

Hypertherm[®]

2019 Powermax[®] family catalog



50 years of Shaping Possibility®

With the right tools and a relentless focus on innovation, partnership, and community, we believe anything is possible.

Fifty years ago, in a small two car garage, Hypertherm® began our journey with simple, powerful ideas about business and an invention that shaped the future of industrial cutting. The same ideals that fueled our inception all those years ago are still what drive us today: A passion for challenging what is achievable with the products we create, the culture we foster, and the experience we deliver to our customers. As we look to the horizon and the next 50 years, we are proud that our people, partners, and innovations will shape the future with solutions that make anything possible for industries around the world.

At Hypertherm, we give shape to our customers' vision with the world's leading industrial cutting solutions. Every day we help individuals and companies around the world envision better, smarter and more efficient ways to produce the products that shape our world. So whether you're cutting precision parts in North America, constructing a pipeline in Norway, fabricating agricultural machinery in Brazil, cutting stone in Italy, gouging out welds in the mines of South Africa, or building a skyscraper in China, you can count on Hypertherm to help you not just cut parts but achieve your vision.

Protect your investment. Choose genuine Hypertherm torches and consumables to keep your Powermax® system running at peak performance. Incorporating the latest technologies and manufactured to the highest standards, Hypertherm consumables enhance cut quality, extend consumable life, and boost productivity.

Drag cutting	Consumables for placing the torch directly on the work piece without a standoff.
Mechanized cutting	Consumables for portable automation, CNC table and robotic cutting.
Max control gouging	Consumables for precise metal removal, shallower gouge profiles and light metal washing.
Max removal gouging	Consumables for aggressive metal removal, deep gouge profiles and extreme metal washing.
Precision gouging	Consumables for spot and tack weld removal at very low output current (<25 A).
Marking	Consumables for scoring, indicating part identification, hole or weld locations.
Extended reach cutting	HyAccess™, extended reach consumables for improved visibility and accessibility when cutting or gouging in confined spaces.
Fine feature cutting	FineCut® consumables for narrow kerf width with minimal dross and heat affected zone.
Flush cutting	FlushCut™ consumables for cutting closer to base materials as possible without piercing or damaging the workpiece.

100% employee ownership matters

At Hypertherm, we are not just employees: we are all owners. Ownership is a powerful motivator that ensures our customers are our top priority. As owners, we make sure every product is built to the highest quality and that our service is second to none. And we build long-term relationships that deliver value for us, our partners and our customers.

Worldwide presence and strength

Hypertherm is a key partner for your fabrication needs and has built a global organization focused on providing high-performance cutting solutions.








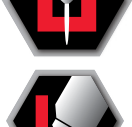

Key elements of the Hypertherm formula include:

- Dedicated Associates focused on customer-centered product design and support
- Local sales and service
- Broad application experience and proven results
- Sustainable and ethical business practices benefit our customers and communities

Powermax®

Product line overview



		Powermax30 XP	Powermax30 AIR	Powermax45 XP	Powermax65	Powermax85	Powermax105	Powermax125
Cut capacity	Recommended	3/8"	5/16"	5/8"	3/4"	1"	1-1/4"	1-1/2"
	Severance	5/8"	5/8"	1-1/8"	1-1/4"	1-1/2"	2"	2-1/4"
	Output range	15-30	15-30	10-45	20-65	25-85	30-105	30-125
	Input phase	Single	Single	Single or three	Single or three	Single or three	Three	Three
Application capabilities	 Mechanized cutting			●	●	●	●	●
	 Drag cutting	●	●	●	●	●	●	●
	 FineCut®	●		●	●	●	●	●
	 Marking			●				
	 Precision gouging			●				
	 Max control gouging			●	●	●	●	●
	 Max removal gouging				●	●	●	●
	 HyAccess™	●		●	●	●	●	●
	 FlushCut™			●	●*	●*	●*	●

*Using the 45 A FlushCut consumables above 45 amps on the Powermax65/85/105 will cause premature consumable damage.

Powermax30[®] XP

Professional-grade plasma system for handheld cutting 3/8" metal.

Easy-to-use, two-in-one design

- High-power cutting on thick metal plus FineCut[®] consumables for detailed, thin metal cutting.
- Plug into any 120 or 240 V power with Auto-Voltage[™] technology and included plug adapters.

Finish jobs faster

- 50% increase in cutting power* for fast cut speeds.
- Less edge preparation – patented consumables designs provide superior cut quality.
- Twice the consumable life* and 70% more efficient on average for lower cost of cutting.

Rugged and reliable

- New Duramax[®] LT torch designed to withstand impact and heat.
- Hypertherm Certified[™] reliability ensures performance in the most demanding environments.
- Durable carrying case protects the system and gear.



Duramax LT hand torch



Capacity	Thickness	Cut speed
	Cutting	
Recommended	3/8"	20 ipm 10 ipm
Severance	5/8"	5 ipm

Specifications

Input voltages	120-240 V, 1-PH, 50/60 Hz
Input current @ 3.8 kW	120-240 V, 1-PH, 25.5-18.8 A
Output current	15-30 A
Rated output voltage	125 VDC
Duty cycle @ 104° F	35%, 240 V 20%, 120 V
Open circuit voltage (OCV)	256 VDC
Dimensions with handles	14.0" D; 5.5" W; 11.5" H
Weight with 15' torch	21.4 lbs.
Gas supply	Clean, dry, oil-free air or nitrogen
Recommended gas inlet flow rate/pressure	4 scfm @ 80 psi
Input power cable length	10'
Power supply type	Inverter – IGBT
Engine drive requirement	5.5 kW for full 30 A output
Certifications	CSA-certified for use in the Americas and Asia, except China.
Warranty	Power supply: 3-year Torch: 1-year

Cutting with 120 V input power

Use FineCut nozzle and deflector for cutting at 120 V input power. When operating at the maximum recommended output of 25 A, the cut capacities are:

- 1/4" at 19 ipm
- 3/8" at 8 ipm
- 1/2" at 3 ipm

*compared to Powermax30

Hand systems		
088080	Powermax30® XP system, 120-240 V 1-PH, CSA, plus 75° handheld torch w/consumables, 15' lead w/carry case	\$1,690.00
088081	Powermax30 XP system, 120-240 V 1-PH, CSA, plus 75° handheld torch w/consumables, 15' lead	\$1,650.00
088079	Powermax30 XP system, 120-240 V 1-PH, CSA, plus 75° torch w/consumables, 15' lead, "American Built" edition w/case	\$1,690.00

*"American Built" edition comes with special graphics, carry case, shade 5 glasses and cutting gloves.

Torch assembly		
428174	Duramax® LT Hand Torch Assembly with 15' leads	\$310.00

Torch consumables		
420117**	Nozzle, Duramax LT, 15-30 A, FineCut®	\$7.50
420118**	Nozzle, Duramax LT, 15-30 A, standard cutting	\$7.10
420144**	Nozzle, HyAccess™, 15-45 A, cutting	\$35.00
420147**	Nozzle, HyAccess, 15-45 A, gouging	\$35.00
420120**	Electrode, Duramax LT, 15-30 A	\$7.50
420137**	Electrode, HyAccess, 15-45 A	\$24.90
420211	Swirl ring, Duramax LT, 15-30 A	\$17.20
220670	Swirl ring, T45v/m, 15-45 A	\$20.40
420114	Retaining cap, Duramax LT, 15-30 A	\$26.25
420148	Retaining cap, HyAccess, 15-45 A	\$46.25
420116	Shield, Duramax LT, 15-30 A	\$14.70
420115	Deflector, Duramax LT, 15-30 A, FineCut	\$14.70

**Minimum order quantity of 5 per pack

Consumable kits and packs		
851479	Consumable kit, Powermax30 XP Essential handheld, 30 A, cutting	\$176.00
428244	Dual pack, electrode and nozzle, Duramax LT, 15-30 A, FineCut, qty. 2 each of 420120 and 420117	\$30.50
428243	Dual pack, electrode and nozzle, Duramax LT, 15-30 A, standard cutting, qty. 2 each of 420118 and 420120	\$29.50
428337	Consumable kit, HyAccess, 15-45 A, cutting and gouging	\$170.00
428443	Starter pack, HyAccess, 15-45 A, Cutting, qty. 1 each 420148, 420144 and 420137	\$94.00
428444	Starter pack, HyAccess, 15-45 A, gouging, qty. 1 each 420148, 420147 and 420137	\$94.00

Optional system accessories		
127410	System carry case, Powermax30 XP or Powermax30	\$80.00
017060	Rolling tool bag, 19.5" x 17.5" x 12.5"	\$85.00
127144	System storage dust cover, Powermax30 XP or Powermax30	\$62.50
229132	Extension power cord: 120 V/15 A Adapter	\$28.50
229133	Extension power cord: 240 V/20 A Adapter	\$39.75
229134	Extension power cord: 120 V/20 A Adapter	\$20.60
128647	Eliminizer air filtration kit, 1-micron filter and auto-drain moisture separator	\$210.00
011092	Replacement filter element for eliminizer air filter	\$66.00
428719	Oil removal air filtration Kit, 0.01-micron coalescing oil extracting filter	\$275.00
428718	Wall mounting bracket kit for eliminizer air filter or oil removal air filter	\$40.00
428720	Replacement filter element for oil removal air filter kit	\$70.00
024877	Leather torch lead cover with hook and loop closure, black, 25' section	\$115.00
027668	Plasma circle cutting guide, deluxe kit with magnetic base	\$201.00
127102	Plasma circle cutting guide, basic	\$122.00
017041	Plasma angle cutting guide	\$127.00
017042	Magnetic straight edge	\$110.00
017059	Bevel guide	\$158.00
017043	Magnetic block 2-pack	\$87.00
017044	Pocket level and measuring tape holder	\$26.50

Torch consumable stack-up



Consumable type	Torch type	Amperage	Shield/Deflector	Retaining cap	Nozzle	Electrode	Swirl ring
Standard	Hand	30	420116	420114	420118	420120	420211
FineCut®	Hand	30	420115	420114	420117	420120	420211
HyAccess™	Hand	30		420148	420144 (cutting) 420147 (gouging)	420137	220670



Powermax30[®] AIR

Professional-grade plasma system with internal air compressor for high portability and easy metal cutting.



Easy-to-setup and operate

- Operate it anywhere with the internal air compressor.
- Plug into any 120 or 240 V power with Auto-Voltage™ technology and included plug adapters.
- Highly portable. The smallest, lightest weight system in its class.

Finish jobs faster

- Do more in less time. Fast cutting speeds and superior cut quality result in less secondary operations.
- Quickly cut metal grate or rusted metal without retriggering with the continuous pilot arc feature.
- One tool to cut a variety of metal types and thicknesses.

Rugged and reliable

- New AIR T30 torch is rugged and designed to withstand the toughest environments.
- Robust internal air compressor eliminates the costs associated with an external compressor.
- Hypertherm Certified™ reliability ensures performance in the most demanding environments.



AIR T30 hand torch

Capacity	Thickness	Cut speed
	Cutting	
Recommended	5/16"	20 ipm
	3/8"	10 ipm
Severance	5/8"	5 ipm

Specifications

Input voltages	120-240 V, 1-PH, 50/60 Hz
Input current @ 2.5 kW	120-240 V, 1-PH, 29-15 A
Output current	15-30 A
Rated output voltage	83 VDC
Duty cycle @ 104° F	35%, 240 V 20%, 120 V
Open circuit voltage (OCV)	256 VDC
Dimensions with handles	16.5" D; 7.7" W; 13.1" H
Weight with 15' torch	29.8 lbs.
Input power cable length	10'
Power supply type	Inverter - IGBT
Engine drive requirement	5.5 kW for full 30 A output
Certifications	CSA-certified for use in the Americas and Asia, except China
Warranty	Power supply: 3-year Torch: 1-year

Hand systems		
088097	Powermax30® AIR system, 120–240 V 1-PH, CSA, plus 75° handheld torch w/consumables, 15' lead	\$2,090.00
088096	Powermax30 AIR system, 120–240 V 1-PH, CSA, plus 75° handheld torch w/consumables, 15' lead, "American Built" ed	\$2,070.00

Torch assembly		
428393	Air T30 hand torch assembly with 15' lead	\$342.00

Torch consumables		
420132*	Electrode, AIR T30, 15–30 A	\$7.70
420134*	Nozzle, AIR T30, 15–30 A	\$7.60
420133	Swirl ring, AIR T30, 15–30 A	\$17.20
420135	Retaining cap, AIR T30, 15–30 A	\$34.25
420399	Deflector, AIR T30, 15–30 A	\$18.10

*Minimum order quantity of 5 per pack

Consumable kits and packs		
428350	Dual pack, electrode and nozzle, T30 AIR, 15–30 A, cutting	\$31.00
851462	Consumable kit, Powermax30 AIR Essential handheld, 30 A, cutting	\$166.00

Optional system accessories		
127469	System storage dust cover, Powermax30 AIR	\$74.00
017060	Rolling tool bag, 19.5" x 17.5" x 12.5"	\$85.00
229132	Extension power cord: 120 V/15 A adapter	\$28.50
229133	Extension power cord: 240 V/20 A adapter	\$39.75
229134	Extension power cord: 120 V/20 A adapter	\$20.60
024877	Leather torch lead cover with hook and loop closure, black, 25' section	\$115.00
027668	Plasma circle cutting guide, deluxe kit with magnetic base	\$201.00
127102	Plasma circle cutting guide, basic	\$122.00
017041	Plasma angle cutting guide	\$127.00
017042	Magnetic straight edge	\$110.00
017059	Bevel guide	\$158.00
017043	Magnetic block 2-pack	\$87.00
017044	Pocket level and measuring tape holder	\$26.50

Torch consumable stack-up



Consumable type	Torch type	Amperage	Shield/Deflector	Retaining cap	Nozzle	Electrode	Swirl ring
Standard	Hand	30	420399	420135	420134	420132	420133

Powermax45[®] XP

Professional-grade plasma system for cutting 5/8" thick metal, gouging, and marking.



