



## CUTi 35, 70, 90, 120

The world Class Inverter based Plasma Cutting Machines



### SALIENT FEATURES

- The small power packages of the CUTi series are easy to handle and thus especially suitable for mobile use. From among the models of the series, the user may choose the unit which meets his individual requirements best.
- Using compressed Air as the Plasma Gas, mild steel, stainless steel, aluminium, brass, copper and other electrically conductive materials can be cut.
- All CUTi inverters operate with gas-cooled plasma torches and external compressed air supply.
- Due to the sinusoidal power consumption with PFC (power factor correction), the inverter CUTi 35 draws its maximum power from the single-phase 230 V mains, without major reactive power loss.
- Light, portable, easy to handle
- Contains inlet FRL Unit to ensure flow of clean, dry air
- Productive due to high cutting speed
- Energy saving due to modern inverter technique
- High cut quality
- Versatile use due to a large variety of accessories
- Safe working due to safety shut-down

### DELIVERY CONTENTS OF OUTFIT:

- Plasma Power Source with input cable and power supply plug
- Plasma Cutting Torch (Air cooled) with cutting accessories
- Return cable with Earth clamp
- Air supply hose

### APPLICATION AREAS

- Convenient Hand Torches
- Plasma gouging does not require after-treatment and produces less smoke compared to gouging with carbon electrodes.
- Suitable for industry and craft
- In workshops and training centres
- For repairing and servicing
- At assembly workplaces, on construction sites
- Straight, profile and contour cutting, also with templates
- For piercing and hole cutting
- Bevel cutting at any angle for weld preparation, possible with appropriate accessories
- Plasma gouging in preparation of weld joints, fettling, removal of welding mistakes and surface defects with CUTi 90 and CUTi 120

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### ERGONOMIC HANDLE DESIGN

- Thanks to the ergonomic handle design and the low weight of the KjellCut plasma torches work is easy. In addition to the convenient operation, safety is also of prime importance here.

### ACCESSORIES FOR CUTi

- A large variety of accessories is available for the flexible use of the CUTi units.

### TECHNICAL SPECIFICATIONS

Parameter	UNIT	CUTi 35	CUTi 70	CUTi 90	CUTi 120
<b>Input</b>					
Mains Voltage	VOLTS, AC	1 X 230 V	3 X 400 V	3 X 400 V	3 X 400 V
Fuse, Slow	AMPS, AC	16 A	16 A	25 A	32 A
Connected Load, Max.	KVA	3.7 KVA	11.1 KVA	15 KVA	16.7 KVA
<b>Output</b>					
Cutting Current Range	AMPS, DC	5-35 A	26 -70 A	26 -90 A	25 -120 A
Duty Cycle	10 min duty cycle	35 A @ 40%	70 A @ 35%	90 A @ 40%	120 A @ 35%
		28 A @ 60%	60 A @ 60%	74 A @ 60%	95 A @ 60%
		22 A @ 100 %	50 A @ 100 %	55 A @ 100 %	80 A @ 100 %
<b>General</b>					
Protection Class	CLASS	IP 21	IP 21	IP 21	IP 21
Cutting Range	MM	12 MM	30 MM	35 MM	50 MM
Ignition	TYPE	DRAWN ARC	HIGH VOLTAG	HIGH VOLTAGE	HIGH VOLTAGE
Plasma Gas	TYPE	AIR	AIR	AIR	AIR
Pressure	MPA	0.4 MPA	0.5 MPA	0.5 MPA	0.5 MPA
Air Consumption	L / MIN	70 L / MIN	140 L / MIN	195 L / MIN	195 L / MIN
Dimensions (L X W X H)	MM	480 X 150 X 225 MM	470 X 180 X 250 MM	470 X 180 X 270 MM	610 X 230 X 410 MM
Weight	KG	10 KG	16.4 KG	17 KG	28.5 KG

- **Warranty** : One year from the date of commissioning. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorised Distributors are free from defects in materials and workmanship and will perform in full accordance with applicable specifications.
- In view of continuous development, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.
- Backed by dedicated customer care package.