

# RAGNAMIG 303 C-DUALPULSE

**RAGNAR**  
WELDING



## RAGNAMIG 303 C-DUALPULSE at a glance

RAGNAMIG 303 C-DUALPULSE is a 3ph compact MIG DUAL PULSE welder with additional TIG and MMA capabilities, ideal for light/medium fabrication on steel and other materials like aluminium.

Featuring a wide range of SYN curves in MIG PULSE and MIG STANDARD modes, as well as TIG LIFT and MMA welding processes, it has built-in remote torch capabilities to meet even the most professional welding needs

Thanks to its chassis and industrial grade wheels, this MIG DUAL PULSE machine can transport heavy gas cylinders and move around the job site easily and safely.

**2 YEARS WARRANTY**

## RAGNAMIG 303 C-DUALPULSE MAIN FUNCTIONS

### MIG DUAL PULSE, MIG SINGLE PULSE, LIFT TIG AND MMA (STICK) PROCESSES

It features MIG DUAL and SINGLE PULSE, MIG SYNERGIC, MIG MANUAL Gas / Gasless, Lift TIG and MMA (Stick) welding processes.

### MIG SINGLE PULSE AND DUAL PULSE WELDING

This high-tech MIG welding machine offers excellent penetration and the best aesthetic welding results, especially for aluminium. It reduces porosity and spatter, creating fishscale welds that require very little cleaning

### SYNERGIC MIG WELDING

Punch in your wire type, wire diameter and gas and let the machine set the perfect welding parameters for your work and for your material thickness. Feeling like you welding on your own terms? Manual MIG allows to set your own voltage and wire feed speed

### TORCH TRIGGER MODES

2T Trigger Mode and 4T Trigger Mode available.

### SPOOL-GUN AND MIG REMOTE TORCHES

Accepts Spool-Gun in Mig mode and capable of using MIG torches with remote control

### JOB STORAGE

Save your welding preferences on one of 10 JOB slots and retrieve them any time for great time saving and efficiency.

### MMA PROCESS (STICK)

Capable of welding all types of common used STICK welding electrodes, such as 6013, 7018 etc. Anti-Sticking will reduce the output current after senses the electrode contact with the metal for a prolonged period. Auto Hot Start boosts the current during starting for quicker ignition. Arc Force (Adjustable) gives additional amperage during low voltage (short arc length) conditions while welding and helps avoid "sticking" electrodes to the workpiece.

### LIFT TIG PROCESS

Capable of welding TIG with Lift Arc Start, with features like 2T/4T torch trigger and adjustable down slope time.

### DIMENSIONS

930\*490\*930mm, 60.8Kg

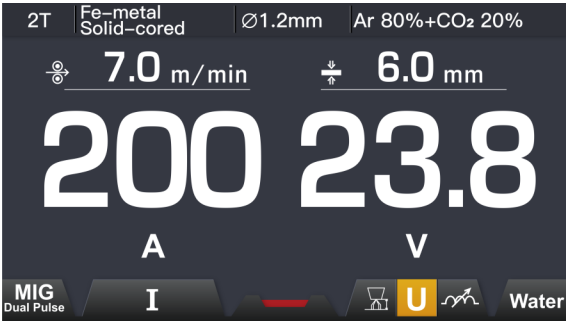
### DUAL COOLING OPTIONS

Integrated water cooling unit allows the use of Mig water cooled torches and alarms in case of malfunction of the water circulation.