Easy-to-use with versatile design

- Small size and light weight provides exceptional portability for a 5/8" rated cutting system.
- Handheld and mechanized usage with CNC interface and FastConnect™ torch connection.
- Patented drag-cutting technology makes it easy to use – even for first-time operators.
- Tackle different jobs with multiple, easy-to-use torch and consumable styles.
- No need to change the air pressure. Smart Sense™ technology ensures that it is always correctly set.
- Mark, score and make precision gouges with new low amp process.

Maximum productivity

- Finish jobs faster with cut speeds one and a half times greater than oxyfuel on 1/4" mild steel.
- Spend less time on grinding and edge preparation due to superior cut and gouge quality.
- Fast change out of consumables using the new torch disable switch feature.

Rugged and reliable

- Duramax® Lock torches are designed for high-impact and heat resistance.
- SpringStart™ technology ensures consistent starting and a more reliable torch.
- Hypertherm Certified™ reliability ensures performance in the most demanding environment.

Torches

- To see details on all torches compatible with this system, please refer to the torch applications chart on page 30.



Capacity	Thickness	Cut speed
	Cutting	
Recommended	5/8"	20 ipm
	7/8"	10 ipm
Severance (hand cutting) Pierce*	1-1/8"	5 ipm
	1/2"	

* Pierce rating for handheld use or with automatic torch height control

Capacity	Metal removal rate	Groove profile*
	Gouging	
Typical gouge	7.5 lbs. per hour	.12" D x .26" W

* Actual groove profile varies with torch angle, arc stretch and technique

Specifications

Input voltages (± 10%)	200-240 V, 1-PH, 50-60 Hz 480 V, 3-PH, 50-60 Hz
Input current @ 6.5 kW	200-240 V, 1-PH, 39/32 A 480 V, 3-PH, 9.4 A
Output current	10-45 A
Rated output voltage	145 VDC
Duty cycle @ 104° F	50% @ 45 A, 200-240 V, 1-PH 60% @ 41 A, 200-240 V, 1-PH 100% @ 32 A, 200-240 V, 1-PH 50% @ 45 A, 480 V, 3-PH 60% @ 41 A, 480 V, 3-PH 100% @ 32 A, 480 V, 3-PH
Open circuit voltage (OCV)	275 VDC
Dimensions with handles	17.4" D; 6.8" W; 14.1" H
Weight with 20' torch	31 lbs.
Gas supply	Cutting: air (clean, dry and oil-free), nitrogen, F5 Gouging: air (clean, dry and oil-free), nitrogen, F5 Marking: air (clean, dry and oil-free), argon
Recommended gas inlet flow rate/pressure	400 scfh @ 90 psi
Input power cable length	10'
Power supply type	Inverter - IGBT
Engine drive requirement	10 kW for full 45 A output
Electrical efficiency	88%
Recyclability	100%
Certifications	CSA-certified for use in the Americas and Asia, except China
Warranty	Power supply: 3-year Torch: 1-year

Hand systems		
088124	Powermax45® XP system, 230 V 1-PH, CSA, plus CPC port, 75° and 15° handheld torch w/consumables, 20' leads	\$2,525.00
088113	Powermax45 XP system, 230 V 1-PH, CSA, plus CPC port, 75° handheld torch w/consumables, 20' lead	\$2,460.00
088115	Powermax45 XP system, 230 V 1-PH, CSA, plus CPC port, 75° handheld torch w/consumables, 50' lead	\$2,625.00
088112	Powermax45 XP system, 230 V 1-PH, CSA, 75° handheld torch w/consumables, 20' lead	\$2,340.00
088114	Powermax45 XP system, 230 V 1-PH, CSA, 75° handheld torch w/consumables, 50' lead	\$2,525.00
088125*	Powermax45 XP system, 230 V 1-PH, CSA, plus CPC port, 75° handheld torch w/consumables, 20' lead, English training kit	\$2,090.00
088127	Powermax45 XP system, 480 V 3-PH, CSA, plus CPC port, 75° handheld torch w/consumables, 20' lead	\$2,700.00
088129	Powermax45 XP system, 480 V 3-PH, CSA, plus CPC port, 75° handheld torch w/consumables, 50' lead	\$2,875.00
088126	Powermax45 XP system, 480 V 3-PH, CSA, 75° handheld torch w/consumables, 20' lead	\$2,600.00
088128	Powermax45 XP system, 480 V 3-PH, CSA, 75° handheld torch w/consumables, 50' lead	\$2,775.00

*for qualified institutions only – pre-approval required to order

– Red frame represents our most popular version of the Powermax45 XP.

Machine systems		
088123	Powermax45 XP system, 230 V 1-PH, CSA, plus CPC port, 75° and 180° torches w/consumables, 20" and 25" leads, remote	\$3,100.00
088116	Powermax45 XP system, 230 V 1-PH, CSA, plus CPC port, 180° machine torch w/consumables, 25' lead, remote	\$2,775.00
088117	Powermax45 XP system, 230 V 1-PH, CSA, plus CPC port, 180° machine torch w/consumables, 35' lead, remote	\$2,800.00
088118	Powermax45 XP system, 230 V 1-PH, CSA, plus CPC port, 180° machine torch w/consumables, 50' lead, remote	\$2,900.00
088121	Powermax45 XP system, 230 V 1-PH, CSA, plus CPC port, 180° machine torch w/consumables, 25' lead	\$2,575.00
088122	Powermax45 XP system, 230 V 1-PH, CSA, plus CPC port, 180° machine torch w/consumables, 50' lead	\$2,700.00
088119	Powermax45 XP system, 230 V 1-PH, CSA, plus CPC and serial ports, 180° machine torch w/consumables, 25' lead	\$3,075.00
088120	Powermax45 XP system, 230 V 1-PH, CSA, plus CPC and serial ports, 180° machine torch w/consumables, 50' lead	\$3,275.00

Powermax45 XP power supplies (power supplies only, no torches)		
088092	Powermax45 XP power supply, 200–240 V 1-PH, CSA	\$1,850.00
088104	Powermax45 XP power supply, 200–240 V 1-PH, CSA plus CPC port	\$1,970.00
088105	Powermax45 XP power supply, 200–240 V 1-PH, CSA, plus CPC and Serial ports	\$2,170.00
088095	Powermax45 XP power supply, 480 V 3-PH, CSA	\$2,100.00
088110	Powermax45 XP power supply, 480 V 3-PH, CSA, plus CPC port	\$2,210.00
088111	Powermax45 XP power supply, 480 V 3-PH, CSA, plus CPC and Serial ports	\$2,420.00
088173	Powermax45 XP power supply, 480 V 3-PH, CSA, no power cord	\$1,960.00

Duramax Lock torch assemblies		
Below are torches that were designed for use with the Powermax45 XP power supplies, however additional torch models are compatible. Refer to page 30 for more information.		
088164	Duramax® Lock handheld torch, 75°, 20' lead	\$402.00
088165	Duramax Lock handheld torch, 75°, 50' lead	\$530.00
088162	Duramax Lock handheld torch, 15°, 20' lead	\$402.00
088163	Duramax Lock handheld torch, 15°, 50' lead	\$530.00
088167	Duramax Lock machine torch, 180°, 25' lead	\$625.00
088168	Duramax Lock machine torch, 180°, 35' lead	\$665.00
088169	Duramax Lock machine torch, 180°, 50' lead	\$725.00

Powermax45 XP work leads		
223595	45 A work lead with hand clamp, 25'	\$66.50
223596	45 A work lead with hand clamp, 50'	\$108.00
223127	65 A work lead with hand clamp, 75'	\$151.00

Automated control accessories		
128650	Remote on/off switch for machine torch, 25'	\$195.00
128651	Remote on/off switch for machine torch, 50'	\$216.00
128652	Remote on/off switch for machine torch, 75'	\$243.00
428755	Remote on/off switch for machine torch, 150'	\$337.00
428653	Upgrade kit: CPC port with selectable voltage ratio	\$117.00
428654	Upgrade kit: Serial interface port (RS-485)	\$207.00
023206	Machine interface cable without voltage divider signal, spade connectors, 25'	\$83.00
023279	Machine interface cable without voltage divider signal, spade connectors, 50'	\$160.00
228350	Machine interface cable with voltage divider signal, spade connectors, 25'	\$103.00
228351	Machine interface cable with voltage divider signal, spade connectors, 50'	\$131.00
223048	Machine interface cable with voltage divider signal, D-sub connector, 25'	\$136.00
123896	Machine interface cable with voltage divider signal, D-sub connector, 50'	\$166.00
223236	Serial interface RS-485 to unterminated, 25'	\$114.00
223237	Serial interface RS-485 to unterminated, 50'	\$181.00
223239	Serial interface RS-485 to 9-pin D-sub connector, 25'	\$135.00
223240	Serial interface RS-485 to 9-pin D-sub connector, 50'	\$215.00

Torch consumables		
220842	Electrode, Duramax® and Duramax Lock, 10–105 A	\$10.10
220777	Electrode, 15–105 A, CopperPlus™	\$11.40
420408	Electrode, Duramax and Duramax Lock, 30–65 A, HyAccess™	\$25.75
420635	Electrode, Duramax and Duramax Lock, 30–45 A, FlushCut™	\$9.70
220941	Nozzle, Duramax and Duramax Lock, 45 A	\$7.50
220930	Nozzle, Duramax and Duramax Lock, 30–45 A, FineCut®	\$7.70
420419	Nozzle, Duramax Lock, 26–45 A, max control gouging	\$8.40
420415	Nozzle, Duramax Lock, 10–25 A, precision gouging and marking	\$8.40
420410	Nozzle, Duramax and Duramax Lock, 30–65 A, HyAccess cutting	\$37.50
420412	Nozzle, Duramax and Duramax Lock, 30–65 A, HyAccess gouging	\$37.50
420633	Nozzle shield, Duramax and Duramax Lock, 30–45 A, FlushCut	\$65.00
220857	Swirl ring, Duramax and Duramax Lock, 10–85 A	\$22.20
220947	Swirl ring, Duramax and Duramax Lock, 30–45 A, FineCut	\$22.20
420634	Swirl ring, Duramax and Duramax Lock, 30–45 A, FlushCut	\$25.00
420480	Shield, Duramax and Duramax Lock, 26–105 A, max control gouging	\$19.10
420414	Shield, Duramax Lock, 10–25 A, precision gouging	\$18.90
420542	Shield, Duramax Lock, 10–25 A, marking	\$18.70
220818	Shield, Duramax and Duramax Lock, 15–85 A, drag cutting	\$17.20
220817	Shield, Duramax and Duramax Lock, 15–85 A, mechanized cutting	\$19.30
220948	Shield, Duramax, mechanized ohmic, 30–45 A, FineCut	\$15.50
220931	Shield, Duramax and Duramax Lock, 30–45 A, FineCut	\$13.10
220955	Deflector, Duramax and Duramax Lock, 15–105 A, mechanized cutting	\$10.30
220854	Retaining cap, Duramax and Duramax Lock, 10–105 A	\$36.50
220953	Retaining cap, mechanized ohmic, Duramax and Duramax Lock, 15–105 A	\$47.50
420413	Retaining cap, Duramax and Duramax Lock, 30–65 A, HyAccess	\$46.25
420536	Retaining cap, Duramax and Duramax Lock, 30–105 A, FlushCut	\$75.00
420540	Retaining ring, Duramax and Duramax Lock, 30–105 A, FlushCut	\$12.00

