

Impact Compaction Machine

This impact compaction machine employs rolling impact technology for subgrade pavement compaction. It delivers high power and continuous rolling for effective soil treatment.



Overview

High-Efficiency Impact Compaction

This advanced impact compaction machine is engineered for superior performance in large-scale infrastructure projects, including highways and airport runways. Utilizing high-energy, low-frequency impact, it achieves exceptional soil density and compaction depth, significantly outperforming traditional vibratory rollers. Its robust design features a hydraulic buffer system and efficient tractor connectivity, ensuring reliable operation and increased construction productivity.

Technical Specifications

Model	6830
Machine Weight	16200 kg
Impact Energy	30 kJ
Compaction Width	900 mm
Compaction Influence Depth	5.5 m
Required Tractor Power	235 kW

Performance Metrics

Compaction Productivity

4000 m³/h

Max Productivity

15 km/h

Max Working Speed

Compaction Quality

98% Compaction Degree • Effective Depth: 1m

Moisture Content Tolerance

Optimum moisture +/- 3% to 5%

Design & Features

Structural Characteristics

- Hydraulic cylinder with accumulator
- Traction axis with compression spring buffer
- Quick-change hydraulic connection
- Trailer support for road protection

Dimensions

Machine Dimensions

Dimension	Value (mm)
Length	4064
Width	2960
Height	2170