

INVERTER BASED PLASMA CUTTING MACHINE

PLASMA CUT 45 | PLASMA CUT 85 | PLASMA CUT 100 | PLASMA CUT 105

Beneficial Features

- ◆ Equipped with CNC Plasma function*.
- ◆ Inbuilt with Pilot current controller*.
- ◆ Working Mode: CUTTING / MARKING* / GOUGING / GRID CUTTING*
- ◆ Complete series of 100% Duty cycle based rugged machines.
- ◆ Filter Regulator for complete dry Plasma gas to ensure stable cutting process.
- ◆ Maximum productivity due to high cutting speed.
- ◆ Inverter technology ensures low power consumption.
- ◆ Work with both Air & Nitrogen.
- ◆ Intelligent TIP consumption error*.
- ◆ Easy handling and versatile use of all accessories like guide wheels, circle cutting attachments.
- ◆ Inbuilt with Phase failure protection, Under Voltage protection, Over Voltage Protection, Thermal Protection & Over Current Protection.
- ◆ Heavy duty manual & machine mounted torches.
- ◆ Soft switch technology, improved IGBT switching.
- ◆ Reliable, robust and sturdy design.
- ◆ 100% Arc striking suitable for automation.
- ◆ 2 step / 4 steps facility for torches.
- ◆ Inbuilt Touch & Cut facility*.
- ◆ Excellent square cutting with zero dross.



PLASMA CUT 105
NON-HF TYPE
MAX. QUALITY CUT



MS- 42 mm
SS- 35 mm
AL - 30 mm
CU- 25 mm



PLASMA CUT 85
NON-HF TYPE
MAX. QUALITY CUT



MS- 38 mm
SS- 30 mm
AL - 22 mm
CU- 15 mm



PLASMA CUT 100
HF TYPE
MAX. QUALITY CUT



MS- 35 mm
SS- 30 mm
AL - 22 mm
CU- 15 mm



PLASMA CUT 45
NON-HF TYPE
MAX. QUALITY CUT



MS- 25 mm
SS- 20 mm
AL - 16 mm
CU- 12 mm



HF TYPE



NON-HF TYPE

* Features are available in Plasmacut 45 , 85 & 105

Excellent Cutting for Higher Performance...

TECHNICAL SPECIFICATIONS

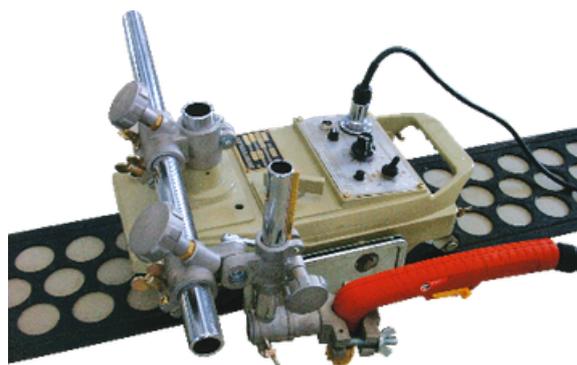
PARAMETER	PLASMA CUT-45 (TOUCH CUT)	PLASMA CUT-85 (TOUCH CUT)	PLASMA CUT-100 (HF TYPE)	PLASMA CUT-105 (TOUCH CUT)
Input supply	3Phase, 415VAC, \pm 10%, 50/60 Hz			
Rated input power (KW)	7.1	15.6	14.5	19.8
Rated input current (A)	14.6	34.2	22	40.2
Open circuit voltage (V)	230	300	285	300
Rated cutting current (A)	45	85	100	105
Rated cutting voltage (V)	140	160	120	160
Current Adj. Range (A)	10 - 45 ⁽¹⁾ / 20-45 ⁽²⁾	20 ~ 85	30 ~ 100	20 ~ 105
Quality cut thickness (MS) (mm)	1 ~ 25	1 ~ 38	1 ~ 35	1 ~ 42
Applied Plasma Air	Compressed Air			
Air pressure	4-6 bar (0.4 ~ 0.6 Mpa)		4-6 bar (0.4 ~ 0.6 Mpa)	
Current Upslope time (Sec)	0.1 ~ 0.2			
Cutting torch cooling mode	Air / Water		Air / Water	
Rated duty cycle (%)	100 %		100 %	
Insulation Class	H			
Protection grade	IP - 23			
(L x W x H) Dimension	480 x 175 x 310	470 x 250 x 400	695 x 320 x 580	620 x 310 x 535
Weight (Kg)	13	40	50	43

- (1) - Marking & Gouging
(2) - Cutting & Grid Cutting



Force 2 : Air Compressor

Model	Force 2
Working Pressure	10 PSI
Motor H.P	2
Tank Capacity	160 Litres



PLASMA CUTTING TROLLEY Model: CG1 - 30K

- ◆ Input supply voltage : 1Ph -230 VAC,50 /60 Hz.
- ◆ Travel Speed : 50 – 4500 mm/min
- ◆ Diameter of circle cutting : 200 – 2000 mm

STANDARD SCOPE OF SUPPLY

Power source	01 No.
Gas hose of 3 mtrs.	01 No.
Air cooled torch 6m length of Appropriate capacity	01 No.
Earthing cable of 3 mtrs.length	01 No.