

# Rebel™ 235ic Series Welding Machines

## 120/230V Industrial Multi-Process Packages



Rebel EM 235ic

Rebel EMP 235ic

Introducing EM and EMP 235ic – the next series of Rebel™ welding machines that offer TRUE multi-process performance in a portable package. When it comes to getting around and getting work done, Rebel 235ic is second to none. It's the most mobile welder in its class and has the power and performance to crush even the most demanding jobs.

Two models to choose from\*:

1. Rebel EMP 235ic for MIG/TIG/Stick
2. Rebel EM 235ic for MIG

*\*Each model is capable of only stated processes.*

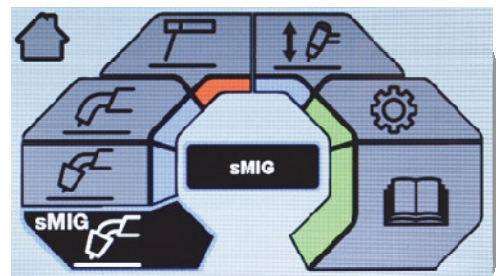
### Industry

- General Fabrication
- Maintenance & Repair
- Construction
- Mechanical Contractors
- Automotive and Restoration
- Farm & Ranch
- HVAC
- Training Schools

- True Multi-Process – excellent performance on MIG, TIG and STICK.
- Unmatched Portability – weighing in at 53 lbs. (24 kg) with dual voltage capability and 4 handle roll cage. Detach the Rebel 235ic from its cart and tackle any job around the shop or out at the job site.
- Power to Perform – have the confidence with Rebel 235ic to run the full range of .035 in. (0.9 mm) wire – short arc and spray transfer. Also up to .045 in. (1.2 mm) solid wire and up to .052 in. (1.4 mm) cored wire. Plus, rods up to 5/32 in. (4.0 mm) and TIG rods up to 3/16 in. (5.0 mm)
- sMIG Technology - innovative “smart-MIG” feature that dynamically monitors the arc characteristics ultimately adapting to your technique resulting in a smooth, stable arc. Set wire diameter and plate thickness and you are ready to weld.



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Large 4.3 LCD – TFT Display

# Rebel™ 235ic Series Welding Machines

Specifications	
Maximum Output	250 A / 30 V
MIG (GMAW/FCAW) Welding Output @ 104°F (40°C)	120 A/19 V @ 40% Duty Cycle (120 V)
	235 A/26 V @ 40% Duty Cycle (230 V)
STICK (SMAW) Welding Output @ 104°F (40°C)	90 A/23.6 V @ 40% Duty Cycle (120 V)
	210 A/28.4 V @ 40% Duty Cycle (230 V)
TIG (GTAW) Welding Output @ 104°F (40°C)	130 A/15.2 V @ 40% Duty Cycle (120 V)
	240 A/19.6 V @ 40% Duty Cycle (230 V)
Current Range	5 – 150 A (120V), 5 – 250A (230V)
MIG Welding Voltage Range	10 – 30V
Wirefeed Speed Range	60 – 700 ipm (1.5 – 17.89 m/min)
Nominal OCV Volt/DC	90 VDC
Maximum Plate Thickness	1/2 in. (12.7 mm)
Wire Diameter Range: Mild Steel Stainless Steel Aluminum Flux Cored	.023 – .045 in. (0.6 – 1.2 mm) .030 – .045 in. (0.8 – 1.2 mm) .030 – 3/64 in. (0.8 – 1.2 mm) .030 – .052 in. (0.8 – 1.3 mm)
Spool Size Capacity	4, 8 & 12 in. (100, 200 & 300 mm)
3rd Party Approvals	CSA E60974-1-00 / UL60974-1 / IEC 60974-1
Protection Class	IP23S
Power Source Dimensions (H x W x D)	26.5 x 11.5 x 19.5 in. (673 x 292 x 495.3 mm)
Power Source Weight	53 lbs. (24 kg)
Primary Voltage	120 VAC, 208/230 VAC
Supply Voltage Range	90 V – 270 V
Number of Phases	Single Phase
Supply Frequency	50/60 Hz
Supply Plug	NEMA 6-50P (230 V)
Lead Cord Length	10 ft. (3 m)

Ordering Information	
Description	Part Number
EMP 235ic System	0558012702
EMP 235ic System with Cart	0558012704
EM 235ic System	0558012701
EM 235 System with Cart	0558012700

All packages include power supply, Tweco SprayMaster 250 MIG gun, Victor argon flowmeter regulator, 12.5 ft. (3.8 m) hose, return clamp with leads, drive rolls and contact tips, .035 in. (0.9 mm) wire, power adapter, and operator's manual.

Rebel EMP 235 includes the above plus electrode holder and ESAB Atom Arc 7018 electrodes.

Rebel EMP/EM 235ic with Cart packages (0558012704 and 0558012700) also include single cylinder cart.

# Rebel™ 235ic Series Welding Machines

Options & Accessories	
Description	Part Number
ESAB TXH 201 5/8 npt 12.5 ft. (3.5 m) TIG Torch Outfit	0558102493
Tweco 200A 12 ft. Spool Gun	1027-1398
Remote Foot Control	W4014450
Rebel Single Cylinder Cart	0558102491
Rebel Dual Cylinder Cart	0558102492

Wear & Spare Parts	
Spray Master 250 MIG Gun, 15 ft. (3.5 m)	1023-1140
Tweco HD 22 Series 3/8	1220-1305
Tweco HD 22 Series 1/2	1220-1306
Universal Conduit Liner	1420-1113
Tweco series 11 Contact Tip, .023 in. (0.6 mm)	1110-1100
Tweco series 11 Contact Tip, .030 in. (0.8 mm)	1110-1101
Tweco series 11 Contact Tip, .035 in. (0.9 mm)	1110-1102
Tweco series 11 Contact Tip, .045 in. (1.2 mm)	1110-1104
Tweco T electrode holder	9110-1122
Tweco 200 A Ground Clamp w/Lead, 10 ft. (3 m), 50 mm Dinse	1201-9585
Victor HRF 1400 Argon Flowmeter Regulator	0781-2743
Gas Hose, 12.5 ft. (3.5 m), Male 5/8-18UNF	W4013900
Power Adapter - 230V to 120V, 15A	W4014000
Drive Rolls and Guide Tubes	
.023/.035 in. (0.6/0.9 mm) V Groove for steel & stainless wires	W4014800
.023/.030 in. (0.6/0.8 mm) V Groove for steel & stainless wires	7977036
.035/.045 in. (0.9/1.2 mm) V Groove for steel & stainless wires	7977660
.030/.035 in. (0.8/0.9 mm) V Knurled Groove for flux cored wires	7977732
.035/.045 in. (0.9/1.2 mm) V Knurled Groove/flux cored wires	0349312497
.030/.035 in. (0.8/0.9 mm) U Groove/Al wire	7977731
.040/3/64 in. (1.0/1.2 mm) U Groove/Al wire	7977264
.023 – .030 in. (0.6 – 0.8 mm) guide tube	0558102460
.035 – .052 in. (0.9 – 1.2 mm) guide tube	0558102461
.030 – .035 in. (0.8 – 0.9 mm) guide tube (Aluminum)	0558102455
.040 – 3/64 in. (1.0 – 1.2 mm) guide tube (Aluminum)	0558102456



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