Consumable kits and packs		
851510	Consumable kit, Powermax45® XP Essential handheld, 45 A, cutting	\$207.00
851511	Consumable kit, Powermax45 XP Essential mechanized, 45 A, cutting	\$237.00
851512	Consumable kit, Powermax45 XP Essential mechanized ohmic, 45 A, cutting	\$248.00
428414	Consumable kit, Duramax® and Duramax Lock, 30–65 A, HyAccess™ cutting and gouging	\$179.00
428746	Consumable kit, Duramax and Duramax Lock, 30–45 A, FlushCut™	\$185.00
428445	Starter pack, Duramax, HyAccess, 30–65 A, cutting, qty. 1 each 420413, 420410 and 420408	\$99.00
428446	Starter pack, Duramax, HyAccess, 30–65 A, gouging, qty. 1 each 420413, 420412 and 420408	\$99.00
228767	Bulk pack, electrode, Duramax, 10–105 A, contains 220842, qty. 25	\$239.00
228934	Bulk pack, electrode, CopperPlus, 10–105 A, contains 220777, qty. 25	\$271.00
228761	Bulk pack, nozzle, Duramax FineCut, 30–45 A, contains 220930, qty. 25	\$182.00
228765	Bulk pack, nozzle, Duramax, 45 A, contains 220941, qty. 25	\$178.00
228764	Bulk pack, shield, Duramax drag cutting, 15–85 A, contains 220818, qty. 10	\$163.00
228763	Bulk pack, shield, Duramax mechanized, 15–85 A, contains 220817, qty. 10	\$183.00
428559	Consumable starter kit Powermax45 XP handheld (for à la carte system ordering)	\$128.00
428560	Consumable starter kit Powermax45 XP, mechanized (for à la carte system ordering)	\$113.00
428561	Consumable starter kit Powermax45 XP, mechanized with ohmic retaining cap (for à la carte system ordering)	\$123.00

Optional system accessories		
127219	System storage dust cover, Powermax45/45 XP	\$59.00
017060	Rolling tool bag, 19.5" x 17.5" x 12.5"	\$85.00
128647	Eliminizer air filtration kit, 1-micron filter and auto-drain moisture separator	\$210.00
011092	Replacement filter element for eliminizer air filter	\$66.00
428719	Oil removal air filtration kit, 0.01-micron coalescing oil extracting filter	\$275.00
428718	Wall mounting bracket kit for eliminizer air filter or oil removal air filter	\$40.00
428720	Replacement filter element for oil removal air filter kit	\$70.00
024877	Leather torch lead cover with hook and loop closure, black, 25' section	\$115.00
127217	Shoulder strap 1.5" x 50"	\$25.50
128658	Gouging heat shield for T45v handheld torches	\$71.50
027668	Plasma circle cutting guide, deluxe kit with magnetic base	\$201.00
127102	Plasma circle cutting guide, basic	\$122.00
017041	Plasma angle cutting guide	\$127.00
017059	Plasma bevel guide	\$158.00
017042	Magnetic straight edge	\$110.00
017059	Bevel guide	\$158.00
017043	Magnetic block 2-pack	\$87.00
017044	Pocket level and measuring tape holder	\$26.50

Torch consumable stack-up

Nozzles and electrodes are available in various quantities. Contact your distributor for more information.



Consumable type	Torch type	Amperage	Shield/ Deflector	Retaining cap	Nozzle	Electrode	Swirl ring
Drag-cutting	Hand	45	220818	220854	220941	220842	220857
Mechanized	Machine	45	220817 or 220955 ¹	220854 or 220953 ²	220941	220842	220857
FineCut®	Hand	45	220931	220854 or 220953 ²	220930	220842	220947
	Machine		220955 or 220948 ²				
Max control gouging	Hand/Machine	26–45	420480	220854	420419	220842	220857
Precision gouging	Hand/Machine	10–25	420414	220854	420415	220842	220857
Marking	Hand/Machine	10–25	420542	220854 or 220953 ²	420415	220842	220857
FlushCut™	Hand/Machine	30–45	420540 ⁴	420536	420633 ³	420635	420634
HyAccess™ cutting	Hand	15–45	N/A	420413	420410	420408	220857
HyAccess™ gouging	Hand	15–45	N/A	420413	420412	420408	220857

¹ Deflector for unshielded cutting

² Ohmic retaining cap

³ Nozzle/shield assembly

⁴ Retaining ring

Powermax65®

Professional-grade plasma metal cutting and gouging system for handheld cutting 3/4" and mechanized piercing 5/8".

Maximum productivity

- Finish jobs faster with cut speeds one and a half times greater than oxyfuel on 1/2" mild steel.
- Spend less time on grinding and edge preparation due to superior cut and gouge quality.

Easy-to-use for cutting and gouging

- No need to change the air pressure. Smart Sense™ technology ensures that it is always correctly set.
- Drag cut at full output with a patented shield that reduces dross buildup for smoother cutting.
- Tackle different jobs with multiple, easy-to-use torch styles.

Low operating costs

- Reduce costs with long consumable life and more uptime.
- High power efficiency lowers energy consumption.

Built and tested to withstand the harshest conditions

- Duramax® torches are designed for high-impact and heat resistance.
- SpringStart™ technology ensures consistent starting and a more reliable torch.
- Low maintenance for maximum uptime.

Torches

- To see details on all torches compatible with this system, please refer to the torch applications chart on page 30.



Capacity	Thickness	Cut speed
Cutting		
Recommended	3/4"	20 ipm
	1"	10 ipm
Severance (hand cutting)	1-1/4"	5 ipm
Pierce*	5/8"	

* Pierce rating for handheld use or with automatic torch height control

Capacity	Metal removal rate	Groove profile*
Gouging		
Typical gouge	10.7 lbs. per hour	.14" D x 26" W

* Actual groove profile varies with torch angle, arc stretch and technique

Specifications

Input voltages	200-480 V, 1-PH, 50/60 Hz 200-600 V, 3-PH, 50/60 Hz
Kilowatt output	9 kW
Input current @ 9 kW	200/208/240/480 V, 1-PH 52/50/44/22 A 200/208/240/480/600 V, 3-PH 32/31/27/13/13 A
Output current	20-65 A
Rated output voltage	139 VDC
Duty cycle @ 104° F	50% @ 65 A, 230-600 V, 1/3-PH 40% @ 65 A, 200-208 V, 1/3-PH 100% @ 46 A, 230-600 V, 1/3-PH
Open circuit voltage (OCV)	295 VDC
Dimensions with handles	19.7" D; 9.2" W; 17.9" H
Weight with 25' torch	64 lbs.
Gas supply	Clean, dry, oil-free air or nitrogen
Recommended gas inlet flow rate/pressure	Cutting: 400 scfh, 6.7 scfm @ 85 psi Gouging: 450 scfh, 7.5 scfm @ 70 psi
Input power cable length	10'
Power supply type	Inverter - IGBT
Engine drive requirement	15 kW for full 65 A output
Certifications	CSA-certified for use in the Americas and Asia, except China
Warranty	Power supply: 3-year Torch: 1-year

Hand systems		
083307	Powermax65® system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° and 15° handheld torches w/consumables, 25' leads	\$3,725.00
083308	Powermax65 system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° and 15° handheld torches w/consumables, 50' leads	\$4,000.00
083275	Powermax65 system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° handheld torch w/consumables, 25' lead	\$3,525.00
083276	Powermax65 system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° handheld torch w/consumables, 50' lead	\$3,675.00
083270	Powermax65 system, 200–600 V 1/3-PH, CSA, plus 75° handheld torch w/consumables, 25' lead	\$3,400.00
083271	Powermax65 system, 200–600 V 1/3-PH, CSA, plus 75° handheld torch w/consumables, 50' lead	\$3,575.00
083273	Powermax65 system, 200–600 V 1/3-PH, CSA, plus 75° handheld torch w/consumables, 25' lead, filter w/guard	\$3,625.00
083288*	Powermax65 system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° torch w/consumables, 25' lead, English training kit	\$3,150.00
083290*	Powermax65 system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° torch w/consumables, 25' lead, French training kit	\$3,150.00

*for qualified institutions only – pre-approval required to order

Machine systems		
083300	Powermax65 system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° and 180° torches w/consumables, 25' lead, remote	\$3,950.00
083277	Powermax65 system, 200–600 V 1/3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 25' lead, remote	\$3,800.00
083278	Powermax65 system, 200–600 V 1/3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 50' lead, remote	\$4,075.00
083294	Powermax65 system, 200–600 V 1/3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 25' lead	\$3,625.00
083302	Powermax65 system, 200–600 V 1/3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 50' lead	\$3,700.00
083303	Powermax65 system, 200–600 V 1/3-PH, CSA, plus CPC and serial ports, 180° torch w/consumables, 25' lead w/ring	\$4,275.00
083305	Powermax65 system, 200–600 V 1/3-PH, CSA, plus CPC and serial ports, 180° torch w/consumables, 50' lead w/ring	\$4,500.00

Powermax65 power supplies		
083234	Powermax65 power supply, 200–600 V 1-PH, CSA	\$2,875.00
083266	Powermax65 power supply, 200–600 V 1-PH, CSA, plus CPC port	\$3,000.00
083267	Powermax65 power supply, 200–600 V 1-PH, CSA, plus CPC and serial ports	\$3,200.00

Duramax series torch assemblies		
Below are torches that were designed for use with the Powermax65 power supplies, however additional torch models are compatible. Refer to page 30 for more information.		
059473	Duramax® handheld torch, 75°, 25' lead	\$477.00
059474	Duramax handheld torch, 75°, 50' lead	\$600.00
059475	Duramax handheld torch, 75°, 75' lead	\$730.00
059470	Duramax handheld torch, 15°, 25' lead	\$477.00
059471	Duramax handheld torch, 15°, 50' lead	\$600.00
059472	Duramax handheld torch, 15°, 75' lead	\$730.00
059476	Duramax machine torch, 180°, 5' lead	\$640.00
059477	Duramax machine torch, 180°, 25' lead	\$660.00
059478	Duramax machine torch, 180°, 35' lead	\$720.00
059479	Duramax machine torch, 180°, 50' lead	\$815.00
059480	Duramax machine torch, 180°, 75' lead	\$935.00
059481	Duramax mini machine torch, 180°, 15' lead	\$600.00
059482	Duramax mini machine torch, 180°, 25' lead	\$620.00
059483	Duramax mini machine torch, 180°, 35' lead	\$670.00
059484	Duramax mini machine torch, 180°, 50' lead	\$770.00
059466	Duramax robotic torch, 180°, 25' lead	\$650.00
059587	Duramax robotic torch, 180°, 50' lead	\$770.00
059464	Duramax robotic torch, 45°, 25' lead	\$650.00
059585	Duramax robotic torch, 45°, 50' lead	\$770.00
059465	Duramax robotic torch, 90°, 25' lead	\$650.00
059586	Duramax robotic torch, 90°, 50' lead	\$770.00

Powermax65 work leads		
223125	65 A work lead with hand clamp, 25'	\$73.00
223126	65 A work lead with hand clamp, 50'	\$112.00
223127	65 A work lead with hand clamp, 75'	\$151.00
223194	65 A work lead with c-clamp, 25'	\$101.00
223195	65 A work lead with c-clamp, 50'	\$139.00
223196	65 A work lead with c-clamp, 75'	\$179.00
223200	65 A work lead with ring terminal, 25'	\$52.00
223201	65 A work lead with ring terminal, 50'	\$91.00
223202	65 A work lead with ring terminal, 75'	\$128.00

Automated control accessories		
128650	Remote on/off switch for machine torch, 25'	\$195.00
128651	Remote on/off switch for machine torch, 50'	\$216.00
128652	Remote on/off switch for machine torch, 75'	\$243.00
428755	Remote on/off switch for machine torch, 150'	\$337.00
228697	Upgrade kit: CPC port with selectable voltage ratio	\$126.00
228539	Upgrade kit: Serial interface port (RS-485)	\$214.00
023206	Machine interface cable without voltage divider signal, spade connectors, 25'	\$83.00
023279	Machine interface cable without voltage divider signal, spade connectors, 50'	\$160.00
228350	Machine interface cable with voltage divider signal, spade connectors, 25'	\$103.00
228351	Machine interface cable with voltage divider signal, spade connectors, 50'	\$131.00
223048	Machine interface cable with voltage divider signal, D-sub connector, 25'	\$136.00
123896	Machine interface cable with voltage divider signal, D-sub connector, 50'	\$166.00
223236	Serial interface RS-485 to unterminated, 25'	\$114.00
223237	Serial interface RS-485 to unterminated, 50'	\$181.00
223239	Serial interface RS-485 to 9-pin D-sub connector, 25'	\$135.00
223240	Serial interface RS-485 to 9-pin D-sub connector, 50'	\$215.00
228806	Clamp assembly for Duramax® robotic torches	\$228.00
229456	Robotic torch teach tip assembly for Duramax robotic torches	\$131.00

