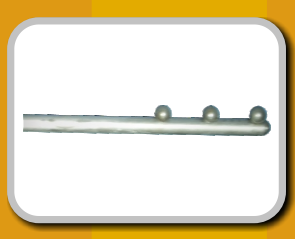
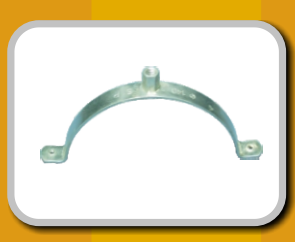
Sohal

SE-12





STORED ENERGY WELDER

STORED ENERGY WELDER

Stored Energy Welders also known as Capacitor Discharge Welders have created attraction in the industry by their low power demand or their low KVA and three phase balance load. A 10KVA stored energy welder can easily weld the same component that was welded on 70KVA spot/projection welder. In spite of other benefits, The low power demand has attracted the industry towards these types of machines. The working principle of stored energy starts from a constant current transformer that provide constant current charging to capacitor bank (Energy storage bank) through a rectifier. When the capacitor banks charges to its set energy value, the control circuit waits for run signal. When operator gives signal, the machine comes in action and releases all the stored energy instantly on work through a pulse transformer which also serve as impedance matching transformer. The period to weld the metal is very low around 20 milli seconds. All the energy concentrate on weld point and there is no need for water cooling of electrodes and transformer.

We start manufacturing these machines during year 2001 with AP11 & AP15 models. The new model SE12 comes with all improvements like new Control Circuit, Modified Transformer, Hydraulic mechanism, In panel counter etc.

TECHNICAL SPECIFICATIONS:

ITEM / MODEL	SE 12/7	SE 12/10	SE 12/20
Supply	415 - V ±10% 50 Hz	415 - V ±10% 50 Hz	415 - V ±10% 50 Hz
Power	7.5 KVA	10 KVA	20 KVA
Stored Energy	5500 Jule	8500 Jule	13000
Clamping	Hydraulic	Hydraulic	Hydraulic
Clamping Force	1560 Kgf	1560 Kgf	2200 Kgf
Max Charging Time	2.5 Sec.	3 Sec.	2.5 Sec.
Throat Depth	8 inches	8 inches	10 inches
Capacitor Cooling	Forced Air	Forced Air	Forced Air
Dimension H.D.W	92, 71, 18 inches 234, 180, 46 cm	92, 71, 18 inches 234, 180, 46 cm	92, 71, 22 inches 234, 180, 56 cm

SE-12

* Note: All specification are subjected to change without prior notice

Manufactured by:

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