

LIGHT DUTY MMA RECTIFIERS

Transarc DC250



The Transarc DC250 is a 400V three phase power source equipped with a PFC circuit making it possible to use the full range of the machine on a 10A fuse. The PFC also protects the machine against fluctuating mains voltage and makes it safer to use with a generator.

- Robust impact resistant polymer casing
- Built in accordance with IP23 for safe outdoor use
- Extra long mains cable capability
- Adjustable hot start – easy to strike the electrode. Helps to avoid starting problems
- Adjustable arc force – sets the intensity of the arc for improved weld quality
- Higher quality welds with less need for post weld treatment
- MMA or TIG weld up to 250A
- Small and portable-weighs only 10.5kg
- Runs on electrode up to 5mm

The compact design, with its impact resistant polymer casing is light and easy to carry. Large heat sinks and clever design make for a cooler running machine with a longer life expectancy when used in harsh working environments. The design also helps to keep all sensitive parts inside the machine clean and dust free. The Transarc DC250 is built in accordance with IP23, which means it can be used outdoors – even in the rain.

Technical Specification

Transarc DC250	
Mains Voltage	400V ± 15%, 3~50/60Hz
Mains Supply	Ssc min 3.3MVA
Primary current	
I _{max} TIG	10A
I _{max} MMA	14A
No-load power demand when in the energy saving mode, 6.5min after welding	30W
Setting Data	
current range MMA	4-250A
current range TIG	3-250A
Active panel	OFF or ON
Remote control unit	OFF or ON
Hot start	0-99%
Arc Force	0-99%
Drop welding (hidden Function)	OFF or ON
Permissible load at MMA	
100% duty cycle	150A/26V
60% duty cycle	190A/27.6V
30% duty cycle	250A/30V
Permissible load at TIG	
100% duty cycle	150A/16V
60% duty cycle	190A/17.6V
30% duty cycle	250A/20V
Power factor at maximum current	
TIG	0.93
MMA	0.94
Efficiency at maximum current	
TIG	79%
MMA	83%
Open circuit voltage MMA/TIG	
without VRD	65V
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	10.5kg
Enclosure class	IP23
Application class	<input type="checkbox"/> S



Ordering Information

Description	Part No
Transarc DC250 Package	0479100227
Comprises:-	
Transarc DC250 Power Source	0460300891
3m work return lead	
3m welding cable	
Instruction manual	

Optional Extras

Description	Part No
5m weld lead and electric holder	0701403213
5m work return lead and clamp	0701403214
TIG scratch start kit	0701412652
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

Typical areas of application

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