

LIGHT DUTY MMA RECTIFIERS

Tradesarc DC200



The Tradesarc DC200 will weld alloyed and non-alloyed steel, stainless steel and cast iron using electrodes up to 4.0mm.

Operating from a 230V single-phase supply the welding equipment is designed to work in harmony with the environment.

With the addition of a TIG torch with gas valve, a gas regulator and the appropriate cylinder of gas, the Tradesarc DC200 can be used for TIG welding on a range of materials including mild and stainless steel.

- Robust impact resistant polymer casing
- Built in accordance with IP23 for safe outdoor use
- Adjustable hot start – for improved weld starts
- Extra long mains cable capability
- Weighs only 8.3kg
- Adjustable hot start – for improved weld starts
- Adjustable arc force – sets the intensity of the arc for improved weld quality
- ArcPlus™ II – improved weld characteristics, higher quality wells with less need of post weld treatment
- Power factor correction – PFC
- Reliable, simple and easy to use

The machine is equipped with the latest Arcplus™ II, providing a more intense smooth and stable arc, which is easy to control. generating smaller droplets, the arc burns smoothly and eliminates the need to pause at the edges when weaving. The result being improved weld characteristics, a quality weld result with less need for post weld treatment.

Technical Specification

Tradesarc DC200	
Mains Voltage	230V, 1-50/60Hz
Mains Supply	Z _{max} 0.31 ohm
Primary current	
I _{max} TIG	24A
I _{max} MMA	25A
No-load power demand when in the energy saving mode, 6.5min after welding	30W
Voltage /current range MMA	4A/20V - 170A/26.8V
Voltage /current range TIG	3-220A
Permissible load at MMA	
100% duty cycle	110A/24.4V
60% duty cycle	130A/25.2V
25% duty cycle	170A/26.8V
Permissible load at TIG	
100% duty cycle	110A/14.4V
60% duty cycle	150A/16.0V
20% duty cycle	220A/18.8V
Power factor at maximum current	
TIG	0.99
MMA	0.99
Efficiency at maximum current	
TIG	75%
MMA	81%
Open circuit voltage MMA/TIG	
without VRD	55-60V
with VRD	< 35V
Operating temperature	-10 to +40°C
Transportation temperature	-20 to +55°C
Constant A-weighted sound pressure	< 70 dB
Dimensions L x W x H	418 x 188 x 208mm
Weight	8.3kg
Enclosure class	IP23
Application class	S



Ordering Information

Description	Part No
Tradesarc DC200 Package	0479100226
Comprises:-	
Tradesarc DC200 Power Source	0460441881
3m work return lead	
3m welding cable	
Instruction manual	

Optional Extras

Description	Part No
AT1 remote control	0459491896
AT1 coarse/fine remote control	0459491897
MMA1 remote control with 10m cable	0349501024
FS002 foot control	
burndy with 5m cable	0349090886
TIG scratch start kit	0701412652

Typical areas of application

Agricultural engineers, structural steel, automotive, shipbuilding, offshore and general fabrication.