

# Powermax33 XP

Recommended cut capacity of 13 mm (1/2")

Severance capacity of 20 mm (3/4")

Professional grade



The Powermax33® XP is a portable powerhouse that delivers the most power and the thickest cutting capacity in its class, along with an unmatched 6-year power supply warranty.

**More power. More value.**

## Key benefits

### Get up and running quickly

Portable and easy-to-use, get cutting quickly with improved cut quality

### Longer consumable life

Up to 10x longer consumable life compared to competitors saves money in the long run

### Built to last

Robust design ensures system durability in harsh environments, backed by an industry-leading warranty

## Cut and gouge capacities

Capacity	Thickness	Cut speed
<b>Cutting</b>		
Recommended	13 mm (1/2")	400 mm/min (16 ipm)
	16 mm (5/8")	250 mm/min (10 ipm)
Severance	20 mm (3/4")	125 mm/min (5 ipm)

Torch output*	4.1 kW
	33 A x 125 V ÷ 1000 W = 4.1 kW

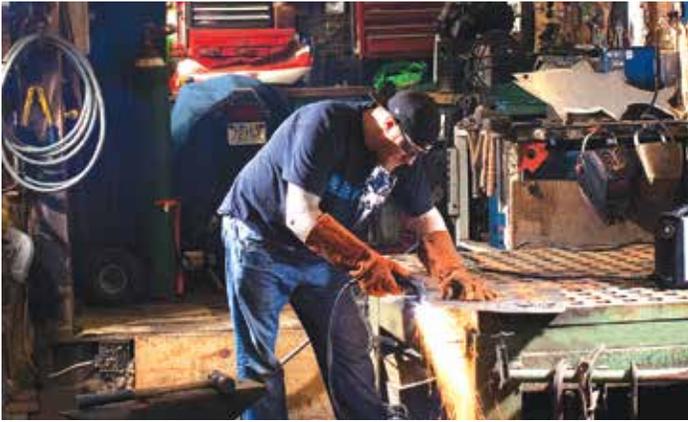
\*Higher output voltage at the torch, plus efficiently designed consumables, result in a faster, cleaner cut.

## Portable and versatile.

Highly portable, the Powermax33 XP handles a wide range of jobs and provides high-power capability for thick-metal cutting and FineCut® consumables for detailed, thin-metal cutting. With a dual-voltage design, it can run on a 240 V circuit and, depending on the region, a 120 V circuit.

**Unique “two-in-one” design provides high-power capability for thick metal cutting and FineCut consumables for detailed, thin metal cutting.**

**THE BEST  
INVESTMENT  
IS IN YOUR  
POWER**



## Highlighted product features:

### Easy to use

- Simplified operations get you cutting quickly and easily
- Small and lightweight, the Powermax33 XP delivers whenever and wherever you need it
- Quickly cut metal grate or rusted metal without retriggering with the continuous pilot arc feature

### Versatile

- Plug into any 120 or 240 V circuit (convenient Auto-Voltage™ technology and plug adapters included)
- Two-in-one design for maximum versatility with high power for thicker metals and FineCut consumables for high-quality cuts on thinner metals

### Industry-leading reliability

- Powermax plasma cutters are known to last decades in the field, minimizing maintenance and downtime
- Torches are engineered for rugged industrial environments
- Each Powermax component is tested to perform reliably in demanding conditions

## Our customers' preferred cutting tool for industries including:

- Automotive repair/restoration
- Metal art and signage
- Property/plant maintenance
- HVAC/mechanical contracting
- Educational/trade schools
- Agricultural/equipment maintenance

## Specifications – CSA

## Specifications – CE

Input voltages (± 10%)	120-240 V, 1-PH, 50/60 Hz
Input current @ 4.1 kW	120-240 V, 1-PH, 24-20.5 A
Output current	15-33 A
Rated output voltage	125 VDC
Duty cycle @ 40° C (104° F)	35%, 240 V 20%, 120 V
Open circuit voltage (OCV)	256 VDC
Weight with 4.5 m (15') torch	9.5 kg (21.4 lbs)

CSA – for use in the Americas and Asia, except China.

