

GR180 Motor Grader

The GR180 motor grader is a high-performance earthmoving machine designed for road construction and land leveling. It features a robust frame, a powerful diesel engine, and a hydraulically controlled blade for precise grading.



Overview

High-Performance Earthmoving Solution

The GR180 Motor Grader is a robust machine engineered for precision road construction, land leveling, and heavy-duty grading applications. It features a powerful engine and a hydraulically controlled moldboard, ensuring efficient operation across demanding construction environments. With articulated steering and a spacious, high-visibility cab, this grader combines operator comfort with the maneuverability required for complex grading tasks.

Basic Specifications

Rated Power

138 kW

Rated Power at 2200rpm

140 kW

Rated Power at 2300rpm

Engine Model	6CTAA8.3 D6114
Dimensions (LxWxH)	8900x2625x3470mm
Operating Weight	15400 kg

Performance

Forward Travelling Speeds

- 5
- 8
- 11
- 19
- 23
- 38

Reverse Travelling Speeds

- 5
- 11
- 23

Tractive Force	79 KN
Max Gradeability	20 %

Operating Specifications

Steering and Articulation

Parameter	Value
Front Wheel Steering Angle	±50°
Front Wheel Lean Angle	±17°
Frame Articulation Angle	±27°
Min. Turning Radius	7.3m

Oscillation Angles

Front Axle: ±15°, Balance Box: 15°

Blade Specifications

Blade Performance

Metric	Value
Max. Lift Above Ground	450mm
Max. Cutting Depth	500mm
Blade Position Angle	90°
Blade Cutting Angle	28°—70°
Circle Rotation	360°

Moldboard Dimensions

3965 × 610 mm