

GR215

Motor Grader



Operate Weight: 37478 lb
Engine Power: 215 hp



INTENSUS

GR215

SERIES
MOTOR GRADER



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MOTOR GRADER

SPECIFICATIONS

MAIN FEATURES

215HP Diesel Engine
6 Speed Power Shift Transmission
2 Drive Axles with no spin differentials
Rexroth Service Brakes
Frame Articulation
High Visibility Enclosed Cab
All Hydraulic Blade Functions

WEIGHT

Weight with standard equipment
Operating weight 17,000kg (37,478lb)
Weight on front axle 5,100kg (11,234lb)
Weight on rear axles 11,900kg (26,235lb)
Weight to be adjusted by addition of optional equipment

WORKING CAPABILITY

Maximum drawbar pull 87KN



ENGINE

Cummins Engine Co.
Model 6CT8.3-C215
Power 160kw / 215hp
Max. Torque at 2,200rpm



BRAKES

Foot Operated Hydraulic Brakes on 4 Rear Wheels
Multi-Disk Brakes running in Oil Bath for Long Life
Mechanical Parking Brake on Transmission
Output shaft



TRANSMISSION

Model ZF6 WG200 Poweshift transmission
with Electric/Hydraulic shift
6 Forward Speeds
1st gear 5 km/h (3.1 mph)
2nd gear 8.5 km/h (5.3 mph)
3rd gear 11km/h(6.8 mph)
4th gear 19 km/h (11.8 mph)
5th gear 23.5 km/h (14.6 mph)
6th gear 38.5 km/h (23.9 mph)

3 Reverse Speeds
1st gear 5km (3.1 mph)
2nd gear 11km/h (6.8 mph)
3rd gear 23.5 km/h (14.6 mph)

FINAL DRIVE

Meritor Rear Axle with limited slip
differential Tandem Chain Drive Rear Wheels

FRONT AXLE

Heavy Duty Articulating design
Steering Angle $\pm 45^\circ$
Inclined Angle $\pm 17^\circ$
Swinging Angle $\pm 15^\circ$
Clearance 630mm (24.8in)



STEERING

Fully Hydraulic load sensing steering system
and Articulating frame providing excellent maneuverability
Articulating Steering Angle $\pm 25^\circ$
Min. Turning Radius 7.8m (25.6ft)



HYDRAULIC SYSTEM

Dual pump circuit for separate steering and blade functions

Fully Hydraulic load sensing steering

Working functions - Duplex gear pump

Featuring 2 integral Five-way multiplex change valves

CIRCLE

High strength Welded Construction with replaceable nylon wear strips 360°

Rotation fully Sealed Hydraulic motor and gear box

FRAME

High Strength Welded construction.

Articulated for maneuverability.

High strength welding by state of the art robotic welders.



ELECTRICAL SYSTEM

24 Volt System

2-12 Volt Batteries in Series 135 A/H each

MOLD BOARD

Blade dimensions :

Length 4270mm (167in.)

Height 610mm (24in.)

Working data:

Cutting depth 500mm (19.7in.)

Sloping angle 90°

Max. lift above ground 460mm (18.1in.)



CAB

Fully enclosed high visibility cab

Optional air conditioning

Adjustable control console

Adjustable suspension seat

Unique diamond shaped cab with large glass area for exceptional visibility of blade.

Designed with operator comfort and productivity in mind

OPTIONAL EQUIPMENT

Air conditioning

AM/FM Radio

Rear ripper

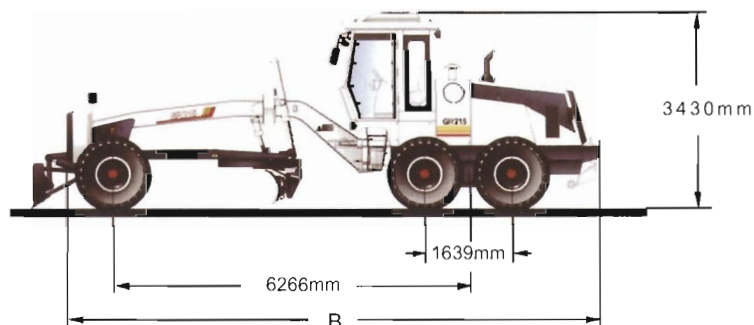
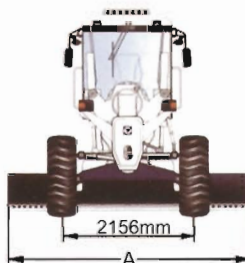
Front dozer blade

Automatic leveling unit MOBA or TOPCom

Rolling Plate mechanism

Front Dozer Blade

■ DIMENSIONS



	GR180	GR215
A	3965mm	4270mm
B	9298mm	9422mm

GR

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