

GR215 Motor Grader for Road Construction

The GR215 motor grader is a heavy-duty construction machine designed for road construction and maintenance. It features a powerful diesel engine and a hydraulically controlled moldboard for precise surface leveling.



Overview

High-Performance Motor Grader

The GR215 motor grader is a robust heavy-duty machine engineered for precision road construction, grading, and surface maintenance. Equipped with a powerful diesel engine and a highly adjustable hydraulic moldboard, it delivers consistent tractive force and operational efficiency in challenging environments. Its advanced articulation and steering capabilities ensure stability and maneuverability, making it an essential asset for large-scale infrastructure projects.

Engine & Dimensions

Rated Power

153 kW

Power (Option 1)

160 kW

Power (Option 2)

Engine Models	6CTAA8.3, 6CTA8.3
Operating Weight	16500 kg
Dimensions (LxWxH)	8970 x 2625 x 3470 mm

Performance

Travelling Speeds

Direction	Speeds (km/h)
Forward	5, 8, 11, 19, 23, 38
Reverse	5, 11, 23

Tractive Force	82 kN
Max Gradeability	20 %

Operating Specs

Steering & Articulation

- Max steering angle of front wheels: $\pm 50^\circ$
- Max lean angle of front wheels: $\pm 17^\circ$
- Frame articulation angle: $\pm 27^\circ$
- Min turning radius using articulation: 7.3m

Oscillation Angles

- Front axle: $\pm 15^\circ$
- Balance box: 15°

Blade Specifications

Blade Operation Capabilities

- Maximum lift above ground: 450mm
- Maximum depth of cutting: 500mm
- Maximum blade position angle: 90°
- Blade cutting angle: 28° — 70°
- Circle reversing rotation: 360°

Moldboard Dimensions

4270 x 610 mm