



CEMONT

SHARP plasma cutting range



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SHARP 6K



Plasma cutting generators for cutting all electrical conducting metals. Inverter technology. Single-phase power supply.

SHARP 6K is an inverter-technology manual plasma cutting system with excellent current regulation, optimum performance and cutting quality. SHARP 6K has a built-in air compressor so that it is totally self-contained.

CHARACTERISTICS

POWER SUPPLY VOLTAGE: 230 V single-phase (equipped with 16 A home outlet plug).

SELF-CONTAINED: built-in compressor that makes the system independent of all compressed air supply systems.

LIGHTWEIGHT: easy to carry (12 kg only).

EASY TO USE: cuts up to 2 mm thickness without ground cable. Exceptionally good when cutting painted workpieces.

DIGITAL DISPLAY: for improved adjustment and optimum display of parameters.



The image shows the CEMON logo in white, bold, sans-serif capital letters against a blue background. The logo is slightly blurred and appears to be on a surface that is part of a larger image, possibly a piece of equipment or a sign. The background of the entire top section is a blue sky with a white dashed line at the bottom.

SHARP 6K

Single-phase power supply	230 V - 50/60 Hz
Current absorption*/power absorption	16 / 3,5 kVA
Effective consumption	11 A
Current range	10 - 20 A
Duty cycle at 40 °C and 50%	20 A
Index of protection	IP 23
Size	440 x 185 x 310 mm
Weight	12 kg

*at maximum cutting current

Cutting capacity (on steel)

For quality	For separation
4 mm	6 mm

Standard Equipment

Power supply cable with 16 A plug
Equipped ground cable
Assembled torch equipped with consumables
Operating and maintenance manual

Standards

EN 60974.1

EN 60974.7

EN 60974.10

SHARP 6K

Code W 000 263 709

SHARP 10



Plasma cutting generators for cutting all electrical conducting metals. Inverter technology. Single-phase power supply.

SHARP 10 is an inverter-technology manual plasma cutting system with excellent current regulation, optimum cutting quality.

CHARACTERISTICS

LIGHTWEIGHT: *easy to carry (8 kg only).*

CONTACT CUTTING: *improved cutting quality and reduction of smoke emissions.*

COMPLETE: *shipped ready-to-use.*

DIGITAL DISPLAY: *for improved adjustment and optimum display of parameters.*





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SHARP 10

Single-phase power supply		230 V (50-60 Hz)
Current absorption*/power absorption		23 A / 5,0 kVA
Effective consumption		14 A
Compressed air consumption		> 100 l/min - 4 bars
Current range		10 - 30 A
Duty cycle at 40 °C	30%	30 A
	60%	25 A
	100%	20 A
Index of protection		IP 23
Size		370 x 160 x 270 mm
Weight		8 kg

* at maximum cutting current

Cutting capacity (on steel)

For quality	For separation
8 mm	10 mm

Standard Equipment

Power supply cable
with 16 A plug

Equipped ground cable

Assembled torch equipped
with consumables

Operating and maintenance
manual

Standards

EN 60974.1

EN 60974.7

EN 60974.10

SHARP 10

Code W 000 263 707

SHARP 22



Plasma cutting generators for cutting all electrical conducting metals. Inverter-technology. Three-phase power supply.

SHARP 22 is a powerful inverter-technology manual plasma cutting system with excellent current regulation, optimum cutting quality.

CHARACTERISTICS

COMPACT AND LIGHTWEIGHT: less than 25 kg and compact dimensions. Very handy.

POWERFUL: cutting quality up to 20 mm.

CUTTING PERFORMANCE: maximum cutting current of 65 A at 35% (at 40 °C) and at 100% (at 25 °C).

SCARFING: excellent for making precision channels during scarfing.

GRATING CUTTING MODE: with automatic restart.

CONTACT CUTTING: improved cutting quality and reduced smoke emissions.

COMPLETE: shipped ready-to-use.