Torch consumables		
220842	Electrode, Duramax and Duramax Lock, 10–105 A	\$10.10
220777	Electrode, 15–105 A, CopperPlus™	\$11.40
420408	Electrode, Duramax and Duramax Lock, 30–65 A, HyAccess™	\$25.75
420635	Electrode, Duramax and Duramax Lock, 30–45 A, FlushCut™	\$9.70
220941	Nozzle, Duramax and Duramax Lock, 45 A	\$7.50
220819	Nozzle, Duramax, 65 A, cutting	\$7.70
220930	Nozzle, Duramax and Duramax Lock, 30–45 A, FineCut®	\$7.70
220797	Nozzle, Duramax, 45–85 A, gouging	\$10.30
420410	Nozzle, Duramax and Duramax Lock, 30–65 A, HyAccess cutting	\$37.50
420412	Nozzle, Duramax and Duramax Lock, 30–65 A, HyAccess gouging	\$37.50
420633	Nozzle shield, Duramax and Duramax Lock, 30–45 A, FlushCut	\$65.00
220857	Swirl ring, Duramax and Duramax Lock, 10–85 A	\$22.20
220947	Swirl ring, Duramax and Duramax Lock, 30–45 A, FineCut	\$22.20
420634	Swirl ring, Duramax and Duramax Lock, 30–45 A, FlushCut	\$25.00
220798	Shield, Duramax, 45–105 A, max removal gouging	\$19.30
420480	Shield, Duramax and Duramax Lock, 26–105 A, max control gouging	\$19.10
220818	Shield, Duramax and Duramax Lock, 15–85 A, drag cutting	\$17.20
220817	Shield, Duramax and Duramax Lock, 15–85 A, mechanized cutting	\$19.30
220948	Shield, Duramax, mechanized ohmic, 30–45 A, FineCut	\$15.50
220955	Deflector, Duramax and Duramax Lock, 15–105 A, mechanized cutting	\$10.30
220931	Shield, Duramax and Duramax Lock, 30–45 A, FineCut	\$13.10
220854	Retaining cap, Duramax and Duramax Lock, 10–105 A	\$36.50
220953	Retaining cap, mechanized ohmic, Duramax and Duramax Lock, 15–105 A	\$47.50
420413	Retaining cap, Duramax and Duramax Lock, 30–65 A, HyAccess	\$46.25
420536	Retaining cap, Duramax and Duramax Lock, 30–105 A, FlushCut	\$75.00
420540	Retaining ring, Duramax and Duramax Lock, 30–105 A, FlushCut	\$12.00

Consumable kits and packs		
851465	Consumable kit, Powermax65® Essential handheld, 65 A, cutting	\$222.00
851466	Consumable kit, Powermax65 Essential mechanized, 65 A, cutting	\$252.00
851467	Consumable kit, Powermax65 Essential mechanized ohmic, 65 A, cutting	\$263.00
428414	Consumable kit, Duramax® and Duramax Lock, 30–65 A, HyAccess™ cutting and gouging	\$179.00
428746	Consumable kit, Duramax and Duramax Lock, 30–45 A, FlushCut™	\$185.00
428445	Starter pack, Duramax, HyAccess, 30–65 A, cutting, qty. 1 each 420413, 420410 and 420408	\$99.00
428446	Starter pack, Duramax, HyAccess, 30–65 A, gouging, qty. 1 each 420413, 420412 and 420408	\$99.00
228767	Bulk pack, electrode, Duramax, 10–105 A, contains 220842, qty. 25	\$239.00
228934	Bulk pack, electrode, CopperPlus, 10–105 A, contains 220777, qty. 25	\$271.00
228765	Bulk pack, nozzle, Duramax, 45 A, contains 220941, qty. 25	\$178.00
228759	Bulk pack, nozzle, Duramax, 65 A, contains 220819, qty. 25	\$182.00
228761	Bulk pack, nozzle, Duramax FineCut, 30–45 A, contains 220930, qty. 25	\$182.00
228762	Bulk pack, nozzle, Duramax gouging, 45–85 A, contains 220797, qty. 25	\$244.00
228764	Bulk pack, shield, Duramax drag cutting, 15–85 A, contains 220818, qty. 10	\$163.00
228763	Bulk pack, shield, Duramax mechanized, 15–85 A, contains 220817, qty. 10	\$183.00
228963	Consumable starter kit Powermax65 handheld (for à la carte system ordering)	\$162.00
228964	Consumable starter kit Powermax65, mechanized (for à la carte system ordering)	\$146.00
228965	Consumable starter kit Powermax65, mechanized with ohmic retaining cap (for à la carte system ordering)	\$162.00

Optional system accessories		
229370	Powermax65/85 wheel kit	\$270.00
229569	Powermax65/85 gantry mounting kit for cutting tables	\$449.00
127301	System storage dust cover, Powermax65/85	\$60.00
128647	Eliminizer air filtration kit, 1-micron filter and auto-drain moisture separator	\$210.00
228570	Eliminizer air filtration kit with steel guard for Powermax65/85	\$241.00
228624	Powermax65/85 steel guard for eliminizer air filtration kit	\$41.00
011092	Replacement filter element for eliminizer air filter	\$66.00
428719	Oil removal air filtration kit, 0.01-micron coalescing oil extracting filter	\$275.00
428718	Wall mounting bracket kit for eliminizer air filter or oil removal air filter	\$40.00
428720	Replacement filter element for oil removal air filter kit	\$70.00
127363	Torch carry bag, 23" x 11" x 11"	\$33.00
024877	Leather torch lead cover with hook and loop closure, black, 25' section	\$115.00
027668	Plasma circle cutting guide, deluxe kit with magnetic base	\$201.00
127102	Plasma circle cutting guide, basic	\$122.00
017041	Plasma angle cutting guide	\$127.00
017042	Magnetic straight edge	\$110.00
017059	Bevel guide	\$158.00
017043	Magnetic block 2-pack	\$87.00
017044	Pocket level and measuring tape holder	\$26.50
428347	Gouging heat shield for Duramax series 75° hand torches, including Duramax retrofit torches.	\$92.00

Torch consumable stack-up

Nozzles and electrodes are available in various quantities. Contact your distributor for more information.

Consumable type	Torch type	Amperage	Shield/ Deflector	Retaining cap	Nozzle	Electrode	Swirl ring
Drag-cutting	Hand	45	220818	220854	220941	220842	220857
		65			220819		
Mechanized	Machine	45	220817 or 220955 ¹	220854 or 220953 ²	220941	220842	220857
		65			220819		
FineCut®	Hand	45	220931	220854 or 220953 ²	220930	220842	220947
	Machine		220948				
FlushCut	Hand/Machine	30–45 ³	420540 ⁴	420536	420633	420635	420634
Max control gouging	Hand/Machine	20–65	420480	220854	220797	220842	220857
Max removal gouging	Hand/Machine	20–65	220798	220854	220797	220842	220857

¹ Deflector for unshielded cutting

² Ohmic retaining cap

³ Using the 45 amp FlushCut consumables on the Powermax65 above 45 amps will cause premature consumable damage

⁴ Retaining ring

Powermax85®

Professional-grade plasma metal cutting and gouging system for handheld cutting 1" and mechanized piercing 3/4".

Maximum productivity

- Finish jobs faster with cut speeds two and a half times greater than oxyfuel on 1/2" mild steel.
- Spend less time on grinding and edge preparation due to superior cut and gouge quality.

Easy-to-use for cutting and gouging

- No need to change the air pressure. Smart Sense™ technology ensures that it is always correctly set.
- Drag cut at full output with a patented shield that reduces dross buildup for smoother cutting.
- Tackle different jobs with multiple, easy-to-use torch styles.

Low operating costs

- Reduce costs with long consumable life and more uptime.
- High power efficiency lowers energy consumption.

Built and tested to withstand the harshest conditions

- Duramax® torches are designed for high-impact and heat resistance.
- SpringStart™ technology ensures consistent starting and a more reliable torch.
- Low maintenance for maximum uptime.

Torches

- To see details on all torches compatible with this system, please refer to the torch applications chart on page 30.



Capacity	Thickness	Cut speed
Cutting		
Recommended	1"	20 ipm
	1-1/4"	10 ipm
Severance (hand cutting)	1-1/2"	5 ipm
Pierce*	3/4"	

* Pierce rating for handheld use or with automatic torch height control

Capacity	Metal removal rate	Groove profile*
Gouging		
Typical gouge	19.5 lbs. per hour	.23" D x .28" W

* Actual groove profile varies with torch angle, arc stretch and technique

Specifications

Input voltages	200-480 V, 1-PH, 50/60 Hz 200-600 V, 3-PH, 50/60 Hz
Kilowatt output J4	12.2 kW
Input current @ 12.2 kW	200/208/240/480 V, 1-PH 70/68/58/29 A 200/208/240/480/600 V, 3-PH 42/40/35/18/17 A
Output current	25-85 A
Rated output voltage	143 VDC
Duty cycle @ 104° F	60% @ 85 A, 230-600 V, 3-PH 60% @ 85 A, 480 V, 1-PH 50% @ 85 A 240 V, 1-PH 50% @ 85 A, 200-208 V, 3-PH 40% @ 85 A, 200-208 V, 1-PH 100% @ 66 A, 230-600 V, 1/3-PH
Open circuit voltage (OCV)	305 VDC
Dimensions with handles	19.7" D; 9.2" W; 17.9" H
Weight with 25' torch	71 lbs.
Gas supply	Clean, dry, oil-free air or nitrogen
Recommended gas inlet flow rate/pressure	Cutting: 400 scfh, 6.7 scfm @ 85 psi Gouging: 450 scfh, 7.5 scfm @ 70 psi
Input power cable length	10'
Power supply type	Inverter - IGBT
Engine drive requirement	20 kW for full 85 A output
Certifications	CSA-certified for use in the Americas and Asia, except China.
Warranty	Power supply: 3-year Torch: 1-year

Hand systems		
087144	Powermax85® system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° and 15° handheld torches w/consumables, 25' leads	\$4,850.00
087145	Powermax85 system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° and 15° handheld torches w/consumables, 50' leads	\$5,150.00
087113	Powermax85 system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° handheld torch w/consumables, 25' lead	\$4,575.00
087114	Powermax85 system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° handheld torch w/consumables, 50' lead	\$4,775.00
087108	Powermax85 system, 200–600 V 1/3-PH, CSA, plus 75° handheld torch w/consumables, 25' lead	\$4,500.00
087109	Powermax85 system, 200–600 V 1/3-PH, CSA, plus 75° handheld torch w/consumables, 50' lead	\$4,650.00
087111	Powermax85 system, 200–600 V 1/3-PH, CSA, plus 75° handheld torch w/consumables, 25' lead, filter w/guard	\$4,750.00
087126*	Powermax85 system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° torch w/consumables, 25' lead, English training kit	\$4,075.00
087128*	Powermax85 system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° torch w/consumables, 25' lead and French training kit	\$4,075.00

*for qualified institutions only – pre-approval required to order

Machine systems		
087135	Powermax85 system, 200–600 V 1/3-PH, CSA, plus CPC port, 75° and 180° torches w/consumables, 25' lead, remote	\$4,950.00
087115	Powermax85 system, 200–600 V 1/3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 25' lead, remote	\$4,850.00
087116	Powermax85 system, 200–600 V 1/3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 50' lead, remote	\$5,050.00
087132	Powermax85 system, 200–600 V 1/3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 25' lead	\$4,625.00
087137	Powermax85 system, 200–600 V 1/3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 50' lead	\$4,725.00
087138	Powermax85 system, 200–600 V 1/3-PH, CSA, plus CPC and Serial ports, 180° torch w/consumables, 25' lead w/ring	\$5,300.00
087140	Powermax85 system, 200–600 V 1/3-PH, CSA, plus CPC and Serial ports, 180° torch w/consumables, 50' lead w/ring	\$5,600.00

Powermax85 power supplies (power supplies only, no torches)		
087067	Powermax85 power supply, 200–600 V 1/3-PH, CSA	\$3,875.00
087104	Powermax85 power supply, 200–600 V 1/3-PH, CSA, plus CPC port	\$4,025.00
087105	Powermax85 power supply, 200–600 V 1/3-PH, CSA, plus CPC and serial ports	\$4,200.00

Duramax series torch assemblies		
Below are torches that were designed for use with the Powermax85 power supplies, however additional torch models are compatible. Refer to page 30 for more information.		
059473	Duramax® handheld torch, 75°, 25' lead	\$477.00
059474	Duramax handheld torch, 75°, 50' lead	\$600.00
059475	Duramax handheld torch, 75°, 75' lead	\$730.00
059470	Duramax handheld torch, 15°, 25' lead	\$477.00
059471	Duramax handheld torch, 15°, 50' lead	\$600.00
059472	Duramax handheld torch, 15°, 75' lead	\$730.00
059476	Duramax machine torch, 180°, 15' lead	\$640.00
059477	Duramax machine torch, 180°, 25' lead	\$660.00
059478	Duramax machine torch, 180°, 35' lead	\$720.00
059479	Duramax machine torch, 180°, 50' lead	\$815.00
059480	Duramax machine torch, 180°, 75' lead	\$935.00
059481	Duramax mini machine torch, 180°, 15' lead	\$600.00
059482	Duramax mini machine torch, 180°, 25' lead	\$620.00
059483	Duramax mini machine torch, 180°, 35' lead	\$670.00
059484	Duramax mini machine torch, 180°, 50' lead	\$770.00
059466	Duramax robotic torch, 180°, 25' lead	\$650.00
059587	Duramax robotic torch, 180°, 50' lead	\$770.00
059464	Duramax robotic torch, 45°, 25' lead	\$650.00
059585	Duramax robotic torch, 45°, 50' lead	\$770.00
059465	Duramax robotic torch, 90°, 25' lead	\$650.00
059586	Duramax robotic torch, 90°, 50' lead	\$770.00

