

January 10, 2023

Subject: Ecodesign Directive updates for XPR, MAXPRO and HPR power supplies and XPR Revision V firmware upgrade

Hypertherm Associates is implementing changes to its large, mechanized plasma power supplies to comply with the European Union's Ecodesign directive. More information on this requirement is available [here](#).

- **What is this directive?**

The Ecodesign directive, first adopted in 2008, sets mandatory energy consumption requirements for energy-using and energy-related products. Recently, the European commission established a "maximum energy consumption while idling" rule. To comply, all Hypertherm XPR, MAXPRO200, and HPR400XD power sources must consume less than 50W while in an idle state.

- **What products are affected by the regulation?**

The change will apply to 400V and 415V CE XPR, MAXPRO200, and HPR400XD systems.

- **When is the regulation taking effect?**

All 400V and 415V CE systems placed into the market in 2023 and after must comply with the Ecodesign regulation.

- **Do I need to update my inventory if I have units made before 2023?**

Maybe. The Ecodesign directive may impact products purchased prior to 2023. We recommend consulting with a professional advisor to see if any products in your inventory are impacted. Hypertherm 400V and 415V CE products produced by Hypertherm Associates on or after 1 January 2023 will comply with the directive. For more information on product specifications, please visit our Xnet or speak with your Hypertherm Associates representative.

- **Is this change going to be implemented elsewhere?**

The Ecodesign directive only applies to countries in the European Union, but for simplicity of product configuration, Hypertherm Associates plans to implement the Ecodesign changes on all XPR, MAXPRO200, and HPR400XD systems produced on or after 1 January 2023.

- **How can I tell if power supplies in my inventory are compliant with the directive?**

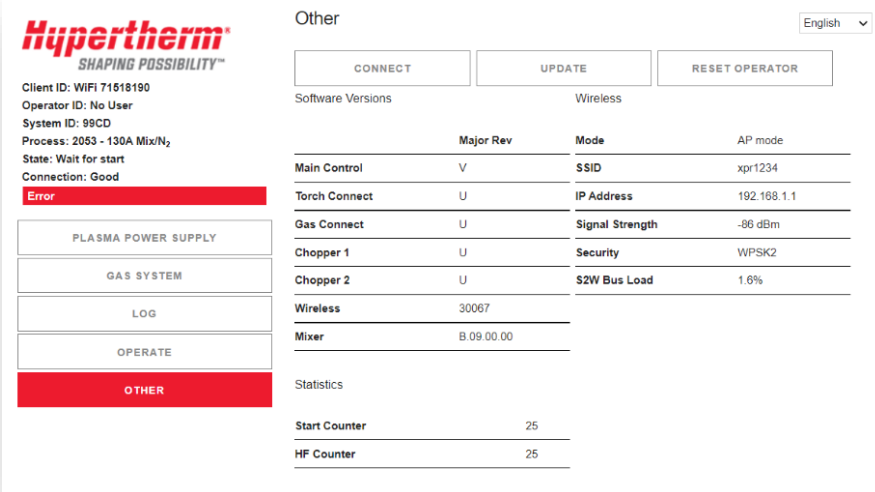
Any 400V or 415V CE system manufactured after 1 January 2023 will be Ecodesign-compliant. You can verify the date of production for systems in your inventory by looking at the power supply data plate, typically located behind a rear or side panel. The manufacturing date is on the bottom of the data plate, to the left of the unit serial number. In addition, you may want to look at the Standby Power rating. This rating, preceded by a PS or Ps, is located just above the manufacturing date. Compliant systems will have a manufacturing date on or after 1 January 2023 and a Standby Power rating of less than 50W. Hypertherm Associates will also update the documentation included with the unit.

- **What components is Hypertherm changing to comply with the regulation?**

In general, XPR and HPR400XD systems will receive new control boards, harnesses, and relays, while MAXPRO200 systems will get a new transformer. End users will not notice these changes and no integration changes are necessary.

- **Will software changes be made to comply with the regulation?**

Yes. XPR will come with firmware revision V for units produced in and after January 2023. Older XPR units may be upgraded to use revision V without any hardware changes. Again, end users will not notice these changes and no integration changes are necessary. After the XPR is updated, the new firmware will transition revision levels as shown below:



The screenshot shows the 'Other' menu in the Hypertherm control interface. On the left, there are navigation buttons: PLASMA POWER SUPPLY, GAS SYSTEM, LOG, OPERATE, and OTHER (highlighted in red). Below these is an 'Error' message. The main area displays system information and a table of software versions.

System Information:
Client ID: WiFi 71518190
Operator ID: No User
System ID: 99CD
Process: 2053 - 130A Mix/N₂
State: Wait for start
Connection: Good

Buttons: CONNECT, UPDATE, RESET OPERATOR

Software Versions		Wireless	
	Major Rev	Mode	AP mode
Main Control	V	SSID	xpr1234
Torch Connect	U	IP Address	192.168.1.1
Gas Connect	U	Signal Strength	-86 dBm
Chopper 1	U	Security	WPSK2
Chopper 2	U	S2W Bus Load	1.6%
Wireless	30067		
Mixer	B 09:00:00		

Statistics

Start Counter	25
HF Counter	25

Please reach out to your Hypertherm Associates sales manager if you have any questions or concerns.