SHARP 22

3-phase power supply		400 V (50/60 Hz)
Current absorption*/power absorption		20,1 A (400 V) / 13 kVA
Effective consumption		14,5 A
Current range		20 - 65 A
Duty cycle at 40 °C	35%	65 A
	60%	50 A
	100%	65 A (a 25 °C)
Index of protection		IP 23
Size		435 x 235 x 380 mm
Weight		25 kg

* at maximum cutting current

Cutting capacity (on steel)

For quality	For separation
20 mm	24 mm

Standard Equipment

Power supply cable
Ground cable with clamp
Equipped torch and bag with consumables
Operating and maintenance manual

Standards

EN 60974.1

EN 60974.7

EN 60974.10

SHARP 22

Code W 000 262 496

SHARP 25M



Plasma cutting generators for cutting all electrical conducting metals. Three-phase power supply.

SHARP 25 M is a transformer-technology manual plasma cutting system designed for workshop and construction site use. This system offers outstanding sturdiness and easy regulation.

CHARACTERISTICS

POWER SUPPLY VOLTAGE: 200 V, 230 V, 380 V, 400 V, three-phase.

EASY TO USE: a single switch adjusts power on 3 positions.

VERSATILITY: all electrical conducting metals can be cut and perforated.

POWERFUL: high cyclic duration factor: 80 A at 40% at 40 °C.

COMPLETE: shipped ready-to-use.

STRIKING: clean striking arc using blow-back technology.



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SHARP 25M

3-phase power supply		220 V	230 V	380 V	400 V
Current absorption*/power absorption		49 A	47 A	28 A	27 A
Effective consumption		31 A	29 A	18 A	17 A
Power		11 kVA			
Compressed air consumption		180 l/min - 5 bars			
Current range		30 - 80 A			
Duty cycle at 40 °C	40%	80 A			
	80%	50 A			
	100%	30 A			
Index of protection		IP 23			
Size		500 x 855 x 705 mm			
Weight		80 kg			

* at maximum cutting current

Cutting capacity (on steel)

For contact	For quality	For separation
8 mm	20 mm	25 mm

Standard Equipment

Power supply cable and ground cable with clamp

Equipped, already-assembled torch and bag with consumables

Operating and maintenance manual

Standards

EN 60974.1

EN 60974.7

EN 60974.10

SHARP 25M

Code W 000 261 830

SHARP 40M



Plasma cutting generator for cutting all electrical conducting metals. Three-phase power supply.

SHARP 40 M is a transformer-technology manual plasma cutting system designed for workshop and construction site use. This system offers outstanding sturdiness and easy regulation.

CHARACTERISTICS

POWER SUPPLY VOLTAGE: 200V, 230V, 380V, 400V, three-phase.

EASY TO USE: a single switch adjusts power on 4 positions.

VERSATILITY: all electrical conducting metals can be cut and perforated.

POWERFUL: high cyclic duration factor: 120 A at 50% at 40 °C.

COMPLETE: shipped ready-to-use.

INNESCO: arco d'innesco pulito con tecnologia blow-back.





SHARP 40M

3-phase power supply		220 V	230 V	380 V	400 V
Current absorption*/power absorption		74 A	71 A	42 A	40 A
Effective consumption		52 A	50 A	30 A	28 A
Power		16 kVA			
Compressed air consumption		220 l/min - 5,5 bar			
Current range		30 - 120 A			
Duty cycle at 40 °C	50%	120 A			
	75%	85 A			
	100%	50 A			
Index of protection		IP 23			
Size		500 x 855 x 705 mm			
Weight		125 kg			

* at maximum cutting current

Standard Equipment

Power supply cable and ground cable with clamp

Equipped, already-assembled torch and bag with consumables

Operating and maintenance manual

Standards

EN 60974.1

EN 60974.7

EN 60974.10

Cutting capacity (on steel)

For contact	For quality	For separation
8 mm	35 mm	40 mm

SHARP 40M

Code W 000 261 831



Contacts

BELGIUM

AIR LIQUIDE WELDING BELGIUM SA
Z.I. West Grijsen - Grijsenlaan 5 - 3300 TIENEN
Tel.: +32 16 80 48 20 - Fax: +32 16 78 29 22