Powermax85 work leads		
223035	85 A work lead with hand clamp, 25'	\$100.00
223034	85 A work lead with hand clamp, 50'	\$166.00
223033	85 A work lead with hand clamp, 75'	\$231.00
223203	85 A work lead with c-clamp, 25'	\$124.00
223204	85 A work lead with c-clamp, 50'	\$194.00
223205	85 A work lead with c-clamp, 75'	\$261.00
223209	85 A work lead with ring terminal, 25'	\$78.00
223210	85 A work lead with ring terminal, 50'	\$144.00
223211	85 A work lead with ring terminal, 75'	\$211.00

Automated control accessories		
128650	Remote on/off switch for machine torch, 25'	\$195.00
128651	Remote on/off switch for machine torch, 50'	\$216.00
128652	Remote on/off switch for machine torch, 75'	\$243.00
428755	Remote on/off switch for machine torch, 150'	\$337.00
228697	Upgrade kit: CPC port with selectable voltage ratio	\$126.00
228539	Upgrade kit: Serial interface port (RS-485)	\$214.00
023206	Machine interface cable without voltage divider signal, spade connectors, 25'	\$83.00
023279	Machine interface cable without voltage divider signal, spade connectors, 50'	\$160.00
228350	Machine interface cable with voltage divider signal, spade connectors, 25'	\$103.00
228351	Machine interface cable with voltage divider signal, spade connectors, 50'	\$131.00
123896	Machine interface cable with voltage divider signal, D-sub connector, 50'	\$166.00
223236	Serial interface RS-485 to unterminated, 25'	\$114.00
223237	Serial interface RS-485 to unterminated, 50'	\$181.00
223239	Serial interface RS-485 to 9-pin D-sub connector, 25'	\$135.00
223240	Serial interface RS-485 to 9-pin D-sub connector, 50'	\$215.00
228806	Clamp assembly for Duramax® robotic torches	\$228.00
229456	Robotic torch teach tip assembly for Duramax robotic torches	\$131.00

Torch consumables		
220842	Electrode, Duramax and Duramax Lock, 10-105 A	\$10.10
220777	Electrode, 15-105 A, CopperPlus™	\$11.40
420408	Electrode, Duramax and Duramax Lock, 30-65 A, HyAccess™	\$25.75
420635	Electrode, Duramax and Duramax Lock, 30-45 A, FlushCut™	\$9.70
220941	Nozzle, Duramax and Duramax Lock, 45 A	\$7.50
220819	Nozzle, Duramax, 65 A, cutting	\$7.70
220816	Nozzle, Duramax, 85 A, cutting	\$7.70
220930	Nozzle, Duramax and Duramax Lock, 30-45 A, FineCut®	\$7.70
220797	Nozzle, Duramax, 45-85 A, gouging	\$10.30
420410	Nozzle, Duramax and Duramax Lock, 30-65 A, HyAccess cutting	\$37.50
420412	Nozzle, Duramax and Duramax Lock, 30-65 A, HyAccess gouging	\$37.50
420633	Nozzle shield, Duramax and Duramax Lock, 30-45 A, FlushCut	\$65.00
220857	Swirl ring, Duramax and Duramax Lock, 10-85 A	\$22.20
220947	Swirl ring, Duramax and Duramax Lock, 30-45 A, FineCut	\$22.20
420634	Swirl ring, Duramax and Duramax Lock, 30-45 A, FlushCut	\$25.00
220798	Shield, Duramax, 45-105 A, max removal gouging	\$19.30
420480	Shield, Duramax and Duramax Lock, 26-105 A, max control gouging	\$19.10
220818	Shield, Duramax and Duramax Lock, 15-85 A, drag cutting	\$17.20
220817	Shield, Duramax and Duramax Lock, 15-85 A, mechanized cutting	\$19.30
220948	Shield, Duramax, mechanized ohmic, 30-45 A, FineCut	\$15.50
220955	Deflector, Duramax and Duramax Lock, 15-105 A, mechanized cutting	\$10.30
220931	Shield, Duramax and Duramax Lock, 30-45 A, FineCut	\$13.10
220854	Retaining cap, Duramax and Duramax Lock, 10-105 A	\$36.50
220953	Retaining cap, mechanized ohmic, Duramax and Duramax Lock, 15-105 A	\$47.50
420413	Retaining cap, Duramax and Duramax Lock, 30-65 A, HyAccess	\$46.25
420536	Retaining cap, Duramax and Duramax Lock, 30-105 A, FlushCut	\$75.00
420540	Retaining ring, Duramax and Duramax Lock, 30-105 A, FlushCut	\$12.00

Consumable kits and packs		
851468	Consumable kit, Powermax85® Essential handheld, 85 A, cutting	\$222.00
851469	Consumable kit, Powermax85 Essential mechanized, 85 A, cutting	\$252.00
851470	Consumable kit, Powermax85 Essential mechanized ohmic, 85 A, cutting	\$263.00
428414	Consumable kit, Duramax® and Duramax Lock, 30–65 A, HyAccess™ cutting and gouging	\$179.00
428746	Consumable kit, Duramax and Duramax Lock, 30–45 A, FlushCut™	\$185.00
428445	Starter pack, Duramax, HyAccess, 30–65 A, cutting, qty. 1 each 420413, 420410 and 420408	\$99.00
428446	Starter pack, Duramax, HyAccess, 30–65 A, gouging, qty. 1 each 420413, 420412 and 420408	\$99.00
228767	Bulk pack, electrode, Duramax, 10–105 A, contains 220842, qty. 25	\$239.00
228934	Bulk pack, electrode, CopperPlus, 10–105 A, contains 220777, qty. 25	\$271.00
228765	Bulk pack, nozzle, Duramax, 45 A, contains 220941, qty. 25	\$178.00
228759	Bulk pack, nozzle, Duramax, 65 A, contains 220819, qty. 25	\$182.00
228760	Bulk pack, nozzle, Duramax, 85 A, contains 220816, qty. 25	\$182.00
228761	Bulk pack, nozzle, Duramax FineCut, 30–45 A, contains 220930, qty. 25	\$182.00
228762	Bulk pack, nozzle, Duramax gouging, 45–85 A, contains 220797, qty. 25	\$244.00
228764	Bulk pack, shield, Duramax drag cutting, 15–85 A, contains 220818, qty. 10	\$163.00
228763	Bulk pack, shield, Duramax mechanized, 15–85 A, contains 220817, qty. 10	\$183.00
228966	Consumable starter kit Powermax85 handheld (for à la carte system ordering)	\$162.00
228967	Consumable starter kit Powermax85, mechanized (for à la carte system ordering)	\$146.00
228968	Consumable starter kit Powermax85, mechanized with ohmic retaining cap (for à la carte system ordering)	\$162.00

Optional system accessories		
229370	Powermax65/85 wheel kit	\$270.00
229569	Powermax65/85 gantry mounting kit for cutting tables	\$449.00
127301	System storage dust cover, Powermax65/85	\$60.00
128647	Eliminizer air filtration kit, 1-micron filter and auto-drain moisture separator	\$210.00
228570	Eliminizer air filtration kit with steel guard for Powermax65/85	\$241.00
228624	Powermax65/85 steel guard for eliminizer air filtration kit	\$41.00
011092	Replacement filter element for eliminizer air filter	\$66.00
428719	Oil removal air filtration kit, 0.01-micron coalescing oil extracting filter	\$275.00
428718	Wall mounting bracket kit for eliminizer air filter or oil removal air filter	\$40.00
428720	Replacement filter element for oil removal air filter kit	\$70.00
127363	Torch carry bag, 23" x 11" x 11"	\$33.00
024877	Leather torch lead cover with hook and loop closure, black, 25' section	\$115.00
027668	Plasma circle cutting guide, deluxe kit with magnetic base	\$201.00
127102	Plasma circle cutting guide, basic	\$122.00
017041	Plasma angle cutting guide	\$127.00
017042	Magnetic straight edge	\$110.00
017059	Bevel guide	\$158.00
017043	Magnetic block 2-pack	\$87.00
017044	Pocket level and measuring tape holder	\$26.50
428347	Gouging heat shield for Duramax series 75° hand torches, including Duramax retrofit torches.	\$92.00

Torch consumable stack-up

Consumable type	Torch type	Amperage	Shield/ Deflector	Retaining cap	Nozzle	Electrode	Swirl ring
Drag-cutting	Hand	45	220818	220854	220941	220842	220857
		65			220819		
		85			220816		
Mechanized	Machine	45	220817 or 220955 ¹	220854 or 220953 ²	220941	220842	220857
		65			220819		
		85			220816		
FineCut®	Hand	45	220931	220854 or 220953 ³	220930	220842	220947
	Machine		220948				
FlushCut	Hand/machine	30–45 ³	420540 ⁴	420536	420633	420635	420634
Max control gouging	Hand/machine	25–85	420480	220854	220797	220842	220857
Max removal gouging	Hand/machine	25–85	220798	220854	220797	220842	220857

¹ Deflector for unshielded cutting

² Ohmic retaining cap

³ Using the 45 amp FlushCut consumables on the Powermax85 above 45 amps will cause premature consumable damage

⁴ Retaining ring

Powermax105®

Professional-grade plasma metal cutting and gouging system for handheld cutting 1-1/4" and mechanized piercing 7/8".

Maximum productivity

- Finish jobs faster with cut speeds three times greater than oxyfuel on 1/2" mild steel.
- Spend less time on grinding and edge preparation due to superior cut and gouge quality.

Low operating costs

- Reduce costs with long consumable life and more uptime.
- Electrode end-of-life detection protects the torch and workpiece from damage by automatically stopping power when the electrode is overused.

Easy-to-use for cutting and gouging

- No need to change the air pressure. Smart Sense™ technology ensures that it is always correctly set.
- Drag cut at full output with a patented shield that reduces dross buildup for smoother cutting.
- Tackle different jobs with multiple, easy-to-use torch styles.

Built and tested to withstand the harshest conditions

- Duramax® torches are designed for high-impact and heat resistance.
- SpringStart™ technology ensures consistent starting and a more reliable torch.
- Low maintenance for maximum uptime.

Torches

- To see details on all torches compatible with this system, please refer to the torch applications chart on page 30.



Capacity	Thickness	Cut speed
	Cutting	
Recommended	1-1/4"	20 ipm
	1-1/2"	10 ipm
Severance (hand cutting)	2"	5 ipm
Pierce*	7/8"	

* Pierce rating for handheld use or with automatic torch height control

Capacity	Metal removal rate	Groove profile*
	Gouging	
Typical gouge	21.7 lbs. per hour	.25" D x .29" W

* Actual groove profile varies with torch angle, arc stretch and technique

Specifications

Input voltages	200-600 V, 3-PH, 50/60 Hz
Kilowatt output	16.8 kW
Input current @ 16.8 kW	200/208/240/480/600 V, 3-PH 58/56/49/25/22 A
Output current	30-105 A
Rated output voltage	160 VDC
Duty cycle @ 104° F	70% @ 105 A, 240 V, 3-PH 80% @ 105 A, 480-600 V, 3-PH 100% @ 94 A, 480-600 V, 3-PH 100% @ 88 A, 240 V, 3-PH
Open circuit voltage (OCV)	300 VDC
Dimensions with handles	23.3" D; 10.8" W; 20.0" H
Weight with 25' torch	100 lbs.
Gas supply	Clean, dry, oil-free air or nitrogen
Recommended gas inlet flow rate/pressure	Cutting: 460 scfh, 6.7 scfm @ 85 psi Gouging: 480 scfh, 8.0 scfm @ 70 psi
Input power cable length	10'
Power supply type	Inverter - IGBT
Engine drive requirement	30 kW for full 105 A output
Certifications	CSA-certified for use in the Americas and Asia, except China
Warranty	Power supply: 3-year Torch: 1-year

