

BUFFALO X range

BUFFALO X: for welding and gouging in extreme conditions - robust and powerful



BUFFALO X range



2008-759

Product description and features

- High power for welding and gouging:
up to 630 A - 35% - 40 °C
- Digital displays included
- Supplied with handles and wheels
- 42 V DC auxiliary supply available
- 48 V AC auxiliary supply optional
- Compact version without wheels and handles
- **V**oltage **R**eduction **D**evice (VRD) on demand
- Arc Force and Hot Start regulation available
for improved arc stability
- Process selector including: MMA / Gouging /
CV MIG / TIG with lift starting

BUFFALO X range

The BUFFALO X range is designed to operate in the most difficult working conditions.

Combining power with reliability, the BUFFALO X range is the solution for heavy duty welding and gouging.

The range of options available makes the BUFFALO a fully versatile power source, with durable high performance in all situations.



2008-791



2008-789

BUFFALO X front panel

1. Main switch
2. Process selector: MMA/gouging / TIG / CC CV MIG / 42 V
3. Overheating / Remote / power on check lights
4. Main potentiometer
5. Digital voltage display
6. Digital current display
7. Hot start regulator
8. Arc Force regulator
9. Remote control plug



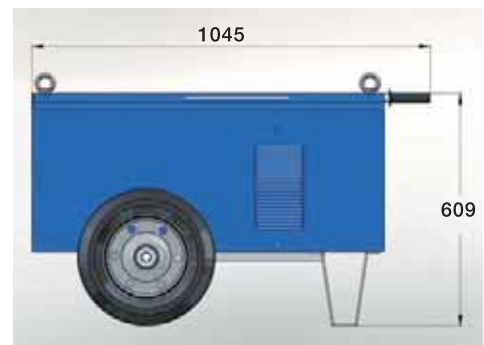
Technical characteristics

	BUFFALO 400 X	BUFFALO 500 X	BUFFALO 650 X
Three-phase input voltage	230 / 400 V +/- 15% 50 / 60 Hz		
Effective input current	40.6 / 23.5	57.6 / 33.3	61.5 / 35.4
Open circuit voltage	68 - 75 V		
Welding current range	10 - 400 A	10 - 500 A	10 - 630 A
Duty cycle at 40 °C at	35%	400 A	500 A
	60%	300 A	430 A
	100 %	230 A	340 A
Connector size	13 mm		
Protection index	IP 23		
Weight	128 kg	176 kg	176 kg
Dimensions	1000 x 600 X 600 mm		
European standards	EN 60974.1 EN 60974.10		
Delivered equipped with	Primary cable (4mt) user manual safety instructions		

To order (with handles and wheels)	W 000 272 663	W 000 272 664	W 000 272 665
To order (without handles and wheels) WOW version	W 000 277 996	W 000 277 992	W 000 277 993

Option and accessories

Remote control	W 000 219 557
48 V AC socket for auxiliary service	W 000 274 337
Voltage Reduction Device	W 000 275 160
Mig autonomous wire feeder	W 000 275 839
TIG HF Box M200	W 000 305 050
MMA Kit 50C50+ (electrode holder+earth clamp)	W 000 260 682
Wheels and Handles kit (for WOW version)	W 000 278 006



WOW version





Contacts

BELGIUM

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

CHINA

SAF SHANGHAI REP.OFF.
Rm 722 Pine City Hotel
777 Zhao Jia Bang Lu - SHANGHAI 200032
Tel.: +86 21 64 43 89 69 - Fax: +86 21 64 43 58 97

CZECH REPUBLIC

AIR LIQUIDE CZ S.R.O. - Welding and Cutting
Podnikatelská 565 - Areál SVUM - 190 11 PRAHA 9 - Búchovice
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

GERMANY

OERLIKON SCHWEISSTECHNIK GmbH
Industriestrasse 12 - D-67304 EISENBERG/PFALZ
Tel.: +49 6351 4760 - Fax: +49 6351 476 335

HUNGARY

AIR LIQUIDE HUNGARY - Welding & Cutting
Krisztina krt. 39/b - H-1013 BUDAPEST
Tel.: +36 1 339 8650 - Fax: +36 1 339 8649

ITALY

AIR LIQUIDE WELDING ITALY
Via Torricelli 15/A - 37135 VERONA
Tel.: +39 045 82 91 511 - Fax: +39 045 82 91 536

LUXEMBOURG

AIR LIQUIDE WELDING LUXEMBOURG S.A.
5 rue de la Déportation - BP 1385 - L-1415 LUXEMBOURG
Tel.: +352 48 54 56 - Fax: +352 48 54 57

MALAYSIA

SAF-OERLIKON MALAYSIA SDN BHD
No 10, Jalan TPP 5/1
Taman Perindustrian Puchong - 47100 PUCHONG, SELANGOR
Tel.: +603 8060 8638 - Fax: +603 8061 620

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, 4-2° Arquiparque
Miraflores - 1495-131 ALGÉS
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 98 - Fax: +7 495 641 28 91

SCANDINAVIA

OERLIKON SKANDINAVIEN AB
Krossverksgatan 7 - 216 16 LIMHAMN
Tel.: +46 (0)40 670 15 00 - Fax: +46 (0)40 670 15 01

SLOVAKIA

AIR LIQUIDE WELDING CENTRAL EUROPE S.R.O.
Hlohovecká 6 - 951 41 NITRA - LUŽIANKY
Tel.: +421 37 692 4610 - Fax: +421 37 651 28 04

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

SWITZERLAND

OERLIKON SCHWEISSTECHNIK AG
Mandachstrasse 54 - CH 8155 NIEDERHASLI
Tel.: +41 44 3076 111 - Fax: +41 44 3076 112

THAILANDE

AIR LIQUIDE WELDING THAILAND Co. Ltd.
40 Moo 6 - Ramindra Road Km 9.5 - KHANNAYAO, BANGKOK 10230
Tel.: +66 29 43 2250 - Fax: +66 29 43 2256

UAE

AIR LIQUIDE WELDING MIDDLE EAST FZE
Jebel Ali free zone warehouse No. FZS1AH05
P.O. BOX 18734 - Jebel Ali - DUBAI
Tel.: +971(0)48861606 - Fax: +971(0)48861608

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

UKRAINE

AIR LIQUIDE WELDING UKRAINE, Lic.
Moskovskij Prospect 199 - Office 339 - 61037 KHARKOV
Tel.: +38 057 728 08 52- Fax : +38 057 728 08 53

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

ALW Export Department Switzerland

OERLIKON WELDING LTD
Mandachstrasse 54
CH - 8155 Niederhasli
Tel.: +41 44 3076 111 - Fax: +41 44 3076 212
E-mail: export.oerlikonwelding@airliquide.com



Air Liquide is the world leader in gases for industry, health and the environment, and is present in over 75 countries with 43.000 employees. Oxygen, nitrogen, hydrogen and rare gases have been at the core of Air Liquide's activities since its creation in 1902. Using these molecules, Air Liquide continuously reinvents its business, anticipating the needs of current and future markets. The Group innovates to enable progress, to achieve dynamic growth and a consistent performance. Air Liquide combines many products and technologies to develop valuable applications and services not only for its customers but also for society.