

IGBT INVERTER PLASMA CUTTING MACHINE



INDUSTRIAL USE



CNC ON-SITE & MOBILE CUTTING APPLICATIONS



Thermal overload protection



Max cutting CUT-60H

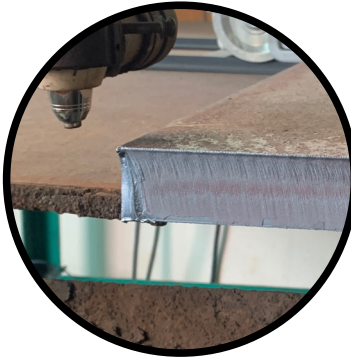


Max cutting CUT-80H

Features

- ★ Thanks to the advanced inverter technology, the machine is robust with powerful cutting capacity.
- ★ Able to be connected with CNC equipment to achieve automatic cutting; the connector is optional.
- ★ Powerful cutting capacity, narrow cutting seam and clean cutting edge.
- ★ 2T/4T self-locking function.
- ★ Pilot arc starting increases cutting capability and cutting speed, improving service life of torch kit.
- ★ Operation safety protection against over-voltage, low-voltage, over-current and over-heated.
- ★ Heavy duty cycle for industrial use.

Perfect cutting performance



Applications



Steel fabrication and machining



Petroleum pipeline



Maintenance and repair



Shipbuilding



Building and construction



Vehicle maintenance

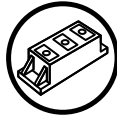
Technical Data

Model	CUT-60H	CUT-60H	CUT-80H
Power input AC(V)	1pH 220V ± 15%	3pH 380V ± 15%	3pH 380V ± 15%
Power input frequency(Hz)	50/60	50/60	50/60
Rated current input(A)	48.6	15	22
Rated output current(A)/voltage(V)	55/102	60/104	80/112
Cutting current range(A)	20-55	20-60	30-80
Open circuit voltage DC(V)	275	276	288
Rated duty cycle(%)	60	60	60
Max.cutting thickness(mm)	18	18	25
IP grade	IP21	IP21	IP21
Insulation grade	F	F	F
N.W. (kg)	12	10.5	19.3
Packing dimensions (mm)	515*320*395	515*320*395	625*360*460

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INDUSTRIAL USE



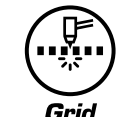
IGBT module



CNC ON-SITE & MOBILE CUTTING APPLICATIONS



2T/4T



Grid cutting



Thermal overload protection



Max cutting
CUT-160H



Max cutting
CUT-100H

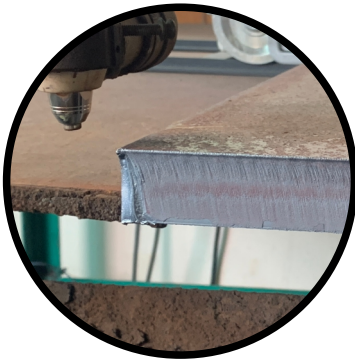


Max cutting
CUT-120H

Features

- ★ Thanks to the advanced inverter technology, the machine is robust with powerful cutting capacity.
- ★ Able to be connected with CNC equipment to achieve automatic cutting; the connector is optional.
- ★ Powerful cutting capacity, narrow cutting seam and clean cutting edge.
- ★ 2T/4T self-locking function.
- ★ Pilot arc starting increases cutting capability and cutting speed, improving service life of torch kit.
- ★ Operation safety protection against over-voltage, low-voltage, over-current and over-heated.
- ★ Heavy duty cycle for industrial use.

Perfect cutting performance



Applications



Steel fabrication and machining



Petroleum pipeline



Maintenance and repair



Shipbuilding



Building and construction



Vehicle maintenance

Technical Data

Model	CUT-100H	CUT-120H	CUT-160H
Power input AC(V)	3ph 380V ±15%	3ph 380V ±15%	3ph 380V ±15%
Power input frequency(Hz)	50/60	50/60	50/60
Rated current input(A)	29	35	44.2
Rated output current(A)/voltage(V)	100/120	120/128	160/144
Cutting current range(A)	30-100	30-120	30-160
Open circuit voltage DC(V)	295	300	370
Rated duty cycle(%)	60	60	60
Max.cutting thickness(mm)	40	45	55
IP grade	IP21	IP21	IP21
Insulation grade	F	F	F
N.W. (kg)	21	29	60
Packing dimensions (mm)	625*360*460	630*360*515	750*425*685