

Migmatic® 220/220 DX

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**MIG Arc Welding
Power Source**



Quick Specs



Applications

Auto Body Repair
Trailer Fabrication
Container Repairs
Exhaust Manufacture
Maintenance Repair

Process

MIG
Flux Cored

Input Power: 230 V 1 Phase

Rated Output: 200 A at 24 VDC 20% DC

Wire Feed Speed: 1.3 - 20 m/min.

Weight: 64,0 kg

The Power of Blue.®

DX model Features easy-to-use Synergic user interface with digital display makes set up very simple and gives you precise settings for a variety of materials instantly.

Manual Mode allows you to manually set weld parameters for broader applications.



Spool-Gun with Auto-Detect provides reliable and economical welding of aluminium. (DX models only)

Thermal overload protection
Shuts down the power source output, if overheating of either the main transformer or rectifier occurs.

Industrial dual-gear-driven, features no-tool, quick-change reversible drive rolls (0,8 - 1,0 mm) an easy-to-set, scaled, tension adjustment knob.

Professional wire drive motor tackles even the most demanding applications!



Ergonomic, easy to operate controls
Allows the operator to set-up.

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

Industrial MIG Systems with:

- H/Duty power source
- 10 Voltage steps
- H/Duty wire feed system
- 0.8/1.0 mm drive rolls
- H/Duty ground cable and clamp
- H/Duty Running gear and Bottle rack

Traditional tapped design and Laminated Inductor provides a stable, smooth Arc operators appreciate.

Convenient consumable compartment provides convenient storage space for contact tips, nozzles, drive rolls etc.

Adjustable Run-In control allows the user to optimise arc starts reducing wire stubbing or arc flaring. (DX models only)

Spot Weld Timer provides consistent spot welds every time. (Base models only)

Adjustable Burn-back controls allows the user to optimise arc starts and stops, reducing wire stubbing or wire burning back into the contact tip.



Power source is warranted for 3 years, parts and labour.



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Specifications



Rated Output	Voltage Range	Wire Type and Diameter	Amps Input at rated output, 50 Hz, 230 VAC	Max. Open-Circuit Voltage	Wire Feed Speed	Dimensions
200 A at 24 VDC 20% Duty Cycle	18-40 V	Solid Wire: 0.6 - 1.2 mm Flux cored: 0.9 - 1.2 mm Stainless Steel: 0.8 - 1.0 mm Silicon Bronze: 0.8 - 1.0 mm Aluminum: 0.8 - 1.2 mm Aluminum Spool Gun: 0.8 - 1.0 mm	35	40,2 VDC	1.3 - 20 m/min.	H: 575 mm W: 350 mm D: 920 mm

Drive Roll & Drive Roll Kits

Wire Size	V- groove	U- groove	V- groove, knurled
0,6/0,8 mm	156 053 051		
0,8/1,0 mm	156 053 109	156 053 053* 156 053 111 (Spool-Gun only)	
1,0/1,2 mm	156 053 052	156 053 054	156 053 110

* Supplied

Ordering Information

Power Source	Stock No.	Description
Migmatic 220	029 015 520	230 VAC, 1 Phase, 50 Hz
Migmatic 220 DX	029 015 521	230 VAC, 1 Phase, 50 Hz
Accessories		
Drive Roll Kit		See Drive Roll Kits table above
Spool-Gun (DX models only)	058 020 018	Spool-Gun with Euro adapter and plug Amphenol
Spool-Gun with carrying case (DX models only)	058 020 019	Spool-Gun with Euro adapter, carrying case and plug Amphenol