



**WE'VE CREATED A  
CUTTING MARVEL.**

Thermal Dynamics® **Cutmaster® 60i**

**THE THERMAL DYNAMICS CUTMASTER 60I:  
A THING OF WONDER.**

IT IS EXTREMELY POWERFUL, CAN CUT THROUGH A MULTITUDE OF METALS, AND NEVER BACKS DOWN, FROM FIRST CUT TO CLEANUP. THE QUESTION IS: ARE YOU READY TO TAKE YOUR PLASMA CUTTING TO THE NEXT LEVEL?



# AN ASTONISHING BALANCE OF POWER AND PORTABILITY.

When it comes to power and weight, Cutmaster 60i strikes the right balance. At only 16.2 kg, its compact and lightweight design makes it highly portable – without sacrificing power or performance to achieve this.

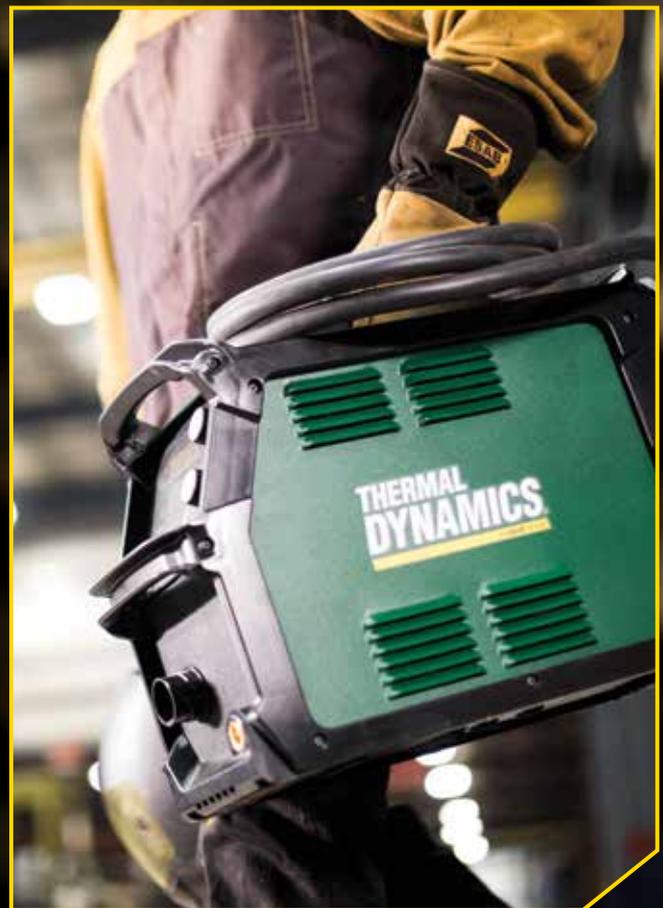
## **Increased cut capacity and cut speed** –

Cutmaster 60i's recommended cut capacity is 16 mm with a maximum sever of 38 mm and a 16 mm pierce.

**Superior duty cycle** – Cut more, faster and for longer. The machine's duty cycle of 50% at 60 A while cutting mild steel equates to a 7.6 kW power supply rating – the highest output in its class.

**Rugged roll cage** – With multiple lift points, the sturdy four-handle roll cage makes it easy to transport your Cutmaster 60i where you need to – including outdoors. The machine's IP23S protection rating proves it is ready to face whatever elements come your way.

**Power factor correction (PFC)** – If you find yourself with a poor connection via generator or otherwise, PFC will stop the draw from spiking and keep power flowing smoothly.



# EXCEPTIONAL, EXTENDED CUTTING ARC.

The Cutmaster 60i does not play around when it comes to cut capacity or cut speed. It slices cleanly through mild steel, aluminium, and stainless steel with ease and creates a perfect groove when gouging. Much of it is due to one thing: the SL60QD™ 1Torch®.



**Long arc stretch** – When you are in an odd position or trying to hit a corner, Cutmaster 60i's extra-long arc will stretch to keep constant contact with the workpiece.

