



## RED SERIES WELDING TRANSFORMERS



### RED SERIES

A Wide Range of World Class Welding Transformers



- Single phase (2 lines of 3 phase) Welding Transformers
- Class F Insulation - enhances services life
- Easily maneuverable from job to job on the shop-floor
- Stepless, smooth and infinitely variable current regulation
- Forced air cooled transformers - less coil temperature resulting in longer service life
- User friendly AC ARC Welders



## TPA SERIES WELDING TRANSFORMERS



### TPA SERIES

A Wide Range of World Class Welding Transformers



- Three phase Welding Transformers
- User friendly AC ARC Welders
- Stepless, smooth and infinitely variable current regulation
- Convenient and easily maneuverable from job to job on the shop-floor
- 'Open-delta' design enables conversion of three phase input into single phase output
- Forced air cooled transformers - less coil temperature resulting in longer service life
- Compact and lightweight

### SALIENT FEATURES










- Smooth welding current control by moving core magnetic shunt design
- Stepless, smooth and infinitely variable current regulation
- Adjustment of welding current possible even while welding is in progress
- 1 swivel front wheel and 2 rear wheel arrangement for easy maneuverability
- ON-OFF switch control, current control and current indicator provided on the front panel
- A Special design provides for excellent dynamic characteristic and ensures smooth and optimum metal transfer - RED Series specifically recommended for low hydrogen electrodes

## RED / TPA SERIES WELDING TRANSFORMERS



A Wide Range of World Class Welding Transformers

Cont.

| MODELS   | UNIT  | RED 403            | RED 503            | RED 603            | TPA 403    |
|--|-------|--------------------|--------------------|--------------------|------------|
| <b>INPUT</b>   |       |                    |                    |                    |            |
| Supply Voltage              | Volts | 415                | 415                | 415                | 415        |
| Phases                      | No.   | 2 Lines of 3 Phase | 2 Lines of 3 Phase | 2 Lines of 3 Phase | 3 Phase    |
| Frequency                   | Hz    | 50                 | 50                 | 50                 | 50         |
| Input KVA @ 100 % Duty Cycle   | KVA   | 19                 | 25                 | 28.4               | 19.0       |
| Input switch fuse rating   | A     | 80                 | 100                | 80                 | 80         |
| Recommended Capacitor<br>for P.F. improvement  | KVAr  | 8                  | 10                 | 10                 | 10         |
| <b>OUTPUT</b>  |       |                    |                    |                    |            |
| Output Characteristic       | Type  | CC                 | CC                 | CC                 | CC         |
| Operating Arc Voltage       | Volts | 22-36              | 23-40              | 24-44              | 22-36      |
| Open circuit voltage   | Volts | 80                 | 80                 | 80                 | 80         |
| Welding current range  | A     | 60-400             | 80-500             | 100-600            | 60-400     |
| Max. Continuous hand welding<br>current @ 60% Duty Cycle   | A     | 300                | 400                | 450                | 300        |
| current @100% Duty Cycle  | A     | 230                | 300                | 350                | 230        |
| Max. Intermittent welding current  | A     | 400                | 500                | 600                | 400        |
| Welding Electrode range  |       |                    |                    |                    |            |
| Minimum  | mms   | 2                  | 2.5                | 2                  | 2          |
| Maximum  | mms   | 6.3                | 6.3                | 6.3                | 6.3        |
| <b>GENERAL</b>   |       |                    |                    |                    |            |
| Class of Insulation  | Class | F                  | F                  | F                  | A          |
| Cooling Type              | Type  | Forced Air         | Forced Air         | Forced Air         | Forced Air |
| Protection class   | Class | IP23               | IP23               | IP23               | IP23       |
| Dimensions mms L          | mms   | 720                | 745                | 820                | 800        |
| W  | mms   | 460                | 500                | 560                | 500        |
| H  | mms   | 750                | 780                | 850                | 850        |
| Weight approx.            | kgs.  | 110                | 132                | 160                | 160        |

**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.