

# 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 m<sup>3</sup>/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