

REEFLEX®

INVERTER WELDER RANGE



REEFLEX 160

220 Volt – 160 Amp

REEFLEX 200

220 Volt – 200 Amp
380 Volt – 200 Amp
525 Volt – 200 Amp



Designed and
manufactured
in South Africa

100 % duty
cycle @
maximum
output

DC TIG
welding

**BUILT-IN
VOLTAGE
REDUCER**

Thermal &
input voltage
protection

440 volt
on request



REEFLEX 300

380 Volt – 300 Amp
525 Volt – 300 Amp
Dual 380/525

REEFLEX 400

380 Volt – 400 Amp
525 Volt – 400 Amp
Dual – 380/525



REEFLEX 500

380 Volt – 500 Amp
525 Volt – 500 Amp
Dual – 380/525



**2 YEAR
WARRANTY
ON ALL MODELS**



REEFLEX®

WELDING

MAIN BENEFITS

The Reeflex 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 Reeflex 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.

	REEFLEX 160	REEFLEX 200			REEFLEX 300		REEFLEX 400		REEFLEX 500	
PRIMARY										
MAINS VOLTAGE (50/60Hz)	220V 1 phase ±15%	220V 1 phase ±15%	380V 3 phase ±15%	525V 3 phase ±15%	380V 3 phase ±15%	525V 3 phase ±15%	380V 3 phase ±15%	525V 3 phase ±15%	380V 3 phase ±15%	525V 3 phase ±15%
INPUT CURRENT	28A	33A	10A per phase	7A per phase	15A per phase	12A per phase	28A per phase	20A per phase	40A per phase	30A per phase
DUAL VOLTAGE OPTION	No	No	No		Yes		Yes		Yes	
SECONDARY										
DC WELDING CURRENT	160A/27V		200A/28V		300A/32V		400A/36V		500A/44V	
DUTY CYCLE AT MAXIMUM OUTPUT	100 %		100 %		100 %		100 %		100 %	
CURRENT RANGE	16 – 160A		20 – 200A		30 – 300A		40 – 400A		50 – 500A	
OPEN CIRCUIT VOLTAGE	15/60V		15/60V		15/60V		15/65V		15/80V	
CONSTANT CURRENT FOR DC TIG WELDING LIFT ARC	Yes		Yes		Yes		Yes		Yes	
	Yes		Yes		Optional		Optional		Optional	
ARC FORCE	Adjustable		Adjustable		Adjustable		Adjustable		Adjustable	
MAX ELECTRODE DIAMETER	4 mm		5 mm		6.3 mm		Maximum		Maximum	
COOLING	Fan		Fan		Fan		Fan		Fan	
DIMENSIONS	Height	220 mm		220 mm		240 mm		270 mm		300 mm
	Width	200 mm		200 mm		200 mm		230 mm		240 mm
	Length	380 mm		380 mm		480 mm		510 mm		650 mm
WEIGHT	9 kg		10 kg			17 kg		23 kg		35 kg
BUILT-IN VOLTAGE REDUCER OPTION	Yes		Yes			Yes		Yes		Yes

Manufactured by

REEFLEX®
WELDING

Reeflex Welding (Pty) Ltd. Reg No 2009/00948/07
Manufacturers of welding machines since 1981

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