

MigMatic® 175

MIG Welding
Power Source 

Quick Specs



Industrial Applications

Light fabrication
Auto body repair
Rental shops
Maintenance repair

Processes

MIG/MAG (GMAW)
Flux-cored (FCAW)

Input Power 230 V, 1-phase, 50/60 Hz

Rated Output 150 A at 21 VDC, 30% duty cycle

Wire Feed Speed 1.8–18 mpm (70–708 ipm)

Net Weight 43.3 kg (95.5 lb.)

Manual mode allows simple adjustment of parameters for welding on a broad range of applications.

Industrial dual-gear-driven system features no-tool, quick-change reversible drive roll (0.6/0.8 mm) and an easy-to-set tension adjustment knob.

Easy access to output terminals provides **convenient polarity changeover** when changing to solid or flux-cored wires.

Thermal overload protection shuts down the power source output if the main transformer or rectifier overheats.

Fan cooled. Provides a constant flow of cooling air over the critical components, ensuring consistent performance.

Traditional tapped design (6 steps) and laminated inductor provide a stable, smooth arc for consistent weld quality.



MigMatic 175 shown with work cable and optional MIG gun.

Industrial MIG system includes:

- Power source
- 3 m (10 ft.) heavy-duty work cable with clamp
- 0.6/0.8 mm (.023/.030 in.) dual-groove quick-change drive roll
- Running gear/bottle rack

Euro-style torch adapter allows quick and easy installation of professional-style torches, and also allows the operator to have a separate torch for other applications.

15-kilogram spool capacity and professional-style reel holder permit the use of larger, more economical reels of MIG wire without the need for additional spool adapters.

Running gear and bottle rack. The built-in undercarriage and bottle carrier allow easy operator manoeuvrability of the power source and ancillaries.



Warranted for two years, parts and labour.



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Specifications (Subject to change without notice.)



Amperage/ Voltage Ranges	Rated Output	IP Rating	Amps Input at Rated Output, 230 V, 50/60 Hz	Max. Open- Circuit Voltage	Wire Feed Speed	Wire Type and Diameter	Dimensions	Net Weight
30–150 A, 15–21 V	150 A at 21 VDC, 30% duty cycle	IP21S	21	34 VDC	1.8–18 mpm (70–708 ipm)	Solid steel: 0.6–0.8 mm (.023–.030 in.) Aluminium: 0.8–1.0 mm (.030–.040 in.) Flux-cored: 0.6–0.8 mm (.023–.030 in.)	H: 561 mm (22.1 in.) W: 447 mm (17.6 in.) D: 769 mm (30.25 in.)	43.3 kg (95.5 lb.)

All CE models conform to the applicable parts of the IEC 60974 series of standards.

Drive Rolls and Wire Guides

Select drive rolls from chart below according to type and wire size being used.

Wire Size	“V” Groove Drive Roll for hard wire	“U” Groove Drive Roll for soft wire or soft-shelled cored wires	“V” Knurled Drive Roll for hard-shelled cored wires	Pressure Roll	Wire Inlet Guide
0.6/0.8 mm (.023/.030 in.)	156053046	—	156053047*	156017168*	056100110*
0.8/1.0 mm (.030/.040 in.)	—	—	156053081		

*Included with MigMatic 175.

Ordering Information

Power Source	Stock No.	Description	Qty.	Price
MigMatic® 175	029015550	230 V, single-phase, 50/60 Hz		
Accessories				
Drive Rolls and Wire Guides		See chart above		
Bernard™ MIG Gun	Q2010TE3DEQ	Air-cooled, 200 A, 3 m (10 ft.), TOUGH LOCK™ consumables		

Date: Total Quoted Price:

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