Hand systems		
059382	Powermax105® system, 200–600 V 3-PH, CSA, plus CPC port, 75° and 15° handheld torches w/consumables, 25' leads	\$6,350.00
059383	Powermax105 system, 200–600 V 3-PH, CSA, plus CPC port, 75° and 15° handheld torches w/consumables, 50' leads	\$6,750.00
059376	Powermax105 system, 200–600 V 3-PH, CSA, plus CPC port, 75° handheld torch w/consumables, 25' lead	\$6,100.00
059377	Powermax105 system, 200–600 V 3-PH, CSA, plus CPC port, 75° handheld torch w/consumables, 50' lead	\$6,350.00
059374	Powermax105 system, 200–600 V 3-PH, CSA, plus 75° handheld torch w/consumables, 25' lead	\$6,000.00
059375	Powermax105 system, 200–600 V 3-PH, CSA, plus 75° handheld torch w/consumables, 50' lead	\$6,250.00
059385*	Powermax105 system, 200–600 V 3-PH, CSA, plus CPC port, 75° torch w/consumables, 25' lead, English training kit	\$5,500.00
059485*	Powermax105 system, 200–600 V 3-PH, CSA, plus CPC port, 75° torch w/consumables, 25' lead and French training kit	\$5,500.00

*for qualified institutions only – pre-approval required to order

Machine systems		
059384	Powermax105 system, 200–600 V 3-PH, CSA, plus CPC port, 75° and 180° torches w/consumables, 25' lead	\$6,850.00
059378	Powermax105 system, 200–600 V 3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 25' lead, remote	\$6,550.00
059379	Powermax105 system, 200–600 V 3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 50' lead, remote	\$6,750.00
059380	Powermax105 system, 200–600 V 3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 25' lead	\$6,350.00
059381	Powermax105 system, 200–600 V 3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 50' lead	\$6,550.00
059386	Powermax105 system, 200–600 V 3-PH, CSA, plus CPC and serial ports, 180° torch w/consumables, 25' lead w/ring	\$6,800.00
059387	Powermax105 system, 200–600 V 3-PH, CSA, plus CPC and serial ports, 180° torch w/consumables, 50' lead w/ring	\$7,100.00

Powermax105 power supplies (power supplies only, no torches)		
059370	Powermax105 power supply, 200–600 V 3-PH, CSA	\$5,350.00
059371	Powermax105 power supply, 200–600 V 3-PH, CSA, plus CPC port	\$5,400.00
059372	Powermax105 power supply, 200–600 V 3-PH, CSA, plus CPC and serial ports	\$5,600.00

Duramax series torch assemblies		
Below are torches that were designed for use with the Powermax105 power supplies, however additional torch models are compatible. Refer to page 30 for more information.		
059473	Duramax® handheld torch, 75°, 25' lead	\$477.00
059474	Duramax handheld torch, 75°, 50' lead	\$600.00
059475	Duramax handheld torch, 75°, 75' lead	\$730.00
059470	Duramax handheld torch, 15°, 25' lead	\$477.00
059471	Duramax handheld torch, 15°, 50' lead	\$600.00
059472	Duramax handheld torch, 15°, 75' lead	\$730.00
059476	Duramax machine torch, 180°, 15' lead	\$640.00
059477	Duramax machine torch, 180°, 25' lead	\$660.00
059478	Duramax machine torch, 180°, 35' lead	\$720.00
059479	Duramax machine torch, 180°, 50' lead	\$815.00
059480	Duramax machine torch, 180°, 75' lead	\$935.00
059481	Duramax mini machine torch, 180°, 15' lead	\$600.00
059482	Duramax mini machine torch, 180°, 25' lead	\$620.00
059483	Duramax mini machine torch, 180°, 35' lead	\$670.00
059484	Duramax mini machine torch, 180°, 50' lead	\$770.00
059466	Duramax robotic torch, 180°, 25' lead	\$650.00
059587	Duramax robotic torch, 180°, 50' lead	\$770.00
059464	Duramax robotic torch, 45°, 25' lead	\$650.00
059585	Duramax robotic torch, 45°, 50' lead	\$770.00
059465	Duramax robotic torch, 90°, 25' lead	\$650.00
059586	Duramax robotic torch, 90°, 50' lead	\$770.00

Powermax105 work leads		
223254	Kit: 105 A work lead with hand clamp, 25'	\$153.00
223255	Kit: 105 A work lead with hand clamp, 50'	\$271.00
223256	Kit: 105 A work lead with hand clamp, 75'	\$389.00
223287	Kit: 105 A work lead with C-style clamp, 25'	\$198.00
223288	Kit: 105 A work lead with C-style clamp, 50'	\$349.00
223289	Kit: 105 A work lead with C-style clamp, 75'	\$468.00
223284	Kit: 105 A work lead with ring terminal, 25'	\$130.00
223285	Kit: 105 A work lead with ring terminal, 50'	\$248.00
223286	Kit: 105 A work lead with ring terminal, 75'	\$367.00

Automated control accessories		
128650	Remote on/off switch for machine torch, 25'	\$195.00
128651	Remote on/off switch for machine torch, 50'	\$216.00
128652	Remote on/off switch for machine torch, 75'	\$243.00
428755	Remote on/off switch for machine torch, 150'	\$337.00
228884	Upgrade kit: Powermax105® CPC port with selectable voltage ratio	\$122.00
228539	Upgrade kit: Serial interface port (RS-485)	\$214.00
023206	Machine interface cable without voltage divider signal, spade connectors, 25'	\$83.00
023279	Machine interface cable without voltage divider signal, spade connectors, 50'	\$160.00
228350	Machine interface cable with voltage divider signal, spade connectors, 25'	\$103.00
228351	Machine interface cable with voltage divider signal, spade connectors, 50'	\$131.00
223048	Machine interface cable with voltage divider signal, D-sub connector, 25'	\$136.00
123896	Machine interface cable with voltage divider signal, D-sub connector, 50'	\$166.00
223236	Serial Interface RS-485 Cable to Unterminated, 25'	\$114.00
223237	Serial Interface RS-485 Cable to Unterminated, 50'	\$181.00
223239	Serial Interface RS-485 Cable to 9-pin D-sub Connector 25'	\$135.00
223240	Serial Interface RS-485 Cable to 9-pin D-sub Connector 50'	\$215.00
228806	Clamp assembly for Duramax® robotic torches	\$228.00
229456	Robotic torch teach tip assembly for Duramax robotic torches	\$131.00

Torch consumables		
220842	Electrode, Duramax and Duramax Lock, 10-105 A	\$10.10
220777	Electrode, 15-105 A, CopperPlus™	\$11.40
420408	Electrode, Duramax and Duramax Lock, 30-65 A, HyAccess™	\$25.75
220941	Nozzle, Duramax and Duramax Lock, 45 A	\$7.50
220819	Nozzle, Duramax, 65 A, cutting	\$7.70
220816	Nozzle, Duramax, 85 A, cutting	\$7.70
220990	Nozzle, Duramax, 105 A, cutting	\$7.70
220930	Nozzle, Duramax and Duramax Lock, 30-45 A, FineCut®	\$7.70
220797	Nozzle, Duramax, 45-85 A, gouging	\$10.30
220991	Nozzle, Duramax, 105 A, gouging	\$10.50
420410	Nozzle, Duramax and Duramax Lock, 30-65 A, HyAccess cutting	\$37.50
420412	Nozzle, Duramax and Duramax Lock, 30-65 A, HyAccess gouging	\$37.50
420533	Nozzle shield, Duramax, 105 A FlushCut	\$65.00
220857	Swirl ring, Duramax and Duramax Lock, 10-85 A	\$22.20
220994	Swirl ring, Duramax, 30-105 A	\$23.10
220947	Swirl ring, Duramax and Duramax Lock, 30-45 A, FineCut	\$22.20
420539	Swirl ring, Duramax, 105 A, FlushCut	\$25.00
220798	Shield, Duramax, 45-105 A, max removal gouging	\$19.30
420480	Shield, Duramax and Duramax Lock, 26-105 A, max control gouging	\$19.10
220818	Shield, Duramax and Duramax Lock, 15-85 A, drag cutting	\$17.20
220992	Shield, Duramax, 30-105 A, handheld	\$18.20
220817	Shield, Duramax and Duramax Lock, 15-85 A, mechanized cutting	\$19.30
220993	Shield, Duramax, 30-105 A, mechanized	\$19.30
220948	Shield, Duramax, mechanized ohmic, 30-45 A, FineCut	\$15.50
220955	Deflector, Duramax and Duramax Lock, 15-105 A, mechanized cutting	\$10.30
220931	Shield, Duramax and Duramax Lock, 30-45 A, FineCut	\$13.10
220854	Retaining cap, Duramax and Duramax Lock, 10-105 A	\$36.50
220953	Retaining cap, mechanized ohmic, Duramax and Duramax Lock, 15-105 A	\$47.50
420413	Retaining cap, Duramax and Duramax Lock, 30-65 A, HyAccess	\$46.25
420536	Retaining cap, Duramax and Duramax Lock, 30-105 A, FlushCut	\$75.00
420540	Retaining ring, Duramax and Duramax Lock, 30-105 A, FlushCut	\$12.00

Consumable kits and packs		
851471	Consumable kit, Powermax105® Essential handheld, 105 A, cutting	\$227.00
851472	Consumable kit, Powermax105 Essential mechanized, 105 A, cutting	\$257.00
851473	Consumable kit, Powermax105 Essential mechanized ohmic, 105 A, cutting	\$267.00
428414	Consumable kit, Duramax® and Duramax Lock, 30–65 A, HyAccess™ cutting and gouging	\$179.00
428445	Starter pack, Duramax, HyAccess, 30–65 A, cutting, qty. 1 each 420413, 420410 and 420408	\$99.00
428446	Starter pack, Duramax, HyAccess, 30–65 A, gouging, qty. 1 each 420413, 420412 and 420408	\$99.00
428647	Consumable kit, Duramax, 105 A, FlushCut™	\$185.00
228767	Bulk pack, electrode, Duramax, 10–105 A, contains 220842, qty. 25	\$239.00
228934	Bulk pack, electrode, CopperPlus, 10–105 A, contains 220777, qty. 25	\$271.00
228765	Bulk pack, nozzle, Duramax, 45 A, contains 220941, qty. 25	\$178.00
228759	Bulk pack, nozzle, Duramax, 65 A, contains 220819, qty. 25	\$182.00
228760	Bulk pack, nozzle, Duramax, 85 A, contains 220816, qty. 25	\$182.00
228797	Bulk pack, nozzle, Duramax, 105 A, contains 220990 qty. 25	\$182.00
228761	Bulk pack, nozzle, Duramax FineCut, 30–45 A, contains 220930, qty. 25	\$182.00
228762	Bulk pack, nozzle, Duramax gouging, 45–85 A, contains 220797, qty. 25	\$244.00
228764	Bulk pack, shield, Duramax drag cutting, 15–85 A, contains 220818, qty. 10	\$163.00
228798	Bulk pack, shield, Duramax, 105 A, contains 220992, qty. 10	\$173.00
228763	Bulk pack, shield, Duramax mechanized, 15–85 A, contains 220817, qty. 10	\$183.00
228799	Bulk pack, shield, Duramax, 105 A, contains 220993, qty. 10	\$183.00
228849	Consumable starter kit Powermax105 handheld (for à la carte system ordering)	\$162.00

Consumable kits and packs (continued)		
228848	Consumable starter kit Powermax105, mechanized (for à la carte system ordering)	\$146.00
228969	Consumable starter kit Powermax105, mechanized with ohmic retaining cap (for à la carte system ordering)	\$162.00

Optional accessories		
229467	Powermax105/125 wheel kit	\$345.00
229570	Powermax105/125 gantry mounting kit for cutting tables	\$690.00
127360	System storage dust cover, Powermax105/125	\$68.00
228890	Eliminizer air filtration kit with steel guard for Powermax105/125	\$241.00
128647	Eliminizer air filtration kit, 1-micron filter and auto-drain moisture separator	\$210.00
011092	Replacement filter element for eliminizer air filter	\$66.00
428719	Oil removal air filtration kit, 0.01-micron coalescing oil extracting filter	\$275.00
428718	Wall mounting bracket kit for eliminizer air filter or oil removal air filter	\$40.00
428720	Replacement filter element for oil removal air filter kit	\$70.00
101215	Steel guard for eliminizer filter for Powermax105/125	\$41.00
127363	Torch carry bag, 23" x 11" x 11"	\$33.00
024877	Leather torch lead cover with hook and loop closure, black, 25' section	\$115.00
027668	Plasma circle cutting guide, deluxe kit with magnetic base	\$201.00
127102	Plasma circle cutting guide, basic	\$122.00
017041	Plasma angle cutting guide	\$127.00
017042	Magnetic straight edge	\$110.00
017059	Bevel guide	\$158.00
017043	Magnetic block 2-pack	\$87.00
017044	Pocket level and measuring tape holder	\$26.50
428347	Gouging heat shield for Duramax series 75° hand torches, including Duramax retrofit torches.	\$92.00

Torch consumable stack-up

Consumable type	Torch type	Amperage	Shield/ Deflector	Retaining cap	Nozzle	Electrode	Swirl ring
Drag-cutting	Hand	45	220818	220854	220941	220842	220994
		65			220819		
		85			220816		
		105			220990		
Mechanized	Machine	45	220817 or 220955 ¹	220854 or 220953 ²	220941	220842	220994
		65			220819		
		85			220816		
		105	220993 or 220955 ¹	220990			
FineCut®	Hand	45	220931	220854 or 220953 ²	220930	220842	220947
	Machine		220948				
FlushCut	Hand/machine	30–45 ³	420540 ⁵	420536	420633	420635 220842 or 220777 ⁴	420634
		65–105 ³			420533		420539
Max control gouging	Hand/machine	30–105	420480	220854	220797	220842	220994
Max removal gouging	Hand/machine	30–105	220798	220854	220991	220842	220994

¹ Deflector for unshielded cutting

² Ohmic retaining cap

³ Using the 45 amp FlushCut consumables on the Powermax105 above 45 amps will cause premature consumable damage.

