

Asphalt Bitumen Emulsion Production Plant, 6T Capacity

This equipment is designed for easy relocation to various construction sites and field operations. A high-efficiency heat exchanger cools the finished emulsified asphalt, improving storage stability and pre-heating cooling water to reduce production costs and promote energy efficiency.



Overview

High-Efficiency Asphalt Emulsion Production

This asphalt bitumen emulsion plant is engineered for mobile, field-based operations, featuring a robust foundation for easy transport and setup. It utilizes an advanced heat exchanger system to recycle thermal energy, significantly reducing production costs and environmental impact. With a high-precision colloid mill capable of achieving emulsion fineness under $5\mu\text{m}$, this plant ensures consistent, high-quality output suitable for various road construction applications.

Technical Specifications

Productivity	6 t/h
Emulsion Fineness	< $5\mu\text{m}$
Emulsifier Rotation Speed	2930 rpm
Mill Power	15 kW
Thermal Oil Heating Power	9 kW
Burner Power	1.0×10^5 kcal/h

Dimensions & Capacity

Dimensions (LxWxH)	4700x2150x2330 mm
Weight	4.5 t
Water Tank Volume	3 m ³
Emulsion Tank Volume	1.5 m ³ (2 tanks)

Key Features

Operational Advantages

- Mobile foundation design for field work
- Automatic temperature control for thermal oil and water systems
- Frequency governing motor for precise asphalt/water ratio control
- Pneumatic valve system to reduce labor intensity

Performance Highlights

15 m²

Heat Transfer Area

30 kWh

Max Capacitance

Material Composition

Stainless Steel, Wear-resistant, Corrosion-resistant