

MIG-185/250



Product Introduction

This series is IGBT inverter DC MIG welding machine with single PCB technology, with single phase 220V AC power supply. Designed with robust and thermally protected function, this series machine has impressive welding characteristics for steel and stainless steel. Using peak current PWM control mode can increase the reliability together with highly efficient and low energy consumption on the machine.

MIG-185 machine designed with multi-process function, which are MMA, MIG, LIFT TIG.

Product	Output			Input		Features			
	CC/CV	AC/DC	Current Range (A)	Voltage (V)	Frequency (Hz)	MIG/CO ₂	Flux cored wire	Digital control	Lift TIG
MIG-185	CC	DC	40-185	220	50/60	●	●	●	●
MIG-250	CC	DC	40-250	220	50/60	●	●	●	●

○ Excellence ● Option ● Standard

Specifications

Product	MIG-185	MIG-250
Input Voltage	1P 220V ± 15%	1P 220V ± 15%
No-load Voltage	63V	68V
Rated Output Current	MIG:185A/23.25V LIFT TIG:160A/16.4V	MMA:160A/26.4V 250A/29V
Output Current Range	MIG:40-185A LIFT TIG:10-160A	MMA:20-160A 40-250A
Rated Duty Cycle	30%	50%
Rated Output current	33A	13A
Rated Input Capacity	7.3KVA	8.5KVA
Efficiency (η)	≥85%	≥89%
COS φ	0.9	0.9
Insulation Class	F	H
Protection Class	IP21S	IP21S
Electrode(mm)	Φ0.8, Φ1.0	Φ0.8, Φ1.0
Dimension (L × W × H mm)	494 × 210 × 389	617 × 310 × 647
Weight	14KG	36KG

Accessories

MIG Torch



• 3m MIG torch

Earth clamp Set



• 1.8m cable + earth clamp

Regulator



• 1pc regulator

Welding Specifications

Base metal	Thickness(mm)	Wire diameter	Welding current	Applicable models
Low carbon steel	2~3mm	0.8	50A~150A	MIG-185/250
Low alloy steel	2~3mm	1.0	90A~250A	MIG-250