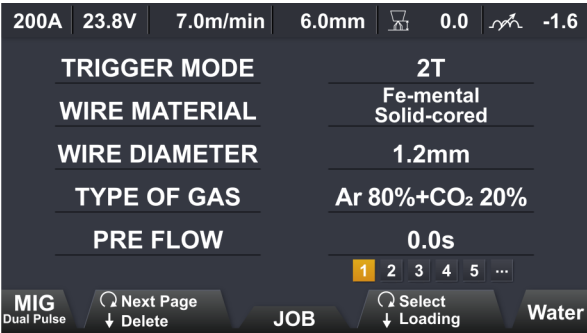
### LCD DISPLAY

Large and bright LCD Display for easy menu navigation

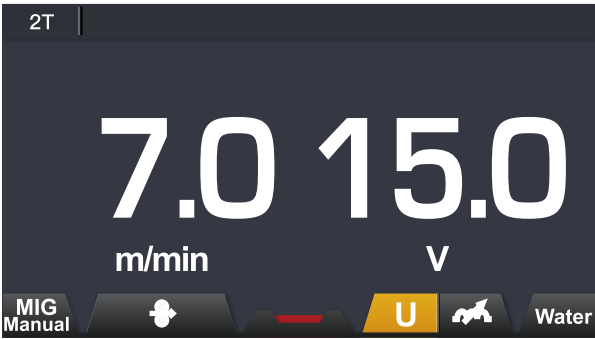
DASHBOARD / WELDING MENU



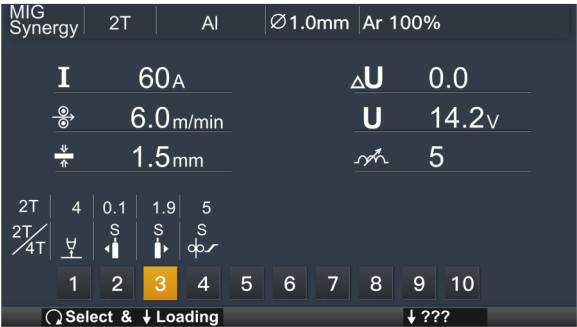
MIG SYNERGIC MODE SETTING



MIG MANUAL MODE SETTING



JOB STORAGE MODE



SPOOL GUN

Allows the use of Spool Guns, for superior convenience, particularly with aluminum wire.



REMOTE MIG TORCH

Allows to control the welding parameters remotely in MIG mode.

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## TECHNICAL DATA

PARAMETERS			
Input Voltage (V)		3ph 400V	
	MMA	TIG	MIG
Max Input Current (A)	22	16.5	20.5
Input Power (KW)	15.4	11.3	14.3
Welding Current (A)	10-300		20-300
No- load Voltage (V)	73	73	74.5
Duty cycle (40°C)	60% 300A		100% 235A
	100% 235A		

Wire Diameter (mm)	SYN	PULSE
	Fe: 0.8/0.9/1.0/1.2	CuSi3: 0.8/0.9/1.0/1.2
	Flux-Cored: 0.9/1.0/1.2	Fe: 0.8/0.9/1.0/1.2
	CuSi3: 0.9/1.0/1.2	AlMg5: 0.9/1.0/1.2
	SS: 0.9/1.0/1.2	SS: 0.9/1.0/1.2
		Flux-Cored: 1.2
		AlSi5:1.0/1.2
		Al99.5:1.2
		CuAl8:1.2
Cooling	AF-WC	
Protection class	IP21S	
Dimensions (mm)	930*490*930	
Weight (Kg)	60.8kg	

# RAGNAMIG 303 C-DUALPULSE

## PACKAGE INCLUSIONS (AIR COOLED)



- RAGNAMIG 303 C-DUALPULSE POWER SOURCE
- WELDING TORCH MIG 36 4M
- EARTH CABLE 25MM2 4M & EARTH CLAMP 500A
- GAS HOSE 3M WITH QUICK FIT CONNECTOR
- SPARE FEEDER ROLLS 1.0-1.2 V
- SPARE FEEDER ROLLS 1.0-1.2 U

# RAGNAMIG 303 C-DUALPULSE

## PACKAGE INCLUSIONS (WATER COOLED)



- RAGNAMIG 303 C-DUALPULSE POWER SOURCE
- WELDING TORCH MIG 501D 4m
- EARTH CABLE 25MM2 4M & EARTH CLAMP 500A
- GAS HOSE 3M WITH QUICK FIT CONNECTOR
- SPARE FEEDER ROLLS 1.0-1.2 V
- SPARE FEEDER ROLLS 1.0-1.2 U



## **RAGNAMIG 303 C-DUALPULSE**

### **ORDERING INFORMATION & OPTIONAL ACCESSORIES**

**RM.303.01P – RagnaMig 303 S-DUALPULSE Package (Air Cooled)**

**RM.303.02P – RagnaMig 303 S-DUALPULSE Package (Water Cooled)**

**ICT2999-36 – Welding Torch MIG 36 4m**

**ICT2799-36 – Welding Torch Mig 25 4m**

**ICH2399-36 – Welding Torch 501D 4m Water Cooled**

**7.602.450-A – Welding Torch 501D 4m remote Water Cooled**

**RACC.2500001 – Earth Cable 25mm<sup>2</sup> 3m & Earth Clamp 300A**

**RACC.2500002 – Welding Cable 25mm<sup>2</sup> 3m & Electrode Holder 300A**

**RACC.G000001 – GAS HOSE 3m WITH QUICK FIT CONNECTOR**

**RACC.ROL0006 – Feeder Rolls 0.8-1.0 V**

**RACC.ROL0002 – Feeder Rolls 1.0-1.2 V**

**RACC.ROL0004 – Feeder Rolls 1.0-1.2 U**

**IOZ6906-36 – Welding Torch TIG 17 4m**

**IOW6906-36 – Welding Torch TIG 26 4m**

**COMPLETE WIRE FEEDER ROLLS RANGE AVAILABLE UPON REQUEST**



**V Groove Rollers**  
For Solid Wires



**FCW Groove Rollers**  
For Flux Cored Wires



**U Groove Rollers**  
For Soft Wires