

# REEFLEX®

## MULTI-PROCESS DC INVERTER WELDER RANGE



**CC/CV**

STICK

LIFT TIG

MIG/MAG

GOUGE



**2 YEAR  
WARRANTY**

Designed and  
manufactured  
in South Africa

Built-in voltage  
reducer

Thermal &  
mains voltage  
protection

Dual voltage  
available

Trolley available

OPTIONAL  
Remote voltage  
control on  
wire feeder

**220 Amp**

**300 Amp**

**400 Amp**

**500 Amp**

**700 Amp**

# REEFLEX® *Multi*



## REEFLEX® WELDING

## MAIN BENEFITS



The **REEFLEX® Multi** range of DC inverter welders are multi-process machines, giving the user ultimate flexibility, performance and portability. The output characteristics are changed between CC and CV by the flick of a switch, giving excellent welding on STICK welding, easy arc starting with LIFT TIG and low spatter welding with MIG (solid or fluxcored wire) or MAG welding. Having 100 % duty

cycle means that these machines can be used for maintenance and production applications. Adjustable ARC FORCE for CC, and adjustable INDUCTANCE for CV enables each process to be fine tuned to obtain optimum results.

Standard on all **REEFLEX® Multi** machines are separate digital VOLT and AMP meters which continuously indicate output voltage and output

current, thereby enabling the operator to be in full control of all welding parameters.

The dual voltage models have built-in protection circuitry, eliminating any damage to machine or wire feeder if connected to the wrong supply voltage.

|                               | <b>220<br/>AMP</b>      | <b>300<br/>AMP</b>                                 | <b>400<br/>AMP</b>                                 | <b>500<br/>AMP</b>                                 | <b>700<br/>AMP</b>                                 |
|-------------------------------|-------------------------|--|--|--|--|
| <b>PRIMARY</b>                |                         |  |  |  |  |
| INPUT VOLTAGE                 | 220V<br>1 phase<br>±15% | 380V<br>3 phase<br>±15%    525V<br>3 phase<br>±15% | 380V<br>3 phase<br>±15%    525V<br>3 phase<br>±15% | 380V<br>3 phase<br>±15%    525V<br>3 phase<br>±15% | 380V<br>3 phase<br>±15%    525V<br>3 phase<br>±15% |
| INPUT CURRENT                 | 34A                     | 15A<br>per phase    12A<br>per phase               | 28A<br>per phase    20A<br>per phase               | 40A<br>per phase    30A<br>per phase               | 53A<br>per phase    38A<br>per phase               |
| DUAL VOLTAGE OPTION           | No                      | Yes  | Yes  | Yes  | Yes  |
| <b>SECONDARY</b>              |                         |  |  |  |  |
| DC WELDING CURRENT            | 220A/28V                | 300A/32V   | 400A/36V   | 500A/40V   | 700A/44V   |
| OPEN CIRCUIT VOLTAGE          | 60V                     | 60V  | 70V  | 80V  | 85V  |
| DUTY CYCLE                    | 100 %                   | 100 %  | 100 %  | 100 %  | 60 % @ 700A/100 % @ 600A                           |
| CC CURRENT RANGE              | 20 – 220A               | 30 – 300A  | 40 – 400A  | 50 – 500A  | 70 – 700A  |
| CV VOLTAGE RANGE              | 14 – 28V                | 14 – 32V   | 14 – 36V   | 15 – 40V   | 15 – 44V   |
| CC LIFT TIG                   | Yes                     | Yes  | Yes  | Yes  | Yes  |
| CC ARC FORCE                  | Yes                     | Yes  | Yes  | Yes  | Yes  |
| CV INDUCTANCE                 | Yes                     | Yes  | Yes  | Yes  | Yes  |
| DIGITAL DISPLAY CURRENT       | Yes                     | Yes  | Yes  | Yes  | Yes  |
| DIGITAL DISPLAY VOLTAGE       | Yes                     | Yes  | Yes  | Yes  | Yes  |
| * OUTPUT FOR WIRE FEEDER      | 24V AC/200VA            | 24V AC/200VA                                       | 24V AC/200VA                                       | 24V AC/200VA                                       | 24V AC/200VA                                       |
| CONNECTION FOR REMOTE         | Standard                | Standard   | Standard   | Standard   | Standard   |
| RODS/WIRE SIZES               |                         |  |  |  |  |
| ARC                           | 2,5 – 5,0 mm            | 2,5 – 6,3 mm                                       | 2,5 – Maximum                                      | 2,5 – Maximum                                      | 2,5 – Maximum                                      |
| MIG                           | 0,8 – 1,0 mm            | 0,8 – 1,2 mm                                       | 0,8 – 1,6 mm                                       | 0,8 – 1,6 mm                                       | 0,8 – 1,6 mm                                       |
| TIG                           | 1,6 – 3,2 mm            | 1,6 – 3,2 mm                                       | 1,6 – 3,2 mm                                       | 1,6 – 3,2 mm                                       | 1,6 – 3,2 mm                                       |
| GOUGING                       | -                       | -  | 6,5 mm   | 9,5 mm   | 12 mm  |
| BUILT-IN VOLTAGE REDUCER      | Yes                     | Yes  | Yes  | Yes  | Yes  |
| OVER/UNDER VOLTAGE PROTECTION | Yes                     | Yes  | Yes  | Yes  | Yes  |
| OVER TEMPERATURE PROTECTION   | Yes                     | Yes  | Yes  | Yes  | Yes  |
| COOLING                       | Fan                     | Fan  | Fan  | Fan  | Fan  |
| DIMENSIONS                    |                         |  |  |  |  |
| Height                        | 310 mm                  | 310 mm   | 310 mm   | 350 mm   | 370 mm   |
| Width                         | 265 mm                  | 265 mm   | 265 mm   | 350 mm   | 380 mm   |
| Length                        | 590 mm                  | 590 mm   | 590 mm   | 755 mm   | 810 mm   |
| WEIGHT                        | 30 kg                   | 35 kg  | 39 kg  | 55 kg  | 60 kg  |

\*OTHER VOLTAGES AVAILABLE ON REQUEST

Manufactured by

**REEFLEX®**  
**WELDING**

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