



Typhoon 330

GTAW-P/STAW

Specifications

Process:	AC/DC GTAW-P/ STAW with 5 AC wave forms	Input:	240V/3ph Opt. 480V 3ph	TIG Range:	DC TIG: 3-330A AC TIG: 3-330A	I1Max 240V 1/3ph: Opt. 480V 3ph:	65A/32A 18A	I1Eff 240V 1/3ph: Opt. 480V 3ph:	42/21A 12A
TIG Duty Cycle:	40% @ 330A/23.2V	OCV:	TIG: 105V Stick: 85V	Stick Range:	AC Stick: 20-275A DC Stick: 10-275A	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:	40% @ 270A/31V	Weight:	68 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.

40% Duty Cycle

The 40% TIG duty cycle rating is rated at the maximum output of 330A. Compare to other companies with just 300A maximum output and 60% duty cycle at a reduced 250A. When you get the real rating at 300A it may only be 25% duty cycle.

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 an 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.

A new dynasty has dawned .

The new Typhoon 330 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, even more than our legendary EXT series. These features goes far beyond most all other TIG welders on the market. As the top tier line of TIG welders in Everlast's lineup, the Typhoon series has features that lead its class and establish a new standard for AC/DC TIG welders in the industry. For starters, the welder is coupled to an easy-to-use interface, coupled to the industry's largest Color LCD HD screen coming in at 5.1". The simple idea behind the unit's design is for the operator to have the ability to see and set all the parameters without having to access endless hidden menus or perform complicated series of button presses to access and control the parameters.

Look beyond the simplicity of design, and 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 even the ability to split AC wave forms during one cycle.

We have given the unit the ability to set AC amplitude (positive amperage vs negative amperage) independently, for ultimate arc control and tungsten life. While welding aluminum 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 give the operator complete control over the functions with features never before offered.

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 450A 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 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.

If you seeking a welder that doubles 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 250A output, the unit will easily handle most 3/16" rods with ease

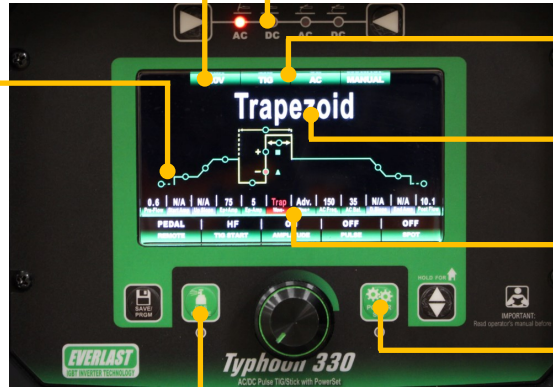
Up Close

Large 5.1" 720HD TFT Color Display

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: 1/2"

Maximum Multi-Pass DC TIG Weld: 1"+

Maximum Single Pass AC TIG Weld: 1/2"

Maximum Multi-Pass AC TIG Weld: 1"+

Minimum Weld Thickness All Voltages: DC: .004", AC: .005"

Stick Weld Maximum Electrode Diameter: 1/8 - 3/16"(Depending upon mfg. 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
- 300A 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**
- PowerCard 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. In practical terms, the large size and cost of the required generator may make operation on a generator an impractical solution.

- 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 be at least 15,500 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.**

Notice: Though a power cable is included, this unit comes without a plug for the cable. This is standard for welders that operate on 1 and 3 phase power since there is no standard plug that can accommodate both due to the differences in the number of conductors. The standard plug the customer will need to supply on 240V 1 phase input is the NEMA 6-50P. See wiring directions in the manual.

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