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ARC WELDER



COPPER WOUND

**MODEL EC**  
FORCED AIR COOLED  
STEPLESS REGULATOR  
ARC WELDER

**Sterco**



THE WELDING PEOPLE

## SCOPE & APPLICATIONS :

STERCO Forced Air Cooled A.C. Arc welders are being used since 40 years as power source for most of manual metal arc welding jobs, required in Rolling Mills, Cement Plants, Thermal Power Projects, Shipyards and all type of heavy and medium Industries.

These machines are also used as Power Source for Argon Gas Shielded Arc Welding Tungston Electrodes (TIG) for the welding of Aluminium & Aluminium Alloys.



Model-EC (D/O)

## MODEL EC

### FORCED AIR COOLED STEPLESS REGULATOR

### ARC WELDER **COPPER WOUND**

#### CONSTRUCTION :

The set consists of heavily copper wound Transformer fitted on heavy steel frame covered with ventilated M.S. Sheets mounted on rubber wheels, front wheel fixed and rear wheels are swivelling type for easy portability. The current is controlled by air gap between Primary & Secondary coils by means of magnetic shunt.

#### Transformer :

Specially designed doubled copper wound transformer conforming to IS: 1851 (1997) having core of high grade electrical sheet, Primary & Secondary coils are of electrolytic copper strips & Wires covered with fibreglass and insulated with Class 'F' duly vacuum impregnated.

### TECHNICAL SPECIFICATIONS

MODEL		EC-200	EC-300	EC-400	EC-500	EC-600
Primary Voltage	V	230/415	230/415	380/415	380/415	380/415
Input Supply	Nos.	Single Phase/ 3 Phase 2 lines	Single Phase/ 3 Phase 2 lines	3 Phase 2 Lines	3 Phase 2 Lines	3 Phase 2 Lines
Frequency	Hz.	50	50	50	50	50
Welding Current Range	Amps	30-200	40-300	60-400	60-500	80-600
Max. Continuous Hand Welding Current at 60%	Amps.	150	225	300	400	500
Max/Continuous Automatic Welding current at 100%	Amps.	120	180	230	300	360
Welding Current Control		STEPLESS REGULATOR				
Max. Intermittent Welding current	Amps.	200	300	400	500	600
Open Circuit Voltage	V.	65	65	65	65	65
Operating Arc Voltage	V.	21-28	22-32	23-36	23-40	23-44
Welding Electrode Size Min.	MM.	1.5	2	2	2	2.5
Welding Electrode Size Max.	MM.	4	5	6.3	6.3	8
Insulation Class		Class 'F'				
Power Factor with Capacitor		0.8 at Half Load				
Type of Cooling		FORCED AIR COOLED				
Max. Rating	KVA	13	19.5	26	32.5	39
Rating at 60% Duty Cycle	KVA	9.5	15	19.5	26	32.5
Rating as per IS	KVA	7.8	11.7	15	19.5	23.5
Dimension (Approx) in Cms. LXWXH	Cms	66x39x65	68x43x75	72x46x86	72x46x86	72x46x86
Weight (Approx)	Kgs.	85	120	145	165	180
Winding		Copper				

The above units are also available for 3 phases 380/415 Volts 50 Hz Input Supply.

#### Double Operator ARC Welder

Technical Specifications of each Transformer of Double Operator Arc Welder as per Model EC.

Note: We reserve the right to change design and modify specifications at the discretion of our technical department.

#### OUR OTHER PRODUCTS ARE :

- \* D.C. Welding Rectifier.
- \* Pedal/Pneumatically Operated Spot Welder.
- \* Wire/Strip Butt Welder.
- \* Band Saw Butt Welder.
- \* Heating/Annealing equipment.
- \* Electroplating Rectifier.
- \* Servo Automatic Voltage Stabilizer.
- \* All type of Welding Accessories & Gas Welding Equipments.

Manufactured by:

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