

# Migmatic® 300

April 2011 • Index Nr. MN/--

**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

**S IP 22**

## 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.

**TRUE BLUE**  
3YR. WARRANTY

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	<b>087 131</b>		<b>087 130</b>	<b>056 192</b>		
0,8 mm	<b>079 594</b>		<b>053 695</b>	<b>056 192</b>		
0,8/1,0 mm*	<b>204 579</b>		<b>203 526</b>	<b>056 192</b>		
0,9 mm	<b>079 595</b>	<b>079 606</b>	<b>079 606</b>	<b>056 192</b>	<b>044 749</b>	<b>151 203</b>
1,0/1,2 mm			<b>189 285</b>	<b>056 193</b>		
1,2 mm	<b>079 596</b>	<b>079 607</b>	<b>046 793</b>	<b>056 193</b>	<b>079 599</b>	<b>151 203</b>
1,3/1,4 mm	<b>046 783</b>	<b>079 608</b>	<b>046 794</b>	<b>056 193</b>	<b>079 600</b>	<b>151 205</b>

\* Supplied.

## Ordering Information

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



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