

Air Plasma Cutting Machine with IGBT Technology

This air plasma cutting machine is designed for cutting with ordinary compressed air. It is widely applicable in industries such as petroleum, chemical, power supply, metallurgy, and shipbuilding.



Overview

High-Performance IGBT Plasma Cutting

This advanced air plasma cutting machine utilizes single-tube IGBT technology to deliver precise, clean cuts across a wide range of industrial materials. Designed for reliability in harsh environments, it features a robust three-defense system against dust, moisture, and corrosion. With digital controls and non-contact arc starting, it provides professional-grade performance for sectors including shipbuilding, aerospace, and metallurgy.

Technical Specifications

Input Power	380V ±20% 50/60 Hz
Rated Input Power Capacity	9.5 KVA
Output Current Adjustment Range	20-70
Duty Cycle	60 %
Max Cutting Thickness	25 mm

Performance Metrics

Performance Metrics

85 % Efficiency	0.93 COSφ Power Factor	280 V No-load Voltage
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Physical Characteristics

Dimensions and Weight

Attribute	Value
Weight	21 Kg
Dimensions	550 x 210 x 340 mm

Compatibility & Features

Industry Applications

- Petroleum Industry
- Chemical Industry
- Power Supply
- Metallurgy
- Shipbuilding
- Boilers
- Pressured Vessels
- Pipes
- Vehicles
- Aerospace

Protection Class

IP21S • Insulation Class F

Applicable Materials

Carbon Steel, Alloy Steel, Stainless Steel, Cast Iron, Aluminum, Copper