

TECHNICAL SPECIFICATION SHEET

Model: Feihu 300 kg Class Walk-Behind Single-Drum Vibratory Roller

Engine Configuration: KAMA Air-Cooled Diesel Engine

Product Overview

The Feihu 300 kg walk-behind vibratory road roller is a compact, highly efficient single-drum compactor engineered for asphalt repairs, sidewalk paving, sports grounds, and narrow trench compaction. This specialized version features a premium KAMA air-cooled diesel powertrain, delivering high torque, exceptional fuel economy, and rugged durability compared to standard gasoline alternatives.

Mechanical & Compaction Specifications

Parameter	Specification Value
Operating Weight	300 kg (0.3 Ton)
Centrifugal / Exciting Force	15 kN
Vibration Frequency	70 Hz
Drum Width	600 mm
Drum Diameter	425 mm
Compaction Depth	20 - 25 cm (depending on soil type)
Travel Speed	0 - 4.0 km/h (Steplessly Variable)
Gradeability / Climbing Ability	25%
Drive Mechanism	Hydrostatic Drive Unit
Vibration Method	Mechanical Drive, Centrifugal Clutch Control
Overall Dimensions (L x W x H)	860 mm x 980 mm x 1050 mm

Powertrain: KAMA Diesel Engine Specification

Feature	Details
Engine Brand	Wuxi KAMA Power Co., Ltd.
Engine Model Options	KAMA 170F / 173F Series
Engine Type	Single-cylinder, 4-stroke, vertical, air-cooled diesel
Rated Power Output	3.2 kW to 3.7 kW (4.3 HP to 5.0 HP)
Starting System	Recoil Starter (Manual Pull) / Optional Electric Start
Fuel Type	Light Diesel Oil (0# in summer, -10# in winter)
Lube Oil Capacity	0.75 L to 1.1 L (SAE 10W-30 or 15W-40 CD grade)
Cooling System	Forced Flywheel Air Cooling

System Fluids & Capacities

System Fluid Type	Recommended Grade / Capacity
Hydraulic Oil	Anti-wear Hydraulic Oil ISO VG 46 / approx. 12 - 15 L
Exciter/Vibration Box	Gear Oil SAE 80W-90 / 0.5 L
Water Tank Capacity	15 L (For gravity-fed drum sprinkling)