

Kirpekar

SEAM WELDING MACHINE



LONGITUDINAL



VERTICAL



CIRCUM

SEAM WELDING MACHINE FEATURES

- ★ Rigid Frame
- ★ Low Inertia RAM
- ★ Low Impedance Transformer (AC / 3 Phase DC)
- ★ Electrode Housing with Silver Bearing
- ★ AC Drive with Variable Speed Control and Display
- ★ Microprocessor Based Welding Controller Kirpekar-make
- ★ Machine available are Circumferential, Longitudinal and Universal

OPTIONAL ACCESSORIES (EXTRA COST)

- ★ Water Flow Indicator
- ★ Water Flow Switch
- ★ Pressure Switch
- ★ 25 Ltr. Water Tank with Motor
- ★ Tower Lamp
- ★ Without Silver Housing
- ★ Water Collection Tray or Tub (SS Material)
- ★ Rejection Chute
- ★ Narrow Track
- ★ MCB/ELCB
- ★ Chiller Unit
- ★ Anti Vibration Pads
- ★ Special Wheel
- ★ Wheels with internal cooling
- ★ Knurling Wheel Arrangement (Spring with Diamond impression on Wheel)
- ★ Knurling Wheel arrangement (Pneumatic with Diamond impression on wheel)

SEAM WELDING MACHINE APPLICATIONS

- ★ Automotive fuel Tanks
- ★ Transformer Radiator Fins
- ★ Drums & Barrels
- ★ Air Con/Washing Machine Cabinates
- ★ Refrigeration Boxes
- ★ Rims for Motors Cycle/Bicycle
- ★ Shock Absorber
- ★ Utensil Fabrication

MAX SHORT CIRCUIT CURRENT AT THROAT DEPTH (FOR LONGITUDINAL /UNIVERSAL SEAM WELDING MACHINE)

Machine Transformer Capacity in KVA	Throat Depth in mm	Max Current in KA
100	450	33
150	450	40

SEAM WELDING STANDARD SPECIFICATION

Model	KSW-75 C	KSW-100 C	KSW-150 C
TRANSFORMER			
Capacity at 50 % Duty Cycle	75 KVA	100 KVA	150 KVA
Rated Input Voltage	415 V	415 V	415 V
WELD HEAD			
Cylinder dia X Stroke in mm	100 X100	125 X 100	150 X100
Max. Weld Force at 6 bar in kgf	425	680	680
Throat Gap in mm	200	200	200
Cooling Water Volume in l/mm	40	40	40
Machine Size in mm *(W X D X H) (Approx)	760 X 1410 X 2540	760 X 1410 X 2540	760 X 1410 X 2540
Machine Working Height in mm	900-1000	900-1000	900-1000

*C - Circumferential

*Machine Size- W X D X H – Width X Depth X Height (Approx)

Facility Data

Specification Model	Nominal Power	Welding Power			Control Power		Compressed Air				Cooling Water (See note (3))				Earth Cable	
		Voltage	Fuse Capacity	Connecting Cable See Note 1	Voltage	Connecting Cable	Pressure	Air Volume (See Note 2)	Charging Hose Inner Dia.	Compressor Capacity	Pressure	Inlet Temp.	Flow Volume	Hose Inner Diameter		
														Water Feed		Water Exhaust
KVA	V	A	mm ²	V	mm ²	Kgf/cm ²	L/mm	mm	KW	Kgf/cm ²	°C	L/mm	mm	mm	mm ²	
KSW 75	75	415	200	90	24	1.25	5 ~ 7	120	9.5	1.5	2 ~ 3	Less than 30 ^o	40	12.7	19	14
KSW 100	100	415	250	100	24	1.25	5 ~ 7	120	9.5	1.5	2 ~ 3	Less than 30 ^o	40	12.7	19	14
KSW 150	150	415	350	125	24	1.25	5 ~ 7	120	9.5	1.5	2 ~ 3	Less than 30 ^o	40	12.7	19	14

Notes:

- 1) Connection cable has the min. section indicated, heat wise. The cable size may be enlarged according to wiring method and distance.
- 2) Compressed air volume indicates the atmospheric volume with 100mm electrode stroke, @5kg/cm²
- 3) The Compressor capacity is fixed by this volume.
- 4) Industrial water with electric resistance over 500 Ω-cm is used for cooling.

Important Features of Seam Welder:

Electrode Housing:

Silver Segment used as bearing

Welding Controller

Microprocessor based Kirpekar make

Advantage

- (i) Upto 15 schedules can be stored
- (ii) Its memory for instant recall
- (iii) Built in weld monitor: Allows viewing of all programmes
- (IV) Production Counter



Registered Office & Works

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