CZECH REPUBLIC

AIR LIQUIDE WELDING CZ s.r.o. - Welding and Cutting
Podnikatelská 565 - Areal SVUM - 190 11 PRAHA 9 - Bóchovice
Tel.: +420 274 023 163 - Fax: +420 274 023 233

FRANCE

AIR LIQUIDE WELDING FRANCE
13, rue d'Épluches - BP 70024 Saint-Ouen l'Aumône
95315 CERGY PONTOISE Cedex
Tel.: +33 1 34 21 33 33 - Fax: +33 1 34 21 31 30

HUNGARY

AIR LIQUIDE WELDING HUNGARY kft. - Welding and Cutting
Krisztina ktr. 39/b
H-1013 BUDAPEST
Tel.: +36 1 339 8650 - Fax: +36 1 339 8649

ITALY

CEMONT S.p.A.
Loc. Casalmenini
37010 Rivoli Veronese VERONA
Tel. +39 045 6208993 - Fax +39 045 6200548

LUXEMBURG

AIR LIQUIDE WELDING LUXEMBURG
5 rue de la Déportation - BP 1385 - L - 1415 LUXEMBURG
Tel.: +352 485456 - Fax +352 48 54 57

NETHERLANDS

AIR LIQUIDE WELDING NETHERLANDS
Rudonk 6 B - NL 4824 AJ BREDA
Tel.: +31 76 541 00 80 - Fax: +31 76 541 58 96

POLAND

AIR LIQUIDE WELDING POLSKA - SP. Z.o.o
Ul. Porcelanowa 10 - 40-246 KATOWICE
Tel.: +48 32 609 04 50 - Fax: +48 32 609 04 60

PORTUGAL

AIR LIQUIDE SOLDADURA LDA
Rua Dr. António Loureiro Borges, 4-2ºArquiparque
Miraflores - 1495-131 ALGES
Tel: +351 21 41 64 900 - Fax: +351 21 41 69 40

ROMANIA

DUCTIL
Aleea Industriilor Nr 1 - 120224 BUZAU
Tel.: +40 238 722 058 - Fax: +40 238 716 861

RUSSIA

AIR LIQUIDE WELDING
17 Vorontsovskaya Str. - 109147 MOSCOW
Tel.: +7 495 641 28 96 - Fax: +7 495 641 28 91

SLOVAKIA

AIR LIQUIDE WELDING CENTRAL EUROPE S.R.O.
Prazska 35 - 94901 NITRA
Tel: +421 37 692 46 01 - Fax: +421 37 651 99 19

SPAIN

OERLIKON SOLDADURA SA
Poligono Industrial la Noria Carretera de Castellon
Km-15,500 - 50730 El Burgo de Ebro - ZARAGOZA
Tel.: +34 976 10 47 00 - Fax: +34 976 10 42 67

U. K.

AIR LIQUIDE WELDING Ltd
Low March / London Road - DAVENTRY
Northants NN11 4SD
Tel.: +44 1 327 70 55 11 - Fax: +44 1 327 70 13 10

Contacts for other countries

ALW Export Department Italy

Via Torricelli15/A
37135 VERONA
Tel: +39 045 82 91 511 - Fax: +39 045 82 91 536
E-mail: export.alwitaly@airliquide.com

ALW Export Department France

13, rue d'Épluches
BP 70024 Saint Ouen l'Aumône
95315 CERGY-PONTOISE Cedex
Tel: +33 1 34 21 33 33 - Fax: +33 1 30 37 19 73
E-mail: export.alwfrance@airliquide.com

www.cemont.com



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Founded in 1902, Air Liquide is the world leader in industrial and medical gases and related services. The company has offices in 72 countries and employs a work force of 40,000. Drawing on constantly renewed technologies, Air Liquide develops groundbreaking solutions used in making countless everyday products and in helping to preserve life.