HYPERTHERM®
A Hypertherm Associates Brand

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
	Cutting	
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.

This product is not currently available for sale in Ukraine, China, Saudi Arabia, or South Africa.

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 torch with 4.5 m (15') lead and work clamp with 4.5 m (15') lead	
Powermax33 XP® power supplies	**Handheld**	**Mechanized**
120-240 V CSA USA Edition	088592	
120-240 V CSA International handheld	088590	088597
200-240V CSA Mexico Edition	088596	

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
Powermax33 XP® power supply	**Handheld**
120–240 V CE standard	088591

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
Mechanized	Machine	33	220673	420148	420118	420137	420211

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

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