

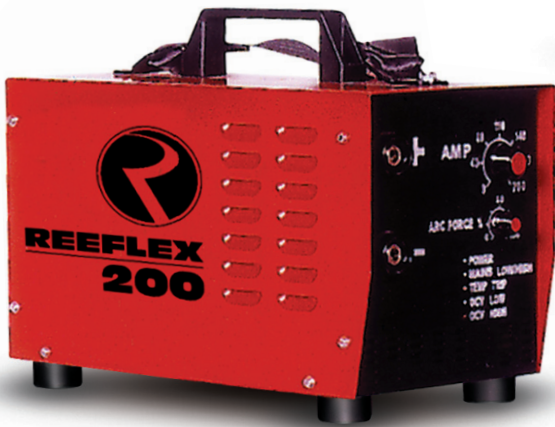
# REEFLEX®

## LOCO BATTERY WELDERS



**42 CELL**

**60 CELL**



Designed and  
manufactured  
in South Africa

100 % duty  
cycle @  
maximum  
output

DC TIG  
welding

Built-in voltage  
reducer

Thermal &  
mains voltage  
protection

**160 Amp**

**200 Amp**

**300 Amp**



**REVERSE POLARITY PROTECTION**



**REEFLEX®**  
WELDING

## MAIN BENEFITS

The Reflex range of inverter welders are lightweight, fully portable, heavy duty industrial DC welders for coated electrode and TIG welding. This makes them absolutely ideal for maintenance and production applications. A built-in voltage reducing device is also available for added safety.



## PRINCIPLE OF OPERATION

The Reflex inverters utilise cutting-edge technology in combination with the latest power electronic switching devices available, to convert a high voltage DC BUS down to the required welding voltage. The high switching frequency provides an output dynamic response in excess of 10 kHz, which enables the converter to control the welding arc with great precision. The DC output current is controlled by means of feedback, and sufficient current boost is added to optimise the welding process.



## WELDING PERFORMANCE

The extremely high output dynamic response, precise control of the output current and sufficient striking voltage ensures easy striking, low spatter, and very smooth running. These features simplify the welding process significantly, and near-perfect welding is obtained with most electrode types.

PRIMARY	42 CELL			60 CELL		
	160A	200A	300A	160A	200A	300A
INPUT VOLTAGE	84 VDC ±15%	84 VDC ±15%	84 VDC ±15%	120 VDC ±15%	120 VDC ±15%	120 VDC ±15%
INPUT CURRENT	60A max	75A max	120A max	40A max	50A max	80A max
REVERSE POLARITY PROTECTION	Yes	Yes	Yes	Yes	Yes	Yes
SECONDARY						
DC WELDING CURRENT	160A/27V	200A/28V	300A/32V	160A/27V	200A/28V	300A/32V
DUTY CYCLE AT MAXIMUM OUTPUT	100 %	100 %	100 %	100 %	100 %	100 %
CURRENT RANGE	16 – 160A	20 – 200A	30 – 300A	16 – 160A	20 – 200A	30 – 300A
OPEN CIRCUIT VOLTAGE	15/60	15/60	15/60	15/60	15/60	15/60
CONSTANT CURRENT FOR DC TIG WELDING	Yes	Yes	Yes	Yes	Yes	Yes
ARC FORCE	Yes	Yes	Yes	Yes	Yes	Yes
MAX ELECTRODE DIAMETER	4 mm	5 mm	6,3 mm	4 mm	5 mm	6,3 mm
COOLING	Fan	Fan	Fan	Fan	Fan	Fan
DIMENSIONS	HEIGHT	220 mm	220 mm	240 mm	220 mm	240 mm
	WIDTH	200 mm	200 mm	200 mm	200 mm	200 mm
	LENGTH	380 mm	380 mm	480 mm	380 mm	380 mm
WEIGHT	10 kg	10 kg	17 kg	10 kg	10 kg	17 kg
BUILT-IN VOLTAGE REDUCER	Yes	Yes	Yes	Yes	Yes	Yes

Manufactured by

**REEFLEX**  
WELDING

Reeflex Welding (Pty) Ltd. Reg No 2009/000948/07  
Manufacturers of welding machines since 1981

PO Box 1035 Ferndale 2160  
83 Langwa Street Strydom Park Randburg  
Tel +27 11 792-3832 Fax +27 11 793-5457  
e-mail: sales@reeflex.co.za  
[www.reeflex.co.za](http://www.reeflex.co.za)