned, has five very finely tuned wave forms in AC that are far more stable than many of its competitors. While the Typhoon has all the standard wave forms including Advanced Square, Soft Square, Triangular and Sine wave, it also has the industry's first Trapezoid wave form This gives a whole new feel and level control while welding Aluminum. When used in the split wave form mode as one half of the wave form, the resulting control and effect become mind blowing. Putting out a mind blowing 230A at a 70% duty cycle the unit easily sets the bar for duty cycle in the 200 to 250A class range of welders.

If you are looking at the welder for use as a stick welder, the unit puts out one of the smoothest DC arcs you will find, which is perfectly suited for E7018 and similar rods. The arc is stable and spatter free. If you are needing E6010, it has excellent performance for open root welding. The unit also features an AC Stick function, for cases when arc blow becomes an issue. The AC stick function even allows you to adjust AC parameters to increase the penetration and travel speed of the rod while welding in AC mode. With 200 Amps of stick output at 70% duty cycle, you'll be able to burn rod after rod without stopping. You'll tire out before it does.

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A bit closer up....

Up Close

Large 5.1" 720HD TFT ColorDisplay
One of the largest and brightest in the industry. This allows us to eliminate hidden menus and sub screens that make operating confusing and frustrating for the user.

Main Operating Features
- AC and DC TIG up to 230Amps.
- AC and DC Stick up to 200A. E6010 capable.
- Adjustable AC Stick frequency and balance.
- Stick Hot Start and VRD functions.
- True low amp Starts. 2A DC and 3A AC starting.
- Tungsten size selection for best starting.
- AC Balance 5-70%. AC frequency 20-400Hz
- Independent Amplitude (Amperage) control in AC.
- 5 Wave forms to choose from: Square, Soft Square, Triangle, Sine and Trapezoid.
- Ability to set the half wave forms between EN and EP.
- New, adjustable HF start design w/ Lift/Live Lift Start.
- AC Pulse up to 400Hz. DC Pulse up to 999 Hz.
- DC Pulse Wave Form shaping. Square, Triangle, Sine.
- AC Advance Pulse extends AC welding capability.
- Spot and Stitch (Recycle) operation AC and DC.
- Fast Tack feature for cold welding applications.
- 2T/4T Switch (for remote operation).
- Pre-Flow / Post-Flow Control
- Start Amps/End Amps
- Up and Down Slope
- Save up to 30 different programs. Lockable Settings.

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).

Easy I.D. of the function selected
The unit displays the function or value selected in multiple ways so you can understand exactly what you are setting. It displays up at the top, on the weld cycle graph and below.

Two-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
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.

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. This helps to safely reduce false arc starts that can lead to accidental arc flashes and electrical shocks common while setting up units..

Welding 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 DC TIG Weld: 3/8"
Maximum Multi-Pass DC TIG Weld: 1"+"
Maximum Single Pass AC TIG Weld: 3/8"
Maximum Multi-Pass AC TIG Weld: 1"+
Minimum Weld Thickness All Voltages: DC: .004", AC: .005"
Stick Weld Maximum Electrode Diameter: 1/8 -5/32"(Depending upon mfgr. and type/class)

Standard Equipment and Options

Standard Equipment:
- 25 ft (4m) 9 Series Air-Cooled Rigid neck (Straight Head) TIG Torch
- 25 ft (4m) 20 Series Water-cooled-Cooled **Rotaflex** TIG Torch
- 350A Work Clamp and 10 ft (3m) Cable
- 250A Stick Electrode Holder 10 ft (3m) Cable
- Brass Billet Floating Ball Type Argon Regulator
- 6.5 ft. Power Cord (No plug)
- Starter Consumable Kit (No Tungsten)
- 240V to 120V Adapter




Customer Favorite Options:
- PowerCool 375 Water Cooler: **SKU# PCW-375-240**
- NOVA Wireless Pedal: **SKU# NVA-WL-FP200-EV07**
- PowerCart 330: **SKU# PC330-H**
- NOVA Rotaflex Water-Cooled 20 Torch, 12.5 ft. : SKU# **NOVA-RF-20-35QD**

Will this unit operate on a generator?
Simply put: Yes, it can. 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.

- Though the welder has PFC, it is recommended the generator be rated as "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 provide at least 8,000 Surge Watts.
- **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 proper sized generators will void the warranty.

Notice: This unit comes standard with a NEMA 6-50 240V 1 phase power plug (North American Market). This is considered the standard welder plug used in all single phase 240V welders in the USA and Canada. It comes with a 240 to 120V adapter as well. If you are wiring your facilities for service, contact and use a local, licensed electrician. Welders have a special code section in the NEC, under article 630 which deals specifically with welding machines. Have the electrician use and follow this code. Do not attempt to rewire the machine. The machine meets the wiring requirements for both conductor and plug size.