

MMWMP240ACDCMT

Multi-Process AC/DC MIG/TIG/Stick Welder



CAPABILITIES:

DC Manual Metal Arc Welding (DC-MMA)
DC MIG/MAG Welding (DC MIG)
DC TIG Welding (DC-TIG)
AC TIG Welding (AC-TIG)
DC Pulse Welding (DC-PTIG)
AC Pulse TIG (AC-PTIG)



TECHNICAL SPECIFICATIONS		WELDING PARAMETERS			
Rated Input Voltage	120V±15% 50/60Hz 230V±15% 50/60Hz	Process	Rated Current	Pulse Frequency	AC Frequency
Maximum Input Current	24A (120V) 27A (230V)	MMA	10A - 80A (120V) 10A - 175A (230V)	N/A	N/A
Rated Input Capacity	4.1kVA 8.8kVA	DC TIG	10A - 125A (120V) 10A - 210A (230V)	N/A	N/A
Output No-Load Voltage	70V	DC PULSE TIG	10A - 125A (120V) 10A - 210A (230V)	0.2Hz - 300Hz	N/A
Rated Load Sustained Rate	30% (@40°C)	AC TIG	10A - 125A (120V) 10A - 210A (230V)	N/A	50Hz - 150Hz
Power Factor	≥0.99	AC PULSE TIG	10A - 125A (120V) 10A - 210A (230V)	0.2Hz - 300Hz	50Hz - 150Hz
Insulation Level	F	MIG	30A - 100A (120V) 30A - 200A (230V)	N/A	N/A
Enclosure Rating	IP21S				
Cooling Method	Fan				
Net Weight	69.88 lbs (31.7 kg)				

CONSISTENCY

The MMWMP240ACDCMT is an inverter AC/DC TIG and MIG welding machine that uses an MCU as its core processor. The MCU efficiently coordinates the welding machine and the entire welding process, enabling real-time monitoring and adjustment of both machine status and welding parameters. This ensures a high degree of consistency across all machines and delivers reliable, stable welding results.

POWER

The MMWMP240ACDCMT is equipped with a PFC (Power Factor Correction) function and can operate with an input voltage range of 100–250 V. During AC square-wave welding, the MCU provides real-time control of each waveform. This significantly reduces sharp arc noise and AC commutation noise, lowering noise-related fatigue for the welder and reducing tungsten electrode consumption.

VERSATILITY

The MMWMP240ACDCMT uses a specialized high-frequency arc ignition method, providing superior arc-starting performance. When adjusting welding parameters, precise parameter values and WYSIWYG (What You See Is What You Get) settings are displayed in real time on the digital panel. This allows accurate parameter adjustment, precise process control, and consistently excellent welding results.