

PLASMA CUTTING MACHINE (IGBT INVERTER BASED)



With the help of oil free compressed air delivery at 5.5 kg/cm² and electricity cut all metals like Stainless Steel, Mild Steel, Copper, Brass, Aluminum, Inconel, Monel, Titanium, Nickel, Chrome, Bronze, Galvanized Steel, Heated Steel, Wear Plates etc.

MODELS : Plasma 45i, Kali 45i, Kali 60i, Kali 80i, Kali 100i, Kali 200i

FEATURES :

- Efficiency and Power factor over 90%.
- Saving over 50% compared to conventional machines.
- Air Cooled torch with 6 meters long cable.
- Unique torch design which allows operator to place the torch on the job being cut.
- Safety interlocks for operators and machine against high/low voltage, low air pressure etc.
- Designs takes care of EMI interference which is prominent with other machines.
- Post cutting operations such as grinding of dross etc. almost eliminated.

ONLY TWO CONSUMABLES

- Electrodes and Nozzle.
- Works on Generator Supply.

STANDARD SCOPE OF SUPPLY :

- Heavy Duty water cooling & circulating unit with water tank, radiator and cooling fan.
- Water cooled Air Plasma Cutting Hand Torch Model KH - 200 along with 6 mtrs. of cable hose assembly.
- Electrode & Nozzle & 'O' Ring set - 5 sets.

OPTIONAL ACCESSORIES :

- Water cooled plasma cutting torch assembly of 6 meters suitable for Mechanised operation.
- Motorised trolley Model "Cut Master" suitable for straight cutting with 1.8 mtrs long rack and circle cutting attachment.

TECHNICAL SPECIFICATIONS

MODEL	KALI 60i
Input Supply	3Ph., 415Volts, \pm 15% AC., 50Hz
Open Circuit Voltage	250 Volts
Maximum Output Current @ 60% Duty Cycle	60 Amps
Current Control Range	15 - 60 Amps.
Current @ 100% Duty Cycle	50 Amp.
Arc Voltage	130 Volts
Power Factor	0.93
Enclosure Protection	IP 23
Cooling	Fan Cooling
Thermal Insulation Class	"F"
Max. Cutting Thickness (MS/SS)	25 mm
Air Flow	11 CFM (Free Air Discharge)
Dimensions (L x H x W) mm	520 x 350 x 300 mm (Approx.)
Weight	28 Kgs.

STANDARD ACCESSORIES

- Plasma Hand Cutting Torch - 6 mtrs. Long.
- Earthing cable with clamp - 6mtrs. Long.
- Air Filter cum Regulator fitted with the machine, other than fitted in the Torch.
- Air Compressor.

**Duty cycle conforms to 10 minutes cycle at 40 C Ambient Temperature*

Technical specifications are subjected to change because of continuous upgradation of products for better performance.

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