



# CYCLONE 312

## Specifications

<b>Process:</b>	GMAW/F-CAW/FCAW-G/SAW	<b>Input:</b>	240V 1Ph	<b>Operating Range:</b>	MIG: 30-315A/15.5-29.8V Stick: 10-200A/20.4-30V	<b>I1Max (Inrush):</b>	64A	<b>Stick E6010 Capable:</b>	Yes
<b>Duty Cycle:</b>	35% @ 315A/ 60% @ 250A	<b>OCV:</b>	70V	<b>Std. Drive Roll Size:</b>	.035"-.045" V-groove	<b>I1Eff (Rated):</b>	38A	<b>MIG Gun Type:</b>	36 Series 9.5 ft.
<b>Digital Display</b>	4.3" TFT 480 Standard Def.	<b>Weight:</b>	87 lbs.	<b>Dimensions:</b>	33" L x 11"W x 25"H	<b>Wire Spool Capacity:</b>	8"-12"	<b>PowerSet Mode:</b>	Yes
						<b>Wire Feed Speed*:</b>	700 IPM		

## The Power House.

### Digital IGBT Inverter MIG Power

The Cyclone 312 has an digitally controlled inverter. The inverter design makes it one of the most powerful, yet smallest in its class to have a self-contained undercarriage and cylinder carrying capacity. Duty Cycle weighs in at a substantial 35% at max output, another best-in-class feature.

### Large 4.3" TFT Color LCD Display

Bright, easy-to-read 4.3" color LCD display is easy to navigate and read at a distance. Having a display makes duplicating settings for special jobs simple and accurate. Perfect for beginners and professionals.

### Functions That Make Sense

Functionality and ease of use is improved by having features like wire jog and gas test buttons for loading wire and setting gas flow. The new Run-in function controls initial wire feed speed for better starts.

### Euro-Quick Type MIG Gun Connection

This "universal" connection has been around for years, making quick work of changing guns, whether it be the 9.5 ft 36 series MIG gun, or any optional gun Everlast has to offer.

### Stick Weld Connections on the Front

The unit features of the smoothest Stick arc you'll find. With E6010, the users rave about the arc stability and smoothness that the unit delivers. In fact, it's been ranked among the best in E6010 and E7018 by industry pros.

### Full Undercarriage

This unit is easily moved around the shop thanks to its smooth rolling undercarriage with built-in cylinder rack.

### Choose From Multiple Processes

The Cyclone 312 allows you to choose from Standard MIG with 75/25 Ar/CO<sub>2</sub>, MIG with CO<sub>2</sub>, Self-Shielded Flux-Cored, Gas Shielded Flux-Cored, Stainless MIG, Aluminum MIG, and Stick output settings. In each of these processes, the output can be fine tuned for optimal operation. No more one-size-fits-all settings.

### Save Favorite Settings For Multiple Users

The unit allows you to save all your favorite settings and easily recall them as needed. This is a great feature when you need to control settings in a work environment, or when you have multiple users.

### PowerSet Function Facilitates Setup

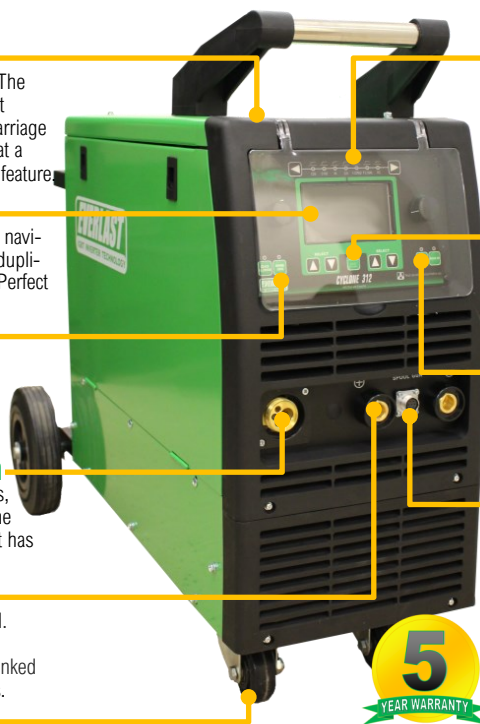
No need to rely on complicated charts and menus to set up your machine. When you select powerset, all you need to do is input the wire size and metal thickness. The unit does the rest.

### Push-Pull or Spool Gun Ready

The optional Parker DSP-360 spool gun is the perfect choice to match the output and duty cycle of the welder for light to medium Aluminum welding chores. For volume or full time use, the optional Parker DSP 360A Push-Pull gun works tirelessly to handle heavy-duty welding chores.