CE – for use in Europe, UK – UKCA and other countries where accepted.

Dimensions with handles	356 mm (14.0") D; 140 mm (5.5") W; 292 mm (11.5") H
Gas supply	Clean, dry, oil-free air or nitrogen
Recommended gas inlet flow rate/pressure	113.3 l/min (4 scfm) @ 80 psi (5.5 bar)
Input power cable length	3 m (10')
Power supply type	Inverter – IGBT
Engine drive requirement	5.5 kW for full 33 A output
Recyclability	100%
Warranty	Power supply: 6-year, Torch: 1-year

## Ordering information – CSA

Below are the standard system configurations, which include a power supply, torch, and work lead

	Duramax LT torch hand torch with 4.5 m (15') lead and work clamp with 4.5 m (15') lead
<b>Powermax33 XP® power supplies</b>	<b>Handheld</b>
120-240 V CSA USA Edition	088592
120-240 V CSA International handheld	088090

CSA – for use in the Americas and Asia, except China

## Ordering information – CE

Below are the standard system configurations, which include a power supply, torch, and work lead

	Duramax LT torch hand torch with 4.5 m (15') lead and work clamp with 4.5 m (15') lead
<b>Powermax33 XP® power supply</b>	<b>Handheld</b>
120-240 V CE standard	088091

CE – for use in Europe - RCM, Serbia, UK - UKCA and other countries where accepted.



## Torch consumable parts

Consumable type	Torch type	Amperage	Shield/Deflector	Retaining cap	Nozzle	Electrode	Swirl ring
Standard	Hand	33	420116	420114	420118	420120	420211
FineCut	Hand	33	420115	420114	420117	420120	420211
HyAccess™	Hand	33		420148	420144 (cutting) 420147 (gouging)	420137	220670

Electrodes and nozzles are sold in packs of five, as well as combination packs of 2 electrodes and 2 nozzles.

Description	Part number
Standard combo pack	428243
FineCut combo pack	428244

## Consumable kits



### Essential consumable kit

Essential kits provide a convenient assortment of standard consumables for your Powermax® system. The storage case protects and organizes your consumables and provides part number information for ease of reordering your consumables. Made in USA.

851479 Powermax30 XP/Powermax33 XP kit



### HyAccess consumable kit

Uniquely designed for accessibility, the patented HyAccess™ extended consumables provide the extra reach needed when cutting or gouging in hard to reach or confined spaces.

428337 HyAccess consumable kit



## Recommended Hypertherm genuine accessories

Part number	Description
Face Shield: Clear face shield with flip-up shade for cutting and grinding. Safety shield included. ANSI Z87.1, CSA Z94.3, CE.	
127239	Face shield shade 6
127103	Face shield shade 8
Circle cutting guides: Quick and easy set up for accurate circles up to 70 cm (28") diameter. For optional use as a stand-off guide for straight and bevel cuts. Made in USA.	
127102	Basic kit - 38 cm (15") arm, wheels and pivot pin
027668	Deluxe kit - 28 cm (11") arm, wheels, pivot pin, anchor base and plastic case
Flip-up eyeshades: Shade 5 (for <40 A) flip-up shade, anti-scratch lens and adjustable frame. ANSI Z87.1, CSA Z94.3, CE.	
017033	Flip-up eyeshades
System dust covers: Made from a flame-retardant vinyl, a dust cover will protect your Powermax system for years. Made in USA.	
127144	Cover, Powermax30 XP and Powermax33 XP

## Accessories



Face shield

Flip-up eyeshades

System dust covers

Circle cutting guides

Learn more at [www.hypertherm.com/powermax33XP](http://www.hypertherm.com/powermax33XP)

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