

Migmatic® 300

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MIG Arc Welding
Power Source



Quick Specs



Applications

Construction
Trailer Fabrication
Excavator Bucket Repairs
Rental Fleets
Maintenance Repair

Process

MIG
Flux Cored

Input Power:

230/400 V 3 - Phase

Rated Output:

300 A 35% DC at 40° C

Wire Feed Speed:

2 - 26 m/min.

Weight:

88,0 kg

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The Power of Blue.®

Choose from 2 models

A base model equipped with the most common features and a deluxe model equipped with all features including semi synergic control.

Digital meters

both models are equipped with a digital meter. This meter shows current, voltage or wire feed speed. Choose the preferred readout by pushing the selector.

Adjustable Run- In and Burnback

allows the user to optimise arc starts & stops, reducing wire stubbing or wire burning back onto the contact tip.

Thermal Protection

With indicator light. Prevents damage when there is a risk of overheating, due to over duty cycle or reduced airflow.

2-4 Step trigger mode with gas preflow and post flow function in 4 step mode. For ease of use during long welds.

Built-in Spot-weld feature

provides consistent timed welds. (only Basic model)



Industrial MIG Systems with:

- Heavy duty transformer
- 20 voltage steps
- 1 choke connection
- Heavy duty wire drive
- 0.8 - 1.0mm drive rolls
- Standard with running gear and bottle rack

Professional 2 roll driven wire drive.



Synergic control with programs for steel, stainless, aluminium and Mig Brazing (Only on the deluxe model).

20 voltage steps enough for precise adjustment of the welding voltage.

One choke connection.

With optimal inductance for the most common applications.

Superior welding characteristics.

Due to the modern transformer design, excellent starting and a very stable welding arc. Suitable for a wide range of applications.



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



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Specifications



Input Voltage	Rated Output	Voltage Range	Wire Type and Diameter	Wire Feed Speed	Max. Open-Circuit Voltage	Dimensions	Weight
400 V /3ph 230/400V/3ph	300 A @ 35% Duty Cycle	12-35 V	Solid Wire: 0.6 - 1.2 mm Aluminum: 0.8 - 1.2 mm Flux cored: 0.9 - 1.2 mm	2 - 26 m/min	43,5 VDC	H: 825 mm W: 471 mm D: 1066 mm	88,0 kg

Drive Roll & Drive Roll Kits

Wire Size	V- groove kit	V- groove kit knurled	V- groove Only	Inlet Guide Standard	U- groove kit	Inlet Guide Nylon
0,6 mm	087 131		087 130	056 192		
0,8 mm	079 594		053 695	056 192		
0,8/1,0 mm*	204 579		203 526	056 192		
0,9 mm	079 595	079 606	079 606	056 192	044 749	151 203
1,0/1,2 mm			189 285	056 193		
1,2 mm	079 596	079 607	046 793	056 193	079 599	151 203
1,3/1,4 mm	046 783	079 608	046 794	056 193	079 600	151 205

* Supplied.

Ordering Information

Power Source	Stock No.	Description
Migmatic 300	029 015 540	Standard model 400 VAC
Migmatic 300 DX	029 015 541	Deluxe model 400 VAC
Migmatic 300	029 015 545	Standard model 230/400 VAC
Migmatic 300 DX	029 015 546	Deluxe model 230/400 VAC
Accessories		
Drive Roll Kit		See Drive Roll Kits table above
Elga Maxex	On request	Gasregulator with 2 manometers Argonmix gas (2-30 ltr) Gas Cylinder Connection 24,32 x 14/1" - 3/8"R
Bernard Guns	Q30 12A E8D E	300 A, 3,7 m, Centerfire

