

Cobra 500i

Multi-Process Inverter

The new ArcGen Cobra multi-process inverter is a lightweight but powerful welding power source. The Cobra processes include MMA, TIG, Arc Gouging and MIG with the addition of compatible add-on units.

500amps of DC welding power makes it ideal for heavy fabrication, ship yard, oil and gas, quarry and manufacturing industries.

- Compatible with DC in-line TIG and MIG units.
- CC and CV Modes.
- Variable inductance control.
- Digital meter displays.
- Strong steady arc characteristics.
- Portable, lightweight, and easily accommodated in a 6-pack housing frame.



Applications

| TECHNICAL DATA | COBRA 500i |
|---|--------------------------------------|
| MAINS INPUT SPECIFICATION | 380/415/460 Volts 3-phase 50/60Hz |
| INPUT CURRENT AT MAXIMUM OUTPUT POWER | 33 amps |
| POWER CONSUMPTION | 25 kVA |
| RECOMMENDED MAINS INPUT FUSE PROTECTION | 40A slow blow or type C MCB |
| MAINS INPUT CASE SPECIFICATION | 4 x 4.00 ² flexible cable |
| POWER FACTOR | 0.93 |
| MAXIMUM OUTPUT CURRENT | 500 amps |
| OPEN CIRCUIT OUTPUT VOLTAGE | 90v (CC Mode) |
| OUTPUT CURRENT CONTROL | 20-500A variable |
| OUTPUT VOLTAGE CONTROL | 2-50V variable |
| DUTY CYCLE AT 40 C | 60% @500A 100% @ 400A |
| ELECTRODE DIAMETER | 1.6mm - 8.0mm |
| INSULATION CLASS | F |
| HxWxL (mm) | 467 x 293 x595 |
| WEIGHT (KG) | 33kg |

Morris Machinery has a continuous improvement policy and specifications may be subject to change.



Extras & Accessories



Adder

The ArcGen Adder 350 wire feed unit works with the ArcGen range of inverter and diesel welder based power sources. It is built into a strong, durable plastic case using zinc coated chassis components to give both strength and protection when used in damp conditions.

| TECHNICAL DATA | |
|--|---------------------------------|
| CURRENT RATING | 450 amps @ 60% - 350 amp @ 100% |
| WIRE DIAMETER | 0.8mm - 2.0mm |
| MAX WIRE SPOOL SIZE | 30 cm/12 |
| WIRE SPEED RANGE | 0-23 m/min |
| INPUT VOLTAGE | 24V AC |
| VOLTAGE CONTROL | Yes |
| DIGITAL DISPLAY (With MF34 or MF37 Option) | Yes |
| H x W x L | 430mm x 215mm x 525mm |
| WEIGHT (kg) | 12kg |
| DEGREE OF PROTECTION | IP53 |



Trolley

This durable black welding trolley provides a safe and temporary welding set up. Steel in construction and designed for easy setup and use on site, it can fit both the Cobra and full size gas bottle. Side arms provide storage for cabling. Heavy duty wheels mean the trolley is sturdy on site, but easy to deploy.

Six Pack Frame

Designed to supply temporary power to welding equipment, the three-phase power distribution unit contains a built in 10kVA (400V to 110V) open three phase transformer and has the capacity of mounting six portable welders. The unit is mounted within a 1.4003 stainless steel frame and features forklift pockets and lifting eyes for relocation across site. The unit also has a built-in push button latching mushroom (twisting release).

Dimensions: W 1600mm x D 800mm x H 1350mm
Weight: approximately 420kg

Extras & Accessories



ACCESSORIES

300 Bar Regulator

Stainless steel 2G Argon regulator with bottom entry, suited for top outlet cylinder valves and 30 lpm flow. 3/8in BSP outlet and 5/8in BSP inlet connections.



Pro-grip MIG Welding Torch

Water cooled MIG welding torch with Euro fitting. With a durable and robust design, this 400 Amp torch uses a liquid cooled cable system to ensure leak free terminations. Wire size: 0.030" to 0.045" / 0.8mm to 1.2mm.



Earth Clamp Lead ckc505

Earth lead with brass clamp and 3m lead to create the circuit required for TIG welding.

