

MigMatic® 380/380 DX

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**MIG Arc Welding
Power Source**



Quick Specs



Industrial Applications

Construction
Trailer Fabrication
Excavator Bucket Repair
Rental Fleets
General Fabrication

Processes

MIG/MAG (GMAW)
Flux Cored (FCAW)

Input Power

3-Phase, 230/400 VAC, 50/60 Hz or
3-Phase, 400 VAC, 50/60 Hz

Rated Output

350 Amps at 31.5 VDC, 35% Duty Cycle

Wire Feed Speed

1.3–26 MPM (51–1000 IPM)

Weight

Net: 102.6 kg (227 lb)
Ship: 118 kg (260 lb)

The Power of Blue.®

DX model features easy-to-use **Synergic user interface** with digital display to simplify set up and offer precise settings for welding a variety of materials.

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 4-gear-driven system features no-tool, quick-change reversible drive rolls (1.0/1.2 mm) and an easy-to-set tension adjustment knob.

Professional wire drive motor withstands even the most demanding applications!

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



MigMatic 380 DX

MigMatic 380

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

Superior arc control technology and high/low inductance taps provide the operator with state-of-the-art welding performance on a wide variety of materials.

Industrial MIG System with:

- Heavy-duty power source
- 20 voltage steps
- Heavy-duty wire feed system
- 1.0/1.2 mm drive rolls
- Heavy-duty ground cable and clamp 3 m, 35 mm²
- Heavy-duty running gear/bottle rack

Spot weld timer provides consistent spot welds every time (MigMatic 380 only).



Adjustable wire run-in and burnback controls allow operator to optimise arc starts and stops with a variety of wire sizes, and reduce wire stubbing or wire burning back into the contact tip (MigMatic 380 DX only).

2T/4T latching gun trigger allows operator to weld for extended periods, without having to maintain pressure on torch trigger (MigMatic 380 DX only).



Warranted for 3 years, parts and labour.



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Specifications (Subject to change without notice.)



Model	Rated Output	Max. OCV	Voltage Range	Amps Input at Rated Output, 50/60 Hz, 230/400 VAC	Wire Type and Diameter	Wire Feed Speed	Dimensions
MigMatic 380/380 DX	350 A at 31.5 VDC, 35% Duty Cycle	43 VDC	17/43 Volts	40/23	Solid Steel: 0.6–1.2 mm (.023–.045 in) Flux Cored: 0.9–1.2 mm (.035–.045 in) Stainless Steel: 0.6–1.0 mm (.023–.040 in) Silicon Bronze: 0.8–1.0 mm (.030–.040 in) Aluminum: 0.8–1.2 mm (.035–.045 in)	1.3–26 MPM (51–1000 IPM)	L: 1066 mm (42 in) W: 471 mm (18-1/2 in) H: 825 mm (32-1/2 in)

Drive Roll Kits

Wire Size	"V" Groove 2 Roll Kit	"V" Groove 4 Roll Kit	"V" Groove Drive Rolls	Wire Guides		"U" Groove 2 Roll Kit	"U" Groove 4 Roll Kit
				Inlet Guide	Intermediate		
0.6 mm (.023 in)	087 131	087 132	087 130	056 192	056 206	—	—
0.8 mm (.030 in)	079 594	046 780	053 695	056 192	056 206	—	—
0.8/1.0 mm (.030/.040 in)	204 579	—	203 526	056 193	056 207	—	—
0.9 mm (.035 in)	079 595	046 781	053 700	056 193	056 207	056 192	044 750
1.0/1.2 mm (.040/.045 in)	—	—	189 285*	056 193*	056 207*	—	—
1.2 mm (.045 in)	079 596	046 782	053 697	056 193	056 207	056 193	046 785
1.3/1.4 mm (.052/.056 in)	046 783	046 783	—	056 195	056 209	056 193	046 786

*Supplied

Ordering Information

Power Source and Options	Stock No.	Description	Qty.	Price
MigMatic® 380	#029 015 542	400 VAC, 3 Phase, 50/60 Hz		
MigMatic® 380 DX	#029 015 543	400 VAC, 3 Phase, 50/60 Hz		
MigMatic® 380	#029 015 547	230/400 VAC, 3 Phase, 50/60 Hz		
MigMatic® 380 DX	#029 015 548	230/400 VAC, 3 Phase, 50/60 Hz		
Accessories				
Drive Roll Kit		See Drive Roll Kits table above		

Date: _____ Total Quoted Price: _____



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