⁴ For longer consumable life when cutting metal 1/2 inch (12 mm) and under, check out the CopperPlus electrode (part number 220777).

⁵ Retaining ring

Powermax125[®]

Professional-grade plasma metal cutting and gouging system for handheld cutting (1-1/2") and mechanized piercing 1".



Maximum productivity

- Finish jobs faster with cut speeds 5 times greater than oxyfuel on 1/2" mild steel.
- Spend less time on grinding and edge preparation due to superior cut and gouge quality.
- Maximize your cutting time with 100% duty cycle.

Low operating costs

- Reduce costs with consumable life up to four times longer than other systems in this amperage range.
- Electrode end-of-life detection protects the torch and workpiece from damage by automatically stopping power when the electrode is overused.

Easy-to-use for cutting and gouging

- No need to change the air pressure. Smart Sense™ technology ensures that it is always correctly set.
- Tackle different jobs with multiple, easy-to-use torch styles.

Built and tested to withstand the harshest conditions

- Duramax[®] Hyamp™ torches are designed for high-impact and heat resistance.
- SpringStart™ technology ensures consistent starting and a more reliable torch.
- Low maintenance maximizes uptime.

Torches

- To see details on all torches compatible with this system, please refer to the torch applications chart on page 30.

Capacity	Thickness	Cut speed
----------	-----------	-----------

Cutting		
Recommended	1-1/2"	18 ipm
	1-3/4"	10 ipm
Severance (hand cutting)	2-1/4"	5 ipm
Pierce*	1"	

* Pierce rating for handheld use or with automatic torch height control

Capacity	Metal removal rate	Groove profile*
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Gouging		
Typical gouge	27.6 lbs. per hour	0.17-0.31" D x W

* Actual groove profile varies with torch angle, arc stretch, and technique

Specifications

Input voltages	480/600 V, 3-PH, 50/60 Hz
Kilowatt output	21.9 kW
Input current @ 21.9 kW	480/600 V, 31/24 A
Output current	30-125 A
Rated output voltage	175 VDC
Duty cycle @ 104° F	100% @ 125 A, 480/600 V, 3-PH
Open circuit voltage (OCV)	320 VDC
Dimensions with handles	23.3" D; 10.8" W; 20.0" H
Weight with 25' torch	480 V 105.7 lbs. 600 V 104.7 lbs.
Gas supply	Clean, dry, oil-free air or nitrogen
Recommended gas inlet flow rate/pressure	Cutting: 550 scfh @ 85 psi Gouging: 450 scfh @ 60 psi
Input power cable length	10'
Power supply type	Inverter - IGBT
Engine drive requirement	40 kW for full 125 A output
Certifications	CSA-certified for use in the Americas and Asia, except China.
Warranty	Power supply: 3-year Torch: 1-year

Hand systems		
059538	Powermax125® system, 480 V 3-PH, CSA, plus CPC port, 85° and 15° handheld torches w/consumables, 25' lead	\$8,650.00
059569	Powermax125 system, 480 V 3-PH, CSA, plus CPC port, 85° and 15° handheld torches w/consumables, 50' lead	\$9,200.00
059536	Powermax125 system, 480 V 3-PH, CSA, plus CPC port, 85° handheld torch w/consumables, 25' lead	\$8,200.00
059537	Powermax125 system, 480 V 3-PH, CSA, plus CPC port, 85° handheld torch w/consumables, 50' lead	\$8,650.00
059571*	Powermax125 system, 480 V 3-PH, CSA, plus CPC port, 75° handheld torch w/consumables, 25' lead, English training kit	\$7,400.00
059555	Powermax125 system, 600 V 3-PH, CSA, plus CPC port, 85° and 15° handheld torches w/consumables, 25' lead	\$8,650.00
059570	Powermax125 system, 600 V 3-PH, CSA, plus CPC port, 85° and 15° handheld torches w/consumables, 50' lead	\$9,200.00
059546	Powermax125 system, 600 V 3-PH, CSA, plus CPC port, 85° handheld torch w/consumables, 25' lead	\$8,200.00
059547	Powermax125 system, 600 V 3-PH, CSA, plus CPC port, 85° handheld torch w/consumables, 50' lead	\$8,650.00

*For qualified institutions only - pre-approval required to order

Machine systems		
059539	Powermax125 system, 480 V 3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 25' lead, remote	\$8,550.00
059540	Powermax125 system, 480 V 3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 50' lead, remote	\$8,950.00
059542	Powermax125 system, 480 V 3-PH, CSA, plus CPC and serial ports, 180° machine torch w/consumables, 25' lead	\$8,700.00
059543	Powermax125 system, 480 V 3-PH, CSA, plus CPC and serial ports, 180° machine torch w/consumables, 50' lead	\$9,150.00
059541	Powermax125 system, 480 V 3-PH, CSA, plus CPC port, 85° torch w/25' lead, 180° torch w/50' lead w/consumables, remote	\$9,200.00
059544	Powermax125 system, 480 V 3-PH, CSA, plus CPC and serial ports, 180° torch w/consumables, 25' lead w/ring, cables	\$8,950.00
059545	Powermax125 system, 480 V 3-PH, CSA, plus CPC and Serial ports, 180° torch w/consumables, 50' lead w/ring, cables	\$9,500.00
059552	Powermax125 system, 600 V 3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 25' lead, remote	\$8,550.00
059553	Powermax125 system, 600 V 3-PH, CSA, plus CPC port, 180° machine torch w/consumables, 50' lead, remote	\$8,950.00
059550	Powermax125 system, 600 V 3-PH, CSA, plus CPC and serial ports, 180° machine torch w/consumables, 25' lead	\$8,700.00
059551	Powermax125 system, 600 V 3-PH, CSA, plus CPC and serial ports, 180° machine torch w/consumables, 50' lead	\$9,150.00

Machine systems (continued)		
059554	Powermax125 system, 600 V 3-PH, CSA, plus CPC port, 85° torch w/25' lead, 180° torch w/50' lead, consumables, remote	\$9,200.00
059548	Powermax125 system, 600 V 3-PH, CSA, plus CPC and serial ports, 180° torch w/consumables, 25' lead w/ring, cables	\$8,950.00
059549	Powermax125 system, 600 V 3-PH, CSA, plus CPC and serial ports, 180° torch w/consumables, 50' lead w/ring, cables	\$9,500.00

Powermax125 Power Supplies (power supplies only, no torches)		
059488	Powermax125 power supply, 480 V 3-PH, CSA, plus CPC port	\$7,150.00
059509	Powermax125 power supply, 600 V 3-PH, CSA, plus CPC port	\$7,150.00
059489	Powermax125 power supply, 480 V 3-PH, CSA, plus CPC and serial ports	\$7,350.00
059669	Powermax125 power supply, 480 V 3-PH, CSA, plus CPC port, no power cord	\$7,050.00
059510	Powermax125 power supply, 600 V 3-PH, CSA, plus CPC and serial ports	\$7,350.00

Duramax Hyamp series torch assemblies		
059492	Duramax® Hyamp™ handheld torch, 85°, 25' lead	\$790.00
059493	Duramax Hyamp handheld torch, 85°, 50' lead	\$1,010.00
059494	Duramax Hyamp handheld torch, 85°, 75' lead	\$1,230.00
059665	Duramax Hyamp handheld torch, 85°, 150' lead	\$1,640.00
059495	Duramax Hyamp handheld torch, 15°, 25' lead	\$790.00
059496	Duramax Hyamp handheld torch, 15°, 50' lead	\$1,010.00
059497	Duramax Hyamp handheld torch, 15°, 75' lead	\$1,230.00
059664	Duramax Hyamp handheld torch, 15°, 150' lead	\$1,640.00
059562	Duramax Hyamp long handheld torch 45°, 2' extension, 25' lead	\$1,250.00
059579	Duramax Hyamp long handheld torch 45°, 2' extension, 50' lead	\$1,470.00
059667	Duramax Hyamp long handheld torch 45°, 4' extension, 150' lead	\$2,700.00
059563	Duramax Hyamp long handheld torch 90°, 2' extension, 25' lead	\$1,250.00
059580	Duramax Hyamp long handheld torch 90°, 2' extension, 50' lead	\$1,470.00
059567	Duramax Hyamp long handheld torch 45°, 4' extension, 25' lead	\$1,590.00
059581	Duramax Hyamp long handheld torch 45°, 4' extension, 50' lead	\$1,810.00
059568	Duramax Hyamp long handheld torch 90°, 4' extension, 25' lead	\$1,590.00
059582	Duramax Hyamp long handheld torch 90°, 4' extension, 50' lead	\$1,810.00
059668	Duramax Hyamp long handheld torch 90°, 4' extension, 150' lead	\$2,700.00

Duramax Hyamp series torch assemblies (continued)		
059519	Duramax® Hyamp™ machine torch, 180°, 15' lead	\$790.00
059520	Duramax Hyamp machine torch, 180°, 25' lead	\$880.00
059521	Duramax Hyamp machine torch, 180°, 35' lead	\$965.00
059522	Duramax Hyamp machine torch, 180°, 50' lead	\$1,100.00
059523	Duramax Hyamp machine torch, 180°, 75' lead	\$1,310.00
059514	Duramax Hyamp mini machine torch, 180°, 15' lead	\$750.00
059515	Duramax Hyamp mini machine torch, 180°, 25' lead	\$835.00
059516	Duramax Hyamp mini machine torch, 180°, 35' lead	\$920.00
059517	Duramax Hyamp mini machine torch, 180°, 50' lead	\$1,050.00
059666	Duramax Hyamp mini machine torch, 180°, 150' lead	\$1,880.00
059564	Duramax Hyamp robotic torch, 45°, 25' lead	\$975.00
059670	Duramax Hyamp robotic torch, 45°, 50' lead	\$1,140.00
059565	Duramax Hyamp robotic torch, 90°, 25' lead	\$975.00
059671	Duramax Hyamp robotic torch, 90°, 50' lead	\$1,140.00
059566	Duramax Hyamp robotic torch, 180°, 25' lead	\$975.00
059672	Duramax Hyamp robotic torch, 180°, 50' lead	\$1,140.00

Powermax125 work leads		
223292	Kit: 125 A work lead with hand clamp, 25'	\$249.00
223293	Kit: 125 A work lead with hand clamp, 50'	\$442.00
223294	Kit: 125 A work lead with hand clamp, 75'	\$640.00
223737	Kit: 125 A work lead with hand clamp, 150'	\$1,080.00
223295	Kit: 125 A work lead with ring terminal, 25'	\$221.00
223296	Kit: 125 A work lead with ring terminal, 50'	\$420.00
223297	Kit: 125 A work lead with ring terminal, 75'	\$620.00
223298	Kit: 125 A work lead with C-style clamp, 25'	\$304.00
223299	Kit: 125 A work lead with C-style clamp, 50'	\$505.00
223300	Kit: 125 A work lead with C-style clamp, 75'	\$700.00

Automated control accessories		
128650	Remote on/off switch for machine torch, 25'	\$195.00
128651	Remote on/off switch for machine torch, 50'	\$216.00
128652	Remote on/off switch for machine torch, 75'	\$243.00
428755	Remote on/off switch for machine torch, 150'	\$337.00
228884	Upgrade kit: Powermax® 105/125 CPC port with selectable voltage ratio	\$122.00
228539	Upgrade kit: Serial interface port (RS-485)	\$214.00
023206	Machine interface cable without voltage divider signal, spade connectors, 25'	\$83.00
023279	Machine interface cable without voltage divider signal, spade connectors, 50'	\$160.00

Automated control accessories (continued)		
228350	Machine interface cable with voltage divider signal, spade connectors, 25'	\$103.00
228351	Machine interface cable with voltage divider signal, spade connectors, 50'	\$131.00
223048	Machine interface cable with voltage divider signal, D-sub connector, 25'	\$136.00
123896	Machine interface cable with voltage divider signal, D-sub connector, 50'	\$166.00
223236	Serial interface RS-485 cable to unterminated, 25'	\$114.00
223237	Serial interface RS-485 cable to unterminated, 50'	\$181.00
223239	Serial interface RS-485 cable to 9-pin D-sub connector 25'	\$135.00
223240	Serial interface RS-485 cable to 9-pin D-sub connector 50'	\$215.00
228806	Clamp assembly for Duramax/Duramax Hyamp robotic torches	\$228.00

