



The Fusion MA Range

Fusion 130 MA and 160 MA : Light Duty MMA & Scratch Start TIG Welding - for general maintenance welding.

Fusion 151 MA and 180 MA : High Duty (100% at full current) MMA & Scratch Start TIG Welding. 110V and 230V models respectively

Manufactured in a toughened IP23 S class nylon casing the Fusion MA Range is designed to endure all the rigors demanded of portable welding equipment both on site and in the workshop.

The single-phase 230V or 110V MA model options offer the ultimate choice in portable DC welding inverters. Software driven, the power source fitted with easy to use controls and a large digital output display meter, provides all the features required for MMA & Scratch Start TIG welding applications.

MMA welding with all Types of Electrodes including cellulosic up to 5.0mm in diameter is made easy with the MSD auto sensing arc force control that also provides for automatic hot-start electrode ignition. When activated a specially developed short circuit detection device switches the power converter off so electrode stick down is virtually eliminated.

Scratch Start TIG welding can be completed using an appropriate TIG welding torch. The mode control selector fitted allows for quick selection of either the MMA or scratch TIG welding mode.

	130 MA	160 MA	180 MA	151 MA
Input Voltage 50/60Hz +/-15% (V AC)	230	230	230	110
Input Fuse Rating (Amp SB)	13 SB	13 SB	22 SB	40 SB
Power Transformer Rating (KVA)	n/a	n/a	n/a	5
Power Generator Rating (KVA)	5	5	7	7
DC Power Output Amps (A)	20 - 130	20 - 160	20 - 180	20 - 150
TIG DC Power Out Amps (A)	20 - 130	20 - 160	10 - 180	10 - 150
100% Duty cycle @ MMA amps (A)	100	100	160	150
100% Duty cycle @ TIG Amps (A)	130	130	180	150
Max Open Circuit Voltage (V)	56	56	97	92
Power Factor @ 100%	0.71	0.71	0.71	0.71
Efficiency @ 100%	0.94	0.94	0.94	0.94
Enclosure Class	IP 23	IP 23	IP 23	IP23
Application Class	S	S	S	S
Weight (Kg)	6	6	8	8 Kg
Ambient Temperature	-10 <> +40 Degrees C			
Cooling Method	Forced Fan			
Standard	IEC 60974 CE Marked			

Warranty	24 Months Full Parts & Labour
Dimensions (mm)	L 365 X H 360 X W 220