

RED / TPA SERIES WELDING TRANSFORMERS

A Wide Range of World Class Welding Transformers

1 Phase 3 Phase



RED SERIES

- Single phase (2 lines of 3 phase) Welding Transformers
- Class F Insulation - enhances services life
- User friendly AC ARC Welders
- 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



TPA SERIES

- Three phase Welding Transformers
- User friendly AC ARC Welders
- Stepless, smooth and infinitely variable current regulation
- Compact and lightweight
- 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












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



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MODELS	UNIT	RED 403	RED 503	TPA 303	TPA 403
INPUT					
Supply Voltage 	Volts	415	415	380/415	380/415
Phases 	No.	2 Lines of 3 Phase	2 Lines of 3 Phase	3	3
Frequency 	Hz	50	50	50	50
Input KVA @ 100 % Duty Cycle	KVA	19	25	16.5	21.0
Input switch fuse rating	A	80	100	55	80
Recommended Capacitor for P.F. improvement	KVAr	8	10	6	7
OUTPUT					
Output Characteristic 	Type	CC	CC	CC	CC
Operating Arc Voltage 	Volts	22-36	23-40	22-32	22-35
Open circuit voltage	Volts	80	80	66	66
Welding current range	A	60-400	80-500	40-300	60-400
Max. Continuous hand welding current @ 60% Duty Cycle	A	300	400	225	300
current @100% Duty Cycle 	A	230	300	175	230
Max. Intermittent welding current	A	400	500	300	400
Welding Electrode range					
Minimum	mms	2	2.5	2	2
Maximum	mms	6.3	6.3	5	6.3
GENERAL					
Class of Insulation	Class	F	F	A	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	720	720
W	mms	460	500	500	500
H	mms	750	780	800	800
Weight (approx.) 	kgs.	110	132	125	163
ORDERING INFORMATION		PRODUCT CODE	PRODUCT CODE	PRODUCT CODE	PRODUCT CODE
Standard Power Source-AC ARC Welder		F10.35.001.0007	F10.35.001.0008	F10.35.001.0014	F10.35.001.0015
Optional Accessories	Type				
Welding Accessories		S10.64.001.0014	S10.64.001.0014	S10.64.001.0014	S10.64.001.0015

- **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.