

Beam Pumping Unit with Steel Frame

This pumping unit utilizes quality profiles welded together, including the bracket, base, connecting rods, and beams. The surface has been treated with shot peening and coated with high-quality paint.



Product Overview

Reliable Oilfield Extraction Solution

This beam pumping unit is a widely utilized traditional oilfield equipment designed for efficient underground oil extraction. Powered by a common AC induction motor, it employs a crank and counterbalance system to drive sucker rods in a reciprocating motion. The unit is constructed from high-quality welded profiles, ensuring durability and long-term performance in demanding oil well environments.

Operational Mechanism

Drive System	Common AC induction motor drag
Motion Type	Fixed cycle up and down reciprocating motion
Energy Recovery	Converts mechanical energy into electrical energy back to the grid during load potential decrease

Construction & Materials

Main Components

- Bracket
- Base
- Connecting rods
- Walking beam
- Counterbalance system
- Access ladder

Material Specifications	Quality steel profiles welded together
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Manufacturing Quality

Quality Assurance	Flaw Detection, Weld Defect Inspection, Shot Peening Treatment
Surface Treatment	Coated with high-quality paint to prevent rust and corrosion

Application

Best For

Oilfield Extraction • Traditional Pumping • Sucker Rod Driving