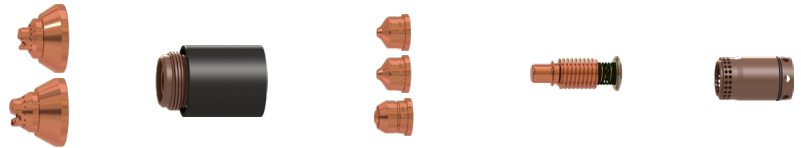
Torch consumables		
220971	Electrode, Duramax Hyamp, 30-125 A	\$13.10
420553	Electrode, Duramax Hyamp, 125 A, FlushCut™	\$14.00
220975	Nozzle, Duramax Hyamp, 125 A	\$13.10
420169	Nozzle, Duramax Hyamp, 65 A	\$6.90
420158	Nozzle, Duramax Hyamp, 45 A	\$6.90
420151	Nozzle, Duramax Hyamp, 30-45 A, FineCut®	\$6.90
420001	Nozzle, Duramax Hyamp, 65-125 A, gouging	\$13.20
420489	Nozzle shield assembly, Duramax Hyamp, 125 A, FlushCut	\$90.00
420000	Shield, Duramax Hyamp, 125 A, drag cutting	\$23.10
220976	Shield, Duramax Hyamp, 105-125 A, mechanized	\$26.25
420112	Shield, Duramax Hyamp, 65-125 A, max removal gouging	\$22.80
420509	Shield, Duramax Hyamp, 65-125 A, max control gouging	\$23.00
420168	Shield, Duramax Hyamp, 45-65 A, mechanized	\$27.25
420172	Shield, Duramax Hyamp, 45-65 A, drag cutting	\$23.20
420152	Shield, Duramax Hyamp, 30-45 A, FineCut	\$23.80
220997	Swirl ring, Duramax Hyamp, 30-125 A	\$28.50
420159	Swirl ring, Duramax Hyamp, 30-45 A, FineCut handheld	\$29.50
420484	Swirl ring, Duramax Hyamp, 125 A, FlushCut	\$32.00
220977	Retaining cap, Duramax Hyamp, 30-125 A	\$50.00
420156	Retaining cap, Duramax Hyamp, 30-125 A, mechanized ohmic	\$55.50
420490	Retaining cap, Duramax Hyamp, 125 A, FlushCut	\$100.00
420485	Retaining ring, Duramax Hyamp, 125 A, FlushCut	\$16.00

Consumable kits		
851474	Consumable kit, Powermax125® Essential handheld, 125 A, cutting	\$257.00
851475	Consumable kit, Powermax125 Essential mechanized, 125 A, cutting	\$293.00
851476	Consumable kit, Powermax125 Essential mechanized ohmic, 125 A, cutting	\$303.00
428713	Consumable kit, Duramax® Hyamp™, 125A, FlushCut™	\$260.00
428099	Consumable starter kit Powermax125 handheld (for à la carte system ordering)	\$161.00
428100	Consumable starter kit Powermax125, mechanized (for à la carte system ordering)	\$161.00
428101	Consumable starter kit Powermax125, mechanized with ohmic retaining cap (for à la carte system ordering)	\$178.00

Optional system accessories		
229467	Powermax105/125 wheel kit	\$345.00
229570	Powermax105/125 power supply gantry mounting kit for cutting tables	\$690.00
127360	System storage dust cover, Powermax105/125	\$68.00
228890	Eliminizer air filtration kit with steel guard for Powermax105/125	\$241.00
128647	Eliminizer air filtration kit, 1-micron filter and auto-drain moisture separator	\$210.00
011092	Replacement filter element for eliminizer air filter	\$66.00

Optional system accessories (continued)		
428719	Oil removal air filtration kit, 0.01-micron coalescing oil extracting filter	\$275.00
428718	Wall mounting bracket kit for eliminizer air filter or oil removal air filter	\$40.00
428720	Replacement filter element for oil removal air filter kit	\$70.00
101215	Steel guard for eliminizer filter for Powermax105/125	\$41.00
229832	Teach tip assembly, Hyamp robotic torch	\$373.00
127363	Torch carry bag, 23" x 11" x 11"	\$33.00
017049	Long torch carry bag for 2' torch	\$103.00
017050	Long torch carry bag for 4' torch	\$163.00
024877	Leather torch lead cover with hook and loop closure, black, 25' section	\$115.00
017053	Plasma circle cutting guide for Duramax Hyamp torch, deluxe kit with magnetic base	\$217.00
017041	Plasma angle cutting guide	\$127.00
017042	Magnetic straight edge	\$110.00
017058	Bevel guide for Duramax Hyamp	\$158.00
017043	Magnetic block 2-pack	\$87.00
017044	Pocket level and measuring tape holder	\$26.50
428348	Gouging heat shield for Duramax Hyamp 80° hand torches	\$85.00
428809	Skeleton cutting sled for Duramax Hyamp Long torches	\$204.00
428495	Hyamp torch adapter for Powermax125/MAXPRO200® machine torches	\$535.00

Torch consumable stack-up



Consumable type	Torch type	Amperage	Shield/ Deflector	Retaining cap	Nozzle	Electrode	Swirl ring
Drag-cutting	Hand	45	420172	220977	420158	220971	220997
		65	420172		420169		
		125	420000		220975		
Mechanized	Machine	45	420168	220977 or 420156 ¹	420158	220971	220997
		65	420168		420169		
		125/105	220976		220975		
FineCut®	Hand	45	420152	220977 or 420156 ¹	420151	220971	420159
	Machine						220997
Hyamp FlushCut	Hand/machine	85-125	420485 ²	420490	420489	420553	420484
Max removal gouging	Hand/machine	30-125	420112	220977	420001	220971	220997
Max control gouging	Hand/machine	30-125	420519	220977	420001	220971	220997

¹ Ohmic retaining cap

² Retaining ring

Personal protective equipment



Dual face shield for slotted hard hat

ANSI Z87.1, CSA Z94.3, CE
017047 Shade 6
017048 Shade 8
017046 Hard hat



Gouging heat shield

128658 T45v; T60/80/100
428347 Duramax®
428348 Duramax Hyamp™



Dual face shield

127239 Shade 6
127103 Shade 8



Cutting goggles

ANSI Z87.1, CSA Z94.3, CE
017035 Shade 5



Leather cutting gloves

127169



Adjustable eye shades

127416 Shade 5



Hyamp™ cutting and gouging gloves

017025 Medium
017026 Large
017027 X-Large
017028 2X-Large



Clear safety shields

017034



Flip-up eye shades

ANSI Z87.1, CSA Z94.3, CE
017033 Shade 5



Cutting blanket

017032 5' x 6', 18 oz.



Neck guard

017030



Arc-rated metalworking jersey

017016 Medium
017017 Large
017018 X-large
017019 2X-Large
017020 3X-Large

System accessories



Air filtration kits

- 128647 Filter kit only
- 228570 Powermax® 65/85, kit and cover
- 228890 Powermax105/125, kit and cover
- 011092 Replacement filter element



Leather torch sheathing

- 024877 Black leather 25'



Wheel/gantry kits

- 229370 Powermax65/85, wheel kit
- 229569 Powermax65/85, gantry kit
- 229467 Powermax105/125, wheel kit
- 229570 Powermax105/125, gantry kit



System dust covers

- 127144 Powermax30/30 XP
- 127469 Powermax30 AIR
- 127219 Powermax45/45 XP
- 127301 Powermax65/85
- 127360 Powermax105/125



Rolling tool bag

- 017060 19.5" x 17.5" x 12.5"



Remote trigger pendant

- 128650 25'
- 128651 50'
- 128652 75'



Torch carry bag

- 127363 23" x 11" x 11"
- 017049 Duramax® Hyamp™ 2'



Hyamp torch adapter

- 428495

Cutting guides



Circle cutting guide

- 127102 Basic
- 027668 Deluxe
- 017053 Duramax Hyamp



Angle cutting guide

- 017041



Pocket level and tape magnet

- 017044



Magnetic straight edge

- 017042



Bevel cutting guide

- 017059 Standard
- 017058 Duramax Hyamp



Magnetic block 2-pack

- 017043

Torch applications for Powermax® 45XP/65/85/105/125

Powermax® torch product line overview

Hypertherm® offers an extensive array of torch options for the Powermax line of plasma systems.

Color code	Torch series	System compatibility	Torch style(s)					
			Hand torch	Straight hand torches	Straight machine torches	Short machine torches	Robotic torches	Long torches
	Air T30 (designed for)	Powermax30 AIR	15 ft. lead					
	Duramax LT (designed for)	Powermax30 XP	15 ft. lead					
	Duramax Lock (designed for)	Powermax45 XP	20 ft. lead 50 ft. lead	20 ft. lead 50 ft. lead	25 ft. lead 35 ft. lead 50 ft. lead			
	Duramax (designed for)	Powermax65 Powermax85 Powermax105	25 ft. lead 50 ft. lead 75 ft. lead	25 ft. lead 50 ft. lead 75 ft. lead	15 ft. lead 25 ft. lead 35 ft. lead 50 ft. lead 75 ft. lead	15 ft. lead 25 ft. lead 35 ft. lead 50 ft. lead	25 ft. lead	
	Duramax (compatible)	Powermax45 XP						
	Duramax Hyamp (designed for)	Powermax125	25 ft. lead 50 ft. lead 75 ft. lead	25 ft. lead 50 ft. lead 75 ft. lead	15 ft. lead 25 ft. lead 35 ft. lead 50 ft. lead 75 ft. lead	15 ft. lead 25 ft. lead 35 ft. lead 50 ft. lead	25 ft. lead	2 ft. option 4 ft. option 6 ft. option 25 ft. lead 50 ft. lead
	Duramax Hyamp (compatible)	Powermax45 XP Powermax65 Powermax85 Powermax105						

Match the color code to the consumable packaging to select the correct consumables by torch series.



85° hand torch



180° mini machine torch



15° hand torch



180° full-length machine torch



45° Duramax robotic torch



90° Duramax robotic torch



180° Duramax robotic torch



45° Duramax Hyamp 2' Long torch



45° Duramax Hyamp 4' Long torch

Consumable kits

- Powermax® Essential consumable kits – designed to provide the optimal mix of cutting consumables for your Powermax system
- HyAccess™ and FlushCut™ kits
- Dual pack electrode/nozzle kits for Powermax30 AIR and Powermax30 XP
- Bulk kits – economical for high volume use of select consumables



FlushCut kits

FlushCut consumables for cutting closer to base materials as possible without piercing or damaging the workpiece.

Powermax system	Kit part number	Operating amperage
Powermax45 XP		
Powermax65	428746	15-45 A
Powermax85		
Powermax105	428647	85-105 A
Powermax125	428713	85-125 A

HyAccess kits

Extended reach consumables for improved visibility and accessibility when cutting or gouging in confined spaces.

Powermax system	Kit type	Kit part number	Operating amperage
Powermax30 XP	Combination Cut/Gouging	428337	
	Starter kit – Cutting	428443	15-30 A
	Starter kit – Gouging	428444	
Powermax45 XP	Combination Cut/Gouging	428414	
Powermax65	Starter kit – Cutting	428445	15-65 A
Powermax85	Starter kit – Gouging	428446	

Powermax Essential consumable kits

Powermax system	Handheld	Mechanized	Mechanized Ohmic
Powermax30 AIR	851462		
Powermax30 XP	851479		
Powermax45 XP	851510	851511	851512
Powermax65	851465	851466	851467
Powermax85	851468	851469	851470
Powermax105	851471	851472	851473
Powermax125	851474	851475	851476



Dual electrode/nozzle packs

Powermax system	Part number	Process
Powermax30 AIR	428350	Standard cutting
Powermax30 XP	428243	Standard cutting
	428244	FineCut®

Duramax® consumable bulk kits

Contents	Order quantity	Part number	Price
Electrode (220777)	25	228934	\$271.00
Electrode (220842)	25	228767	\$239.00
Nozzle (220816)	25	228760	\$182.00
Nozzle (220819)	25	228759	\$182.00
Nozzle (220930)	25	228761	\$182.00
Nozzle (220797)	25	228762	\$244.00
Nozzle (220941)	25	228765	\$178.00
Nozzle (220990)	25	228797	\$182.00
Nozzle (220991)	25	228796	\$170.00
Shield (220992)	10	228798	\$170.00
Shield (220993)	10	228799	\$179.00
Shield (220817)	10	228763	\$183.00
Shield (220818)	10	228764	\$163.00



HELPING YOU SHAPE THE WORLD.



PLASMA | LASER | WATERJET | AUTOMATION | SOFTWARE | CONSUMABLES

For more information, visit:
www.hypertherm.com

Engineered and assembled in the USA
ISO 9001:2008

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