

PowerCUT-130HD

Professional-grade plasma cutting system for CNC up to 18mm

Advantages

- **Powerful output**-130A@100%, at 40°C(104°F), the quality cutting capacity is up to 38mm and CNC piercing 20mm;
- **High output voltage**-175VDC is as higher as PMX-125XP and it ensures a long plasma arc and shifts the cutting limitation;
- **Refined single-air system Torch**-requires higher pressure and arc voltage, which shift the cutting limitation;
- **Maximum productivity**-Finish jobs faster with cut speeds two and three times greater than other traditional cutting process;
- **Superior cut performance**-Significantly save a lot of time on secondary operations;
- **VIGOR's long-life consumable**-deliver operating cost that is less than half the competition;
- **VIGOR certified reliability**-ensures performance in the most demanding environment.



Cutting Capacity (Carbon Steel)

Capacity	Thickness	Cut Speed
	Cutting	
Dross Free(CNC)	16mm	1250mm/min
Pierce*	25mm	
Recommended	38mm	500mm/min
Severance (Hand Cutting)	60mm	125mm/min

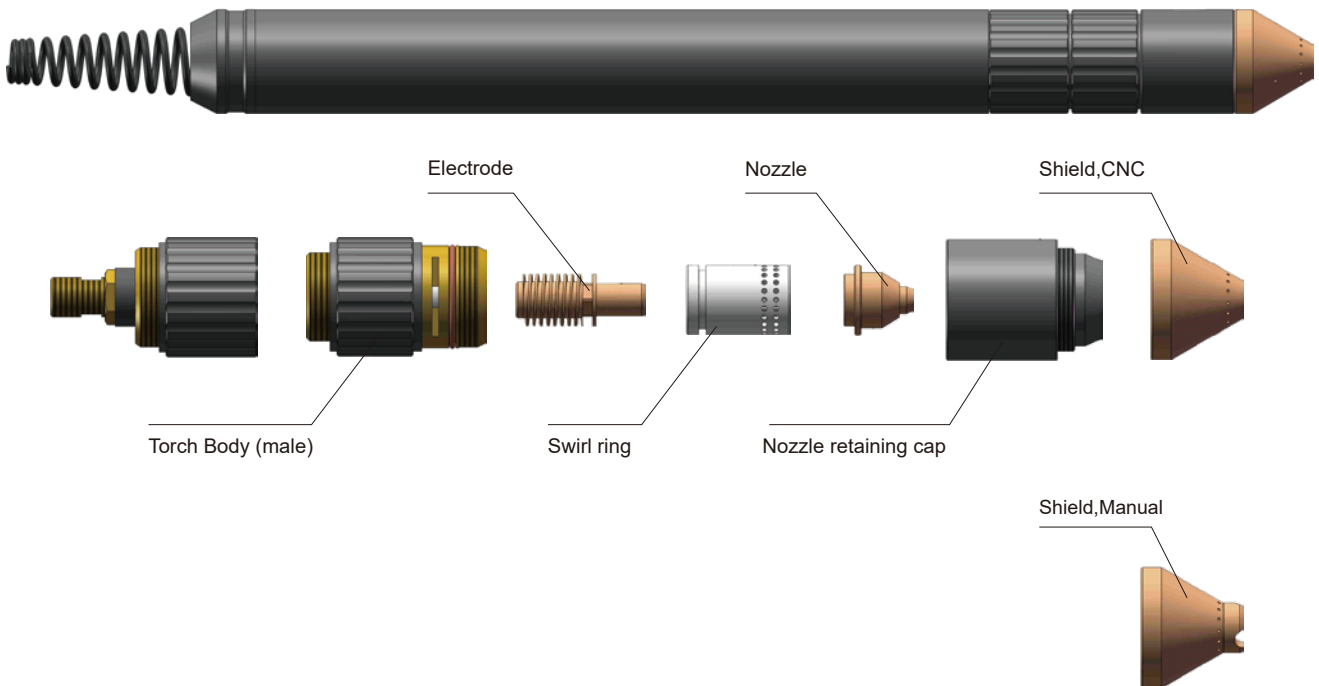
*Pierce rating for handheld using or with CNC torch height control

TP 130

Technical Data

Current	45A/100A/130A/160A
Maximum Voltage	180V*
Duty Cycle	130A/100%(Manual)
Gas	AIR
Pressure	≥0.6MPA
Gas Flow at 130A	260SLPM
Pilot	Electrode to Tip
Ignition	High Frequency

- Refined single-air system plasma torch
- With quick coupling torch body
- *Work with VIGOR high voltage power source to shift the cutting limitation



Torch consumable parts

Consumable type	Torch type	Amperage	Nozzle	Shield	Retaining cap	Electrode	Swirl ring	Torch body (male)
Drag-cutting	Hand	45A	TP090211	TP090302	TP0906	TP0901	TP0904	TP0909
		100A	TP090214					
		130A	TP090216					
		160A	TP090218					
CNC-cutting	Machine	45A	TP090211	TP090301	TP0906	TP0901	TP0904	TP0909
		100A	TP090214					
		130A	TP090216					
		160A	TP090218					

Specifications

System	PowerCUT-130HD
Input Voltages	380V/440V, 3PH, 50/60Hz
Max. Load Power Capacity	28.4KVA
Rated Output Voltage	175VDC
Max Output Current	130A
Open Circuit Voltage (OCV)	380VDC
Operating Temperature	-10°C~40°C
Duty Cycle Rating 40°C(105°F)	100%@130A
Dimensions	680*310*650mm
Weight	49KG
Torch	TP130, 7.5m
Recommended Gas Inlet	Cutting:
Flow Rate/Pressure	260 l/min(550 scfh) @ 5.9 bar(85 psi)
Certifications	CE, ROHS
Warranty	1-Years warranty for power source



Recommended VIGOR genuine accessories



- Auto-darkening helmet
- Large 9.3- square-inch viewing area
- Fast switching
- Dual sensors
- Always on-just to pick up and start cut and weld



- Fire resistant goatskin leather and suede.
- Padded areas for extra heat and abrasion protection.



- High quality air regulator kit



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