HW400A 15 kVA
PORTABLE WELDER
GENERATOR
WHAT MAKES THE HW400A UNIQUE?

SEMI-AUTOMATIC WELDING
Ability to perform semi-automatic welding such as MIG, MAG, SS, etc.

Excellent welding characteristics
From professional end user’s input
Designed for long life
Follow up research with end users
Easy maintenance
Listening to customers needs
Market-oriented development
Designed from the customer’s point of view

APPLICATION:
One Hipower HW400A welder allows to operators to weld at the same time. The secret is in the unique 10 pole rotor/split winding stator that creates a higher frequency output (300Hz), resulting in a superior weld. This split design permits two workers to operate at the same time with minimal mutual interference. Similar to have two welders in one; consuming less fuel, lower machine cost and reduced emissions per man-hour. The welder maintains a narrower current range generated by the higher no-load voltage, similar to having an onboard load bank. That means consistently advance quality welds. Meantime the winding generates AC current that can be used as 480V 3Ø and 120/240V 1Ø, allowing the operators to use power tools to grind, cut and drill at the same time it welds.

When you choose the ECO operating mode, welding is accomplished at a lower operating speed (2100rpm), extending the service life of the engine. 30% less fuel consumption can extend the run time of the equipment to 18 hours on one full tank of fuel.

industrial & military base camps. Each panel is carefully assembled to meet and exceed the highest safety standards in North America and other countries.

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Welding: Voltage x 2, Amps x 2

good quality at Slow-Down speed.
performed. Eco welding is the feature to perform welding in noise and low fuel consumption, when welding is not Speed is called Slow-Down feature for the purpose of low NOISE and reduced fuel consumption.

WHAT IS ECO?

1. Capability to use 5/32 (4.0mm) rods in dual operator mode.
2. Multi-process welding from stick welding to semi-automatic welding.

3. Eco welding is achieved at lower RPM for reduced noise and fuel consumption.

4. Digital meters improve operation monitoring.

5. Remote control for constant voltage (CV) or constant current (CC) welding is available.

6. Micro-computers installed in the equipment can be used with the generating output.

Other Important Features

- Engine slow-down feature
- Fuel meter with a lamp
- Welding over load protector
- Starter-motor burn out protector
- 2 sets laden available
- Fuel inlet rain influent protecting structure
- Automatic air extractor

Patented Alternator Design

HW400A design employs a 10 pole rotor and split stator windings. This unique design produces a higher frequency output (300 Hz) for superior quality welding. The split windings allow two welders to operate at the same time with minimal mutual interference.

Reliable Kubota Diesel Engine

- Model D1005 diesel engine
- 3 cylinder, liquid cooled, 4 cycle.
- Rated 26 HP @ 3600 rpm.
- EPA certified, Tier 2
- Single-side serviceability

Main Features

1. Capability to use 5/32 (4.0mm) rods in dual operator mode.
2. Multi-process welding from stick welding to semi-automatic welding.

By combining wire feeder, you can perform:

- CV/CC
- Stick
- MIG/MAG
- SS
- Flux Cored
- Air Carbon Arc
- (CO2)
- x-Cored welding besides stick welding.

3. Eco welding is achieved at lower RPM for reduced noise and fuel consumption.

- When the output selector switch positions at Eco, the speed gets down to 2100min⁻¹ but you can weld at 240A (Max).
- In comparison with regular speed, fuel consumption decreased it by 30% at (60Hz).

4. Digital meters improve operation monitoring.

- Independent digital meters for welding voltage and current at both A and B sides are incorporated in the equipment. They prevent from welding fluctuation out of the setting values.
- In addition to them, AC output voltage (3-Phase) and frequency meter in digital display strengthen monitoring feature.

5. Remote control for constant voltage (CV) or constant current (CC) welding is available.

- You can adjust welding voltage or current easily by remote control with connecting a cord (plug into a receptacle on the front panel).
- You can connect 3 reels (90 meters max) to control remotely.

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- You can connect 3 reels (90 meters max) to control remotely.

7. Dual welding capability

- High efficiency alternator allows dual operator welding with minimal current fluctuation for either operator.
- Able to use up to 5/32 (4 mm) rod in the dual operation mobile.

8. Automatic idle control, Hour Meter, AC Voltage, Adjusting Dial

9. Welding Remote Control Optional (side A only)


12. Engine slow-down feature

13. Fuel meter with a lamp

14. Welding over load protector

15. Starter-motor burn out protector

16. 2 sets laden available

17. Fuel inlet rain influent protecting structure

18. Automatic air extractor
At HIPOWER® we are committed to offer only the best welding products.

If you are searching for more than what is out there or just looking to improve the quality of your current equipment, we can help.

From flexible welding cable to custom power panels for welding equipment. Our cable assemblies sets are manufactured with top name brand connectors using only made in USA cable, extremely flexible at cold temperature. If a standard cable won’t work for your application, we can design a cable customized to match your specifications. Custom color and company name printing also available upon request.