

MARIGASES MGI-32



DESCRIPTION

MARIGASES MGI-32 is welding inverter, 3-phase 400-440V, 50-60Hz, highly suitable for MMA welding. It is easy to carry (9.0kg) and has a maximum output current of 320A. It has been built with hot start and anti-stick functions. This ensures easy strike and a controlled stable arc. Built for professional use, **MGI-32 welding inverter** is generator suited. All machine components are lacquered to protect them against environmental influences, such as dust and humidity. It comes with built-in features that help welding process like: hot-start and anti-sticking, making welding easier, smoother and of higher quality, even with particularly difficult electrodes, like cellulose ones in all positions. The system is equipped with powerful fans for continuous and sufficient cooling, thermal overload trips which operate if the internal temperature becomes too high and integrated circuit breaker protection.

APPLICATIONS

The processes and the areas that this welding machine can be used are listed in the table below:

Processes	Recommended areas of use
MMA	Shipbuilding, Machinery constructions

The recommended base metals are Structural steels, Cr-Ni steels and Duplex steels.

ADVANTAGES

The welding current sources supply constant electrical current. They are built on **INVERTER** technology with high power and high reliability parts.

SYSTEM DESCRIPTION

The main panel board consists of the current source board and the separate control logic board, both of which are individually replaceable. This system of configuration ensures a very high degree of reliability with simplified maintenance and customer service. The power electronics contains an **INVERTER** operating at a frequency higher than 50kHz with a very low resonance period.

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TECHNICAL DATA	Order number 333024
Mains voltage	3x440V ±15%, 50-60Hz
Primary current	I _{max} 18A at 440V 20A at 400V
Setting range	5A – 320A
Maximum permissible current at	
35% duty cycle	320A / 32.8V
60% duty cycle	280A / 30.4V
100% duty cycle	240A / 28V
Power factor at max. current	0.80
Efficiency at max. current	86%
Open circuit voltage	60-70V
Temperature range	-10 to +40 °C
Dimensions (L x W x H)	400 x 310 x 155 mm
Weight	9 kg

