

Sohal



INVERTER WELDING



Power Saving Inverter Welding Model : IR300
DURABLE DESIGN WITH 3-LEVEL PROTECTION OF IGBT'S

- Inverter welding machines gained popularity due to their power saving nature, better power factor, good arc, low spatter and better constant current features over all previous techniques.
- The IR series inverter welding machines are fully digital controlled & managed machines based on fast switching IGBTTM Devices. Suitable for all type of Electrods Basic, Rutile and Cellulose. The digital display in front of machine helps better and easy setting of welding current by knob. The Display also shows other protection messages of machine.
- These machines are designed and developed in our company. We test all machines individually for duty cycle and performance. These machines are suitable for work on generator. These new technology machines have good output characteristics, stable arc from small current to rated current for welding of various thicknesses of jobs, *Can Weld 18 SWG Sheets by 2mm Electrode.*

FEATURES:

- Power saving high efficiency
- Power factor near unity
- Based on Digital Inverter Technology
- Reliable IGBT Powered
- Spatter free smooth arc
- Constant current during near and far welding
- Compensation of supply volts
- Generator Compatible
- Light Weight
- Heavy duty for continuous work
- Wide supply voltage range

TECHNICAL SPECIFICATIONS:

| ITEM | UNIT | IR 300 | IR 400 | IR 500 |
|--------------|----------------|--------------|--------------|--------------|
| Supply | Volt | 415 | 415 | 415 |
| Phase | No. | 3 | 3 | 3 |
| Frequency | Hz | 50/60 | 50/60 | 50/60 |
| Load | KVA | 10 | 13 | 17 |
| Power Factor | Cos Ø | .99 | .99 | .99 |
| Insulation | Class | F | F | F |
| No-load Volt | Volt | 70 | 70 | 75 |
| Min. Current | Ampere | 20 | 20 | 20 |
| Max. Current | Ampere | 300 | 400 | 500 |
| Duty | % | 60 | 60 | 60 |
| Control | Type | DIGITAL | DIGITAL | DIGITAL |
| IP | Class | 21 | 21 | 21 |
| Weight | Kg | 36 | 38 | 44 |
| Dimension | L X W X H (cm) | 56 X 33 X 53 | 56 X 33 X 53 | 60 X 33 X 53 |

* In view of continuous development, design and specifications can be changed without prior notice

ACCESSORIES: Optional

- Application: Applicable in good welding of Mild Steel, Stainless Steel, Alloy Steel, Cast Iron, Brass, Aluminium and Nickel.

1) IGBT's are advance version of mosfet's

SOHAL ELECTRIC WORKS

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