

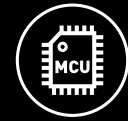


ARC 120/140/160

Range represents a step up from basic entry-level models while offering a more affordable alternative to high-end industrial machines. This range is offering enhanced large LED display, performance, versatility, and ease of use at a more affordable price point. This makes them a popular choice for a diverse range of welding applications and skill levels.

Portability/Stable Arc/Precise Settings/Start-up Performance/Fan on demand/Voltage Reduction Device (VRD)/Adjustability and Control/Lift Tig make ARC 120/140/160 popular choices among welders looking for efficiency, portability, and enhanced welding performance in various applications.

Machine Features



Precise Settings

LED display offers more precise control over welding parameters such as amperage and arc characteristics, allowing for better adaptation to different materials and thicknesses.



Portability

It is 2.4 kgs, it is typically smaller, lighter, and more compact than traditional welding machines, making them easier to transport and maneuver.



Stable Arc

Inverter technology often provides a more stable arc, which can lead to better weld quality and control.



Start-up Performance

It often has superior start-up characteristics, providing instant arc ignition and minimizing sticking during welding.



Fan on demand

Provides energy efficiency, reduced noise level and improved reliability.



Adjustability and Control

Comes with advanced controls for adjusting welding parameters such as Hot Start, Arc force and Anti-stick.



VRD Safe

Voltage Reduction Device (VRD)

Enhances safety by reducing the risk of electric shock both during welding and when the machine is idle.



Lift Tig

Allows welders to perform both stick(SMAW) welding and TIG(GTAW) welding using the same machine



Machine details:

Welding cable and electrode holder

Welding cables are flexible, highly quality insulation and heavy-duty cables designed to carry the electric current from the power source to the electrode holder and ultimately to the workpiece. High insulation, jaw mechanism and heat resistance ensure efficient welding operation and electrode performance.

Cable section can be selected from 6mm² to 120mm².

Color of PVC jacket can be customized.

Electrode holder types can be customized.



TIG 17-Torch

TIG 17 torch is generally a smaller and more compact torch. It typically features a smaller diameter handle and nozzle, making it suitable for welding in tight spaces. The TIG17 is often used for light to medium-duty applications. It is ideal for applications where control and maneuverability are important.



Earth cable and earth clamp

Earth cable and earth clamp play critical roles in electrical safety by providing reliable grounding connections to protect personnel, equipment and facilities from electrical hazards and ensure proper functioning of electrical and welding system.

Cable section can be selected from 6mm² to 120mm².

Color of PVC jacket can be customized.

Earth clamp types can be customized.



Reliability



275Volts tested in production



Moisture proof
Salt Spray proof
Corrosion proof



Over heat protection



Over voltage protection



Over current protection

Machine function



Single phase



Constant current



Voltage Reduction Device



Direct current



Moisture proof
Salt Spray proof
Corrosion proof



275Volts tested in production



Generator Friendly



Optional



Front view



Side view



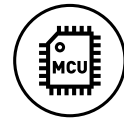
Rear view

Control Panel



Features

- LED screen display for all welding setting display.
- Welding mode select button for Stick, Stick VRD and Lift TIG.
- Stick mode display.
- Stick VRD mode display.
- Lift TIG mode display.
- Button for welding current, hot start and Arc force selection.
- Welding current adjustment.
- Hot start adjustment.
- Arc force adjustment.
- Encode for all welding data setting.
- Display of abnormal for over heat, over current.
- Electrode size selection.
- Encoder for All welding data settings.



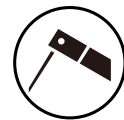
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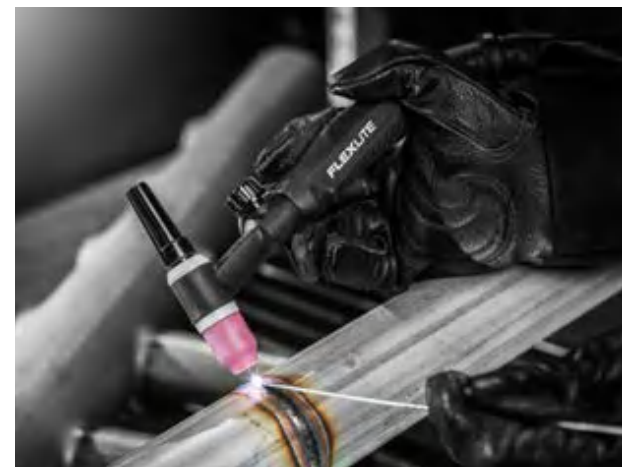
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Machine parameters:

Model	ARC 120	ARC 140	ARC 160
Input voltage	1-230V 50/60Hz		
Effective current(A)	11	13.3	15.2
Rated input current(A)	24.5	29.7	34.1
Rated input power(KW)	5.6	6.8	7.8
Duty cycle 40°C 10min	20%		
Welding current(A)	10-120	10-140	10-160
No load voltage(V)	69		
Efficiency	87%		
Power factor	0.6		
Insulation class	F		
Protection class	IP21S		
Dimensions(mm)	250*110*180		
Net weight(kg)	2.4		