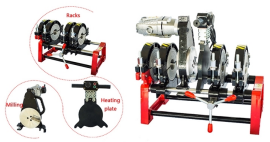
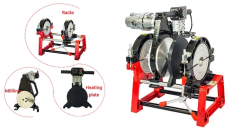
63-200mm Manual HDPE Pipe Butt Fusion Welding Machine

This manual machine welds high-density polyethylene (HDPE) pipes ranging from 63mm to 200mm in diameter using the butt fusion method. It utilizes a four-clamp system to securely hold pipes in place, ensuring precise alignment and optimal fusion for strong, leak-proof joints.



ADDITIONAL IMAGES



Product Overview

The 4-clamp system ensures secure alignment for pipes ranging from 63mm to 200mm.

Professional HDPE Pipe Welding Solution

This manual butt fusion welding machine is designed for joining high-density polyethylene (HDPE) pipes with diameters ranging from 63mm to 200mm. Featuring a robust four-clamp system, it ensures precise pipe alignment and secure holding for leak-proof joints in plumbing, gas distribution, and sewage systems. The machine's manual operation provides high control and accuracy, making it an ideal choice for both on-site construction and workshop applications.

Technical Performance

Performance Metrics

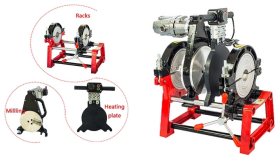
300 °C	0.2 mm	20 min
Max Temperature	Butt Deviation	Heating Time

Compatible Materials

PE • PPR • PB • PVDF

Welding Range	63mm, 75mm, 90mm, 110mm, 125mm, 140mm, 160mm, 200mm

Component Specifications



Full kit including racks, milling tool, and temperature-controlled heating plate.

Component Details

Component	Weight	Power Consumption
Racks	25.5 kg	N/A
Heating Plate	2.8 kg	1.8kw / 220v
Milling Tool	6.0 kg	0.9kw / 220v

Operating Conditions

Ambient Temperature Range	-40°C to 40°C
Temperature Deviation	±3°C

Physical Dimensions

Securely packed for international shipping with a gross weight of 42.4kg.

Gross Weight	42.4 kg
Packing Dimensions	61 x 43 x 42 cm

Operational Steps

Highly portable design suitable for various infrastructure and plumbing projects.

Standard Welding Procedure

- Fix the pipes on the machine frame with 5cm-8cm spacing
- Use milling cutter to prepare pipe ends until continuous cutting is achieved
- Insert heating plate once stable temperature is reached
- Apply pressure for fusion according to pipe size and environment
- Allow joint to cool to ambient temperature before removal