### 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?



## Uses: Industrial, Automotive, Marine, Agricultural and Portable Repair

### Go Beast Mode.

If you are looking for serious power in your MIG welder, that real beastly sort of power that knuckles down and gives you the extra punch you need to get those heavy jobs done, the Cyclone 312 has plenty to spare. With up to 315A of welding power, this MIG welder sits atop its class in both output and duty cycle with 315A @ 35% duty cycle, compared to others with just 300A of maximum output at a duty cycle of 25%. At 250 Amps this welder still delivers better performance with 60% duty cycle. With specialized selections for Steel, Stainless, Aluminum and even Gas-Shielded and Self-shielded Flux-Cored wire this unit can handle most commercial and industrial welding tasks.

The Cyclone 312 is more than MIG welder though. It's a highly capable DC stick welder that performs well with almost all welding rod types, including E6010. While in Stick mode maximum output is 250A @ 35% duty cycle, more than enough output to handle tough chores like structural work and heavy equipment repairs. The unit delivers an exceptionally

smooth welding arc. With features like Arc Force and Hot Start, the performance can be customized to fit your stick welding needs and requirements.

How does the Cyclone 312 deliver more power and better duty cycle while maintaining a smaller stature than the competitor models? The answer is in the digitally controlled inverter design. While the competitors have chosen to stick with under-performing transformer designs by simply giving them face lifts to make them look more up-to-date, the Cyclone actually is up-to-date and ready for professional use.

A long list of features such as pre/post gas flow control, burn back control, wire jog, and crater fill ability, the unit has about everything a pro user could desire. In the synergic PowerSet mode both beginners and professionals can eliminate much of the guess-work involved in machine set-up.

For Aluminum, Stainless, and general distance (up to 25 ft.) welding needs, the unit also can be equipped with the optional spool gun or push-pull gun for MIG welding.

## Manual Set vs. PowerSet



- User has full manual control of all functions.
- Manually select Volts and Amps.
- Full range of control of Volts and Amps from minimum to maximum.
- Set Pre and Post Flow for user preferred operation.
- Set Inductance for more fluid or less fluid puddle.
- Set Start and End Wire Feed Speed for softer starts and crater fill.
- Set Ramping Up and Down of Wire Feed Speed for starting and crater fill.
- Set Burn-Back to reduce need to trim wire before restarts.
- Allows use of Spot and Stitch Timers.
- All settings can be saved and recalled using the memory function.

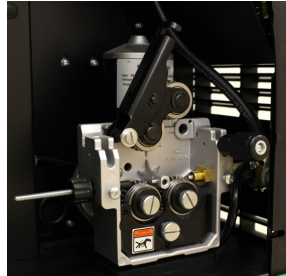


- The synergic programming defines both Voltage and Wire Speed based on the user inputs of wire type, wire diameter and even gas selection (for steel only).
- Helps to eliminate the guess-work and trial and error for both professionals and new users, without hand-cuffing them to a single setting by providing a range of control for Voltage and Wire Speed. This allows the users to be able fine tune settings for different positions and welding styles without going too far off of acceptable parameters.
- Automatically presets and locks many settings for users with limited understanding of controls, and functions and allows user to more quickly set up the machine for professional level results. This is a perfect function where the machine may be used by multiple users with varying levels of skill.
- PowerSet does not allow programs or adjustments to be saved.

### Operator Panel



### Heavy-Duty 4 Roller Drive



### What's Included



- 36 Series MIG Gun, 9.5 ft. Cable
- 250A Stick Electrode Holder
- 300A Work Clamp, 9.5 Ft Cable
- Floating Ball Type Brass Regulator
- .035" and .045" Drive Rolls
- 8" Spool Adapter Ring
- NEMA 6-50 Plug, 6.5 ft. Cable

## Standard Equipment and Options



### Customer Favorite Options:

- Parker DSP 360 Spool Gun 25ft. Sku/Part# EV-PK-DSP360
- Parker SGP 360A Push-Pull Gun 25 ft. SKU/Part# EV-PK-SGP360-A
- .035" -.045" Flux Drive Roll SKU/Part# EV-FLUXROLL-912-1PC
- .035" Hard Wire Drive Roll (V-Groove) SKU/Part# EV-VROLL-912-1PC
- 15 or 24 Series Gun for use with .023" and .030" wire Various SKU/Part#s
- 8" Spool Adapter SKU/Part# EV-SPOOL-8"

### Can this welder operate on a generator?

While the Cyclone 312 is considered primarily a shop unit, its size and relatively low input power requirement allows it to be used with a generator. 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.

- The generator must 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 them before your purchase.
- The generator must provide at least 16,000 Surge Watts. 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 do follow these recommendations may void the welder warranty.

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