



## CHAMP 1200 - GOUGEMASTER



The world class Inverter based DC Welder with High Current Gouging Facility



### GENERAL

- Three phase inverter based, high efficiency and high power factor DC Welder
- Suitable for normal Electrode Welding as well as gouging at high currents
- Enhanced Reliability due to SMD technology

### PROTECTIONS WITH AUTO RESET

- Input Supply Voltage protections for over and under Voltage
- Over Temperature
- Protection against Single phasing

### SPECIFICATIONS

| Technical Specifications                           | Unit     | Champ 1200       |
|--|----------|------------------|
| <b>Input</b>                                       |          |                  |
| Input Supply :                                     |          |                  |
| Voltage  | Volt AC  | 415 , +15%, -10% |
| Phase  | No       | 3                |
| Frequency  | Hz       | 50/ 60           |
| Max Input KVA @ @ 100% duty cycle                  | KVA      | 55               |
| Input Supply Current @ 100% duty cycle (1000 Amps) | Amps, AC | 76               |
| Input Supply Current @ 60% duty cycle (1200 Amps)  | Amps, AC | 92               |
| Power Factor @ 100% duty cycle                     |          | 0.93             |
| Efficiency @ 100% duty cycle                       | %        | ≥ 85             |
| <b>Output</b>                                      |          |                  |
| Open Circuit Voltage                               | Volt,DC  | 90               |
| Welding Current Range                              | Amps,DC  | 100-1200         |
| Welding Current (40°C 10 minute cycle)             |          |                  |
| @ 60% duty cycle                                   | Amps,DC  | 1200             |
| @ 100% duty cycle                                  | Amps,DC  | 1000             |

Cont.

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Cont.

| General                             |       |  |
|-------------------------------------|-------|--|
| Suitable Welding Electrode size     | mm Ø  | 3.2, 4, 5 and 6.3 mm   |
| Suitable for Gouging Electrode Size | mm Ø  | Up to 12 mm  |
| Remote Control (Optional)           |       | 10 meter Remote Control provided as optional for current setting |
| Ingress Protection                  | Class | IP23   |
| Cooling                             | Type  | Forced Air   |
| Insulation                          | Class | H  |
| Welding Output Terminals            |       | Stud type for Lug type cable connections                         |
| Dimensions                          |       |  |
| Length                              | mm    | 930  |
| Width                               | mm    | 525  |
| Height (with handle)                | mm    | 950  |
| Weight (approx.)                    | Kg    | 115  |
| <b>Front Panel Functions</b>        |       | 'MAINS ON' - Green LED Indication                                |
|                                     |       | 'MMA/GOUGING'-Red LED Indication                                 |
|                                     |       | 'REMOTE ON' - Red LED Indication                                 |
|                                     |       | 'TRIP' - Red LED Indication if Machine is under Protection Mode  |
|                                     |       | Current Adjustment Encoder                                       |
|                                     |       | 4 Digit Digital Display for Current and Voltage                  |
| <b>Protections (Auto - Reset)</b>   |       | Over Voltage, Under Voltage, Single Phasing                      |
|                                     |       | Over Temperature   |

- **Warranty** : One year from the date of commissioning. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorised Distributors are free from defects in materials and workmanship and will perform in full accordance with applicable specifications.
- In view of continuous development, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.
- Backed by dedicated customer care package.