

## AIR PLASMA CUTTING MACHINE UPTO 50mm (Hand / Manual Cutting)



### FEATURES :

- IGBT Inverter based technology.
- Full wave output bridge rectifier for smooth cutting arc.
- Digital control with panel meter.
- Stepless current control with current preset facility.
- Contact less Pilot Arcing with built in HF circuit.
- Suitable to cut Mild Steel, Alloy steel, Carbon steel, Stainless steel.
- Cuts Non-Ferrous metals like. Copper, Brass, Aluminum.
- Suitable to cut on Hard faced, Cladded, Rusted, Painted or Expanded surfaces.
- Smooth cut surfaces with minimal Dross and Kerf width.
- Operates on Input supply of 380 - 415 VAC / 3-Phase / 50-60 Hz.
- Air fail safe trip to protect torch and consumables.
- Overheat safe trip to protect internal circuits.
- Extended life of Torch and Consumables.



### SPECIFICATION :

Model	ARC CUT 25i	ARC CUT 30i	ARC CUT 40i	ARC CUT 50i
Clean Cut	16 mm	25 mm	32mm	40mm
Parting Cut	25 mm	30 mm	40mm	50mm
Rated Input	7.9 KVA	10.5 KVA	14.6 KVA	18.3 KVA
Output Current (DC)	60 Amps	80 Amps	100 Amps	120 Amps
Duty Cycle	60%	60%	60%	60%
OCV	320V	320V	320V	320V
Power Factor	0.95	0.95	0.95	0.95
Efficiency	90%	90%	90%	90%
Insulation Class	F	F	F	F
Protection Class	IP21	IP21	IP21	IP21
Machine Cooling	Forced Air	Forced Air	Forced Air	Forced Air
Torch Cooling	Compressed Air	Compressed Air	Compressed Air	Compressed Air
Pressure kg/cm <sup>2</sup> / Bar	6 / 87	6 / 87	6 / 87	6 / 87
Air Flow cfm / lpm	3.5 / 100	3.5 / 100	3.5 / 100	3.5 / 100
Dimensions (mm)	600 x 300 x 550	600 x 300 x 550	600 x 300 x 550	660 x 320 x 610
Weight (Approx.)	28 Kgs	28 Kgs	28 Kgs	50 Kgs

Specifications are subject to change without notice.

### Package:

- Power Source
- Air filter/Regulator
- Starter Kit
- Hand Torch - 7mtrs cable.
- Earthing clamp 7mtrs cable.
- Machine mounting trolley.

### Options:

- Torch & Earthing cable up to 30 meters length.
- Water Cooled Torch
- Circle cutting attachment
- 100% duty cycle & CNC interfacing for mechanised cutting.



Torch With Cable



Earthing Cable



1	TORCH HEAD	APA020AH
2	ELECTRODE HOLDER	APA03
3	CONTACT TUBE	APA06
4	ELECTRODE	APA01
5	NOZZLE	APA02
6	FRONT CAP	APA05

AIR COOLED TORCH HEAD & CONSUMABLES