

## AIR PLASMA CUTTING MACHINE UPTO 80mm (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 and Water fail safe trip to protect torch and consumables.
- Overheat safe trip to protect internal circuits.
- Superior life of Torch and Consumables.
- Excellent replacement of Oxy-fuel cutting for thickness up to 32mm.



### SPECIFICATION :

Model	Arc Cut 60i	Arc Cut 70i	Arc Cut 80i
Clean Cut	50 mm	60 mm	70 mm
Parting Cut	60 mm	70 mm	80 mm
Rated Input	22.6KVA	37.7 KVA	56.4 KVA
Output Current (DC)	150 Amps	200 Amps	250 Amps
Duty Cycle	60 %	60 %	60 %
OCV	320V	320V	320V
Power Factor	0.95	0.95	0.95
Efficiency	90 %	90 %	90 %
Insulation Class	F	F	F
Protection Class	IP21	IP21	IP21
Machine Cooling	Forced Air	Forced Air	Forced Air
Torch Cooling	Water Cooled	Water Cooled	Water Cooled
Dimensions (mm)	660 x 320 x 610	700 x 350 x 975	700 x 350 x 975
Weight (Approx.)	90 Kgs	150 Kgs	150 Kgs
Pressure Kg/Cm <sup>2</sup> (Bar)	3	3	3
Air Flow cfm / lfm	1 / 28.3	1 / 28.3	1 / 28.3

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 2 3 4 5 6

1	TORCH HEAD	CNC070WH
2	ELECTRODE HOLDER	CNCW073
3	INSULATOR	CNCW074
4	ELECTRODE	CNCW071
5	NOZZLE	CNCW072
6	FRONT CAP	CNCW075

WATER COOLED TORCH HEAD & CONSUMABLES