PowerPlasma 80

IGBT | HF | PILOT | HIGH OUTPUT

PROCESS: PAC with HF start/Pilot Arc
INPUT: 220-240V 1 Phase, 50/60Hz 70A
OUPUT: 20-70A; 88-112V
INVERTER TYPE: IGBT construction

OCV: 200V
RATED CUT: 1 1/4”
MAXIMUM CUT: 1 1/2”
DUTY CYCLE: 60% @80A, 100% @ 63.4 A

DIMENSIONS: 9”Wx21”Lx17”H
WEIGHT: 65 lbs., unit only
PROTECTION CLASS: IP21S
INSULATION GRADE: F

5 YEAR WARRANTY

SUITABLE FOR

- ⇒ Industrial
- ⇒ Fabrication
- ⇒ Farm
- ⇒ Motor Sports
- ⇒ Maintenance
- ⇒ CNC

If power is what you want, power is what you’ll get with the Everlast PowerPlasma 80 from Everlast. Proven IGBT inverter technology is at the heart of the PowerPlasma 80, delivering up to 1 1/2 inches of severance capability. With low end capability down to 20 amps, it can cut any type material and thickness, with accuracy.

The high frequency start gives instant cutting power as soon as you pull the torch trigger. Its design is simple and reliable. No moving parts are in the torch head, so there is no potential of jamming or delayed starts.

The pilot arc maintains the arc throughout any cutting conditions. When the cut is lost, the pilot arc will automatically transfer the arc back to the torch circuit to keep from having to restart. This is especially useful for cutting grating and expanded metal. Its an excellent feature for cutting through heavily oxidized or painted metal as well. Arc transfer is seamless and efficient, as continuity is gained or lost.

PAC

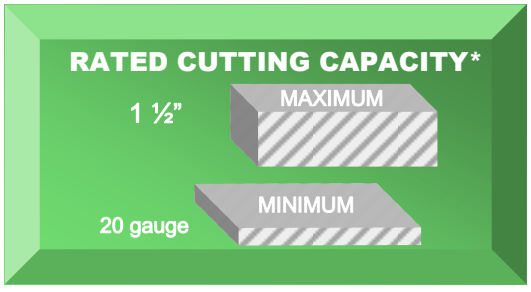

*image not to scale, rated for best cut quality

CUTTING POWER TO SPARE:

20-80 Amp Cutting Range

Never worry about having the right tool to do the job. Stepless control of the amps gives you the ability to precisely set the amps for the job. Cuts can be made down to the thinnest gauge materials with accuracy. Plate metal poses no problem either, with up to 1 1/2” cutting ability and 1 1/4” rated capacity for quality cuts.

Pilot Arc

Gives you the ability to always power the arc and increase cutting speed over rough surface materials like expanded metal. On conventional systems, once the arc is interrupt ed, the trigger must be released and pressed again to restart the arc. With the PowerPlasma pilot arc, once the cutting arc is lost, the system automatically senses the loss of voltage, reduces amperage, and transfers the arc back to the torch head to complete the circuit to maintain an arc. No restarting is necessary when continuity to the work piece is regained.

Power conserving IGBT inverter platform

Inverters have revolutionized the welding industry, by reducing size and weight, while improving operating efficiency. The light-weight design offers the ultimate in portability and allows the cutter to be used with clean power 15,500 watt generators. The use of IGBT technology improves inverter reliability and performance.

Reliable high frequency starting

Nothing starts as quickly and reliably as high frequency. It’s a proven, time tested method of starting the plasma arc. There is no perceptible delay and restarts are immediate, without waiting for the air flow to stop to restart.

High duty cycle

With a high duty cycle of 60% at full power, the Power Plasma cutter does not stop cutting very easily. But there are times when you may reach or exceed the duty cycle. When that happens the unit automatically shuts down until the unit has cooled down to safe operating range.

Adjustable post flow timer

Perfect control of post flow cooling of the torch can always be maintained. For high duty cycle requirements or thick cuts, time can be increased to improve consumable and torch life.

everlastwelders.com

EVERLAST

1-877-755-9353

329 Littlefield Ave. South San Francisco, CA 94080

built with SIEMENS POWER MODULES

PowerPlasma 80

Included Accessories*

P-80 HF Torch, 15 ft.

300 Amp Work Clamp Cable Assembly

Regulator /Filter for Compressed Air

Consumable Kit

Universal Connector

Efficient and safe, the Euro style quick-connect offers interchangeability with aftermarket torch brands like Trafimet®.

Up Close:

Digital meter allows the user to precisely adjust the cutter to any amp setting desired.

Stepless adjustment offers precise control of amps without clumsy, factory-fixed presets, that impede selecting the best settings for the job.

Thermal overload protection warns when the duty cycle has been exceeded and interrupts cutting until the plasma cutter has safely cooled.

CNC/Track torch setting locks the torch on while cutting. Excellent for track torch operation and small CNC cutters without voltage sensing.

Front mounted regulator gives easy access for adjusting the pressure. No reaching around the back or side is required. Simply pull to turn and push in to lock in the setting.

Adjustable Post Flow is a feature unique to Everlast. This helps improve consumable and torch life. It also allows convenient setting for operation with CNC systems. Constant flow is often used for purging, or when extra cooling is required. Also it is used to accurately set operating air pressure.

Low air pressure warning interrupts cutting when air pressure drops below safe limits.

Front air regulator

Plasma Specifications:

OCV	200V
Amps	20-80A
Volts	88-112 V
Post Flow	0-60 Seconds
Air Compressor Requirement	>7.0 CFM @ 90 psi 40 gallon reserve
Inlet Air Pressure	< 85 psi
Cutting Pressure	50-70 psi recommended (40 psi gouge)
Maximum Rated Cut (quality)	1 1/4”
Maximum Severance Cut	1 1/2”
Maximum Pierce	5/8”
Gouging	medium < 1/2”

Optional Equipment:**

Auto-Dark Helmet

- Strong Man
- Fabricator***
- Defender

25 ft torch P-80

- Extra length
- Euro connect

Spare Consumables

- Complete kits
- Individual packs
- High quality
- Different sizes

Cart

- Heavy duty
- 3 shelves

PAC

*Actual appearance of accessories may vary.
** Optional Equipment subject to change.
***Recommended for Plasma cutting and welding.

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