Issued Dec. 2017 • Index No. DCM/9.0 UK

MigMatic® 220/220 DX

MIG Welding Power Source

Quick Specs

Industrial Applications
Auto body repair
Trailer fabrication
Container repairs
Exhaust manufacture
Maintenance repair

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

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

Rated Output 200 A at 24 VDC, 20% duty cycle

Wire Feed Speed 1.0–20 mpm (39–790 ipm)

Net Weight 66 kg (146 lb.)



MigMatic 220 DX

MigMatic 220
Weld Ready package

Weld Ready packages include:
- Heavy-duty power source
- 3 m (10 ft.) heavy-duty work cable with clamp
- 0.8/1.0 mm (.030/.040 in.) dual-groove quick-change drive roll
- Heavy-duty running gear/ bottle rack
- 3 m (10 ft.) Bernard™ Q2010TE3DEQ MIG gun and cable assembly
- 3 m (10 ft.) gas hose
- Two 1.0 mm (.040 in.) contact tips

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

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

Industrial dual-gear-driven system features no-tool, quick-change reversible drive roll (0.8/1.0 mm) and an easy-to-set tension adjustment knob.

Professional wire drive motor withstands even the most demanding applications!

Superior arc control technology provides the operator with state-of-the-art welding performance on a wide variety of materials.

Traditional tapped design (10 steps) and laminated inductor provide a stable, smooth arc for consistent weld quality.

Consumable compartment provides convenient storage for contact tips, drive rolls and more.

Ergonomic, easy-to-operate controls simplify setup without minimizing features or welding performance.

Adjustable run-in control allows the operator to optimize arc starting with a variety of different wires.

Adjustable burnback control reduces wire stubbing, arc flaring and prevents wire burnback to protect contact tips.

Spot weld timer provides consistent spot welds every time (base models only).

Synergic user interface with digital display to simplify setup and offer precise settings for welding a variety of materials (DX models only).

TRUE BLUE® 3YR. WARRANTY

Warranted for three years, parts and labour.

Miller®

ITW Welding – BV
Edisonstraat 10
P.O. Box 1551
NL-3261 LD Oud-Beijerland,
Netherlands
TEL: +31 (0) 186 641 444
FAX: +31 (0) 186 640 880

International Headquarters
Miller Electric Mfg. Co.
An Illinois Tool Works Company
1635 W. Spencer Street
Appleton, WI 54914 USA
TEL. : +1 920 735 4554
FAX : +1 920 735 4125
MillerWelds.com

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
30–200 A, 15–21 V	200 A at 24 VDC, 20% duty cycle	IP23S	34	40 VDC	1.0–20 mpm (39–790 ipm)	Solid steel: 0.6–1.2 mm (.023–.045 in.) Stainless steel: 0.8–1.0 mm (.030–.040 in.) Aluminium: 0.8–1.2 mm (.030–.045 in.) Silicon bronze: 0.8–1.0 mm (.030–.040 in.) Flux-cored: 0.9–1.2 mm (.035–.045 in.)	H: 712 mm (28 in.) W: 480 mm (18.875 in.) D: 920 mm (36.187 in.)	66 kg (146 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.)	**156053051**	—	—	**156053112***	**156090022***
0.8/1.0 mm (.030/.040 in.)	**156053109***	**156053053**	—		
1.0/1.2 mm (.040/.045 in.)	**156053052**	**156053054**	**156053110**		

**Included with MigMatic 220/220 DX.*

Ordering Information

Power Source	Stock No.	Description	Qty.	Price
MigMatic® 220 Weld Ready Package	**029083116**	230 V, single-phase, 50/60 Hz with MIG gun		
MigMatic® 220 DX Weld Ready Package	**029083117**	230 V, single-phase, 50/60 Hz with MIG gun		
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:**

Distributed by:

Miller®
The Power of Blue®

©2017 Miller Electric Mfg. Co.