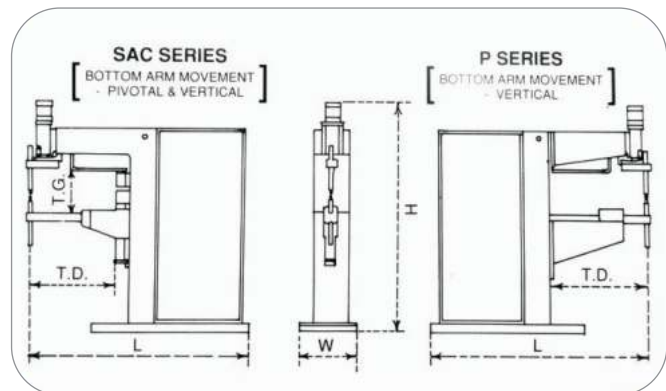


SPOT WELDING MACHINE (SAC / P-SERIES)



MACHINE OUTLINE



Spot Welding Machines are designed for high quality welded nugget forming and high productivity spot welding operations.

Right Frame :

Strongly welded structure of heavy steel sections.

Quick response welding head :

Double acting pneumatic cylinder operated through quick exhaust air valve alongwith hardened and ground steel ram moving in accurately bored cast iron housing for quick response and high production needs.

Encapsulated welding transformer

Complete encapsulation of primary and secondary coils in epoxy resin under vaccum allows high duty cycle, high durability and excellent resistance to dust, humidity and vibrations.

Low impedance secondary circuit

Low impedance transformer design associated with high quality, generous section conductors in energy efficient secondary circuit configuration ensures higher welding current at lower input. Several throat depth configurations to suit variety of jobs.

'State of art' welding control :

various models in CMOS IC Based or MICRO PROCESSOR based controllers.

Wide range

Many variations with different combinations of welding head, transformer, secondary circuit configuration, electrodes and toolings.

Options :

Spot cum projections welding
Electrode tip dresser

Nut Feeder
Weld Monitor

SPOT WELDING MACHINE (SAC / P-SERIES)

Machine Data

Machine Type	UNIT	SAC-25	SAC-50	SAC-75	P-252	P-260	
Rating at 50% duty cycle	KVA	25	50	75	75	100	150
Rating at 50% duty Cycle Max. Secondary Short circuit current At throat depths (T.D)							
400 mm / 450 mm	Amps	14000	22000	26000	26000	30000	37500
600 mm	Amps	12000	17500	21000	21000	24000	32000
800 mm	Amps	-	-	17500	17500	20000	27000
1000 mm	Amps	-	-	-	-	19000	24000
Standard Stroke	mm	50	50	50	50	50	50
Throat gap (T.G) Maximum electrode	mm	315	315	315	260	285	175
Force at 5.6 kg/cm ²	kg.	440	440	440	440	700	1000
Weld cylinder dia.	mm	100	100	100	100	125	150

Machine Installation Data

Power supply (across 2 phase)		415v,50Hz	415V,50Hz	415V,50Hz	415V,50Hz	415V,50Hz	415V,50Hz	
Supply cables size	Cu	sq. mm	16	35	50	50	95	150
	Al	sq. mm	25	70	95	95	150	240
Disconnect fuse (HRC) rating	Amps		60	125	200	200	250	300
Water supply (Inlet temp. 30° C; Pressure 3 kg/cm ²)	Lit/min		15	15	15	25	30	30
Air pressure max. operating kg/cm ²			7.0	7.0	7.0	7.0	7.0	7.0

Machine Size

Dimensions								
Height H	mm	1900	1900	1900	1750	2000	1900	
Width L	mm	450	450	450	300	620	500	
Length L (min TD)	mm	1235	1235	1235	1355	1500	1500	
Length L (max TD)	mm	1835	1835	1835	1955	2100	2100	
Weight (approx.)	kg.	800	900	1000	1100	1500	1750	



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