**Modes of operation** – The machine also has four modes of operation – twice as many as competitors – cut mode, expanded metal cutting mode, gouging mode, and latch mode, which allows you to lock the torch trigger so you can focus on cutting.



**SL60QD 1Torch** – This torch has a lot to offer. First, it is compatible with the entire Cutmaster family and other cutting systems in the industry. Second, “QD” stands for quick disconnect, which gives you the option of replacing only what you need to replace – the torch or the lead – and that saves you money in the long run.

**Only three consumable parts** – That means fewer parts to keep on hand and quicker changes, so you can keep cutting.

# SUPERCARGE YOUR CUTTING.

Prepare to take your cutting to the next level. From first cut to cleanup, all day, every day, you will be able to face any challenge with the Cutmaster 60i at your side.

**Durable LED display** – The system's large, high-visibility display allows for easy viewing of all machine settings from a distance. The intuitive, easy-to-use display instantly provides the necessary feedback for keeping your settings and cut quality optimised.

**Gas optimiser** – This unique technology precisely regulates air pressure, ensuring premium cut quality and performance. When you set amperage and select torch type, torch lead length, and mode of operation, you're visually prompted to adjust gas pressure accordingly while still having the flexibility to tweak the settings to your liking.



**Consumables end-of-life indicator** – Cutmaster 60i's end-of-life indicator monitors the remaining life of the consumable parts and alerts you when it is time to replace, maintaining optimal performance and cut quality.

**Consumables configuration guide** – Look to the top of the power source for easy-to-follow instructions on how the consumables work together. Need more info? There is a quick-start guide in the box that'll have you up and running in no time.

# MORE THAN JUST A POWER SOURCE.

As if the power, cutting prowess, and usability are not enough, there is more. The Cutmaster 60i has an industry-leading, 3-year handle-to-handle warranty.

## INCLUDED ACCESSORIES

- SL60QD 1Torch with lead
- Work lead with ground clamp
- Spare parts kit
- Operating manual and quick-start guide
- Filter wrench



To see the Cutmaster 60i in action and find out how to take control of the latest plasma technology yourself, visit [esab.com/marvel](http://esab.com/marvel).

## SPECIFICATIONS

Amperage Output	10–60 A, continuously adjustable
Rated Output Power	7.6 kW
Open-Circuit Voltage (OCV)	300 V
Input Voltage	400 VAC
Number of Phases	3 ph
Supply Frequency	50/60 Hz
Rated Duty Cycle	50% @ 60 A 60% @ 50 A 100% @ 40 A
Amperage Draw	13.2 A @ 400 V
Enclosure Rating	IP23S
Input Power Cable and Plug	2.7 m three phase 14 AWG 4/C
Work Lead with Ground Clamp	6 m work cable with 50 mm connection
Gas Requirements	Compressed air
Operating Temperature Range	0°C–50°C
Input Pressure	8.6 bar max.
Air Flow Requirements (cutting and gouging)	142–235 l/s
Power Supply Gas Filtering Ability	Particulates to 5 Microns
Recommended Cut	16 mm
Maximum Sever	38 mm
Pierce Rating	16 mm
Torch Duty Cycle	100% at 60 A @ 400 scfh air flow
Torch Air Pressure	5.2 bar
Torch Air Consumption	190 l/min
Torches (for use with the Cutmaster 60i)	SL60QD 1Torch (supplied) SL60/SL100 1Torch SL100 Mechanised 1Torch SL100SLV Automated 1Torch

There is more where the Cutmaster 60i came from. If it is not exactly what you need, ask your distributor about the Cutmaster 40, Cutmaster 80, Cutmaster 100, or Cutmaster 120.

## SENTINEL™ A50

The best fabricators deserve the best equipment. And when it comes to helmets, this is it. [Learn more at esab.com/sentinel](https://www.esab.com/sentinel).



# UNRIVALED SERVICE AND SUPPORT.

Thermal Dynamics Cutmaster 60i, like every ESAB machine, is backed by our commitment to superior customer service and support. Our skilled customer service department is prepared to quickly answer any questions, address problems, and help with maintenance and upgrading of machines.

**Ask about the new Thermal Dynamics Cutmaster 60i today.**



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