



# Introducing the Freedom 38 PPA™

## Frequently asked questions

### What is the Freedom 38 PPA?

The Freedom 38 PPA is Hypertherm's solution for quality plasma cutting and gouging anywhere and everywhere you work. An engine-driven diesel generator, air compressor, and Powermax® plasma system all in one self-contained unit that is perfect for remote job sites, construction sites, and other places where power and compressed air may be hard to find.

### What does PPA stand for?

Plasma | Power | Air. The Freedom 38 PPA has everything needed for quality cutting and gouging.

### What are the benefits?

The Freedom 38 PPA offers benefits for productivity, safety, and mobility:

**Productivity** – it cuts 3 times faster than oxyfuel on 1" steel, completes weld repairs faster than grinding or other methods, and is up to 5 times faster than machining for beveling or back beveling.

**Safety** – there are no explosive or flammable gases involved, no heavy lifting of cylinders, less noise exposure when gouging, and fewer eye, shoulder, or back injuries from grinding.

**Value** – the Freedom 38 PPA contains everything needed to work on site. No deliveries to coordinate or cylinders to go missing.

### What is the engine?

The Freedom 38 PPA uses a 38 kW Deutz T4i engine with a Stamford alternator, an Atlas Coptco air compressor, and a Dynagen® ToughSeries digital controller.

### Who manufactures the genset?

The genset is manufactured by Stadco® Generators, a leading manufacturer of diesel generators for industrial use.

### Can the Freedom supply 120 V?

Yes. The Freedom 38 PPA has additional outlets for accessory power in both 120 V, 1-phase, and 480 V, 3-phase, making it useful for running a welder, lights or other power tools. The



thickness of the material and the amperage you are cutting at will determine how much power is available for other tools while cutting is in progress.

### What kinds of applications does the Freedom support?

Anything you can do with plasma in a shop can now be done on a job site. For example, you can cut or gouge by hand; use a pipe cutter to cut, bevel, or back bevel pipe; cut, gouge, or bevel plate with a track cutter; or cut scrap or reach extended areas with the Duramax™ Hyamp Long torch.

### What size pipe can you cut with the Freedom?

The pierce capacity of the Powermax system installed in the Freedom determines the thickness of the pipe that can be cut. The Powermax125 can handle 1" wall pipes for straight cuts or beveling.

### Is a trailer included?

No, the Freedom is designed for flexibility. It can be mounted on a trailer, loaded into the back of a truck or hauled on a skid. It can be moved from underneath with a fork truck and there is a lift point designed into the top of the unit for balanced lifting with a crane.

### Which Powermax systems are available?

The Freedom 38 PPA™ is configured with the Powermax125®, a proven workhorse with a recommended cut capacity of 1.5" and a pierce capacity of 1".

**Does the Powermax cut less or run at lower duty cycle on an engine drive?**

The engine drive in the Freedom 38 PPA is sized and specially configured to allow the integrated Powermax system to run at full capacity. So the ratings are the same as for a Powermax running in a shop.

**What kind of torch comes on the Powermax?**

Powermax125 supports a variety of Duramax Hyamp torches, including a standard hand torch, 15° gouging torch, full-length and mini machine torches, and the new Duramax™ Hyamp Long torches in either 2- or 4-foot lengths. Changing torches is as easy as pushing a button, so customers will have the option of configuring the system with one torch or multiple torches depending on their application needs.

**When will the Freedom be available for order?**

The Hypertherm Freedom 38 PPA will launch in January 2016.

**How can I get service for the Freedom?**

Service on the Deutz T4i engine can be handled by any Deutz engine distributor in their large network. Service for the Powermax system is through your Freedom distributor and Hypertherm Technical Service.



Learn more at [www.hypertherm.com](http://www.hypertherm.com)

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