



XCMG

XUZHOU CONSTRUCTION MACHINERY GROUP IMP. & EXP. CO., LTD



CAMC VIAL

Ruta 40 y Calle 7, SAN JUAN - ARGENTINA



(+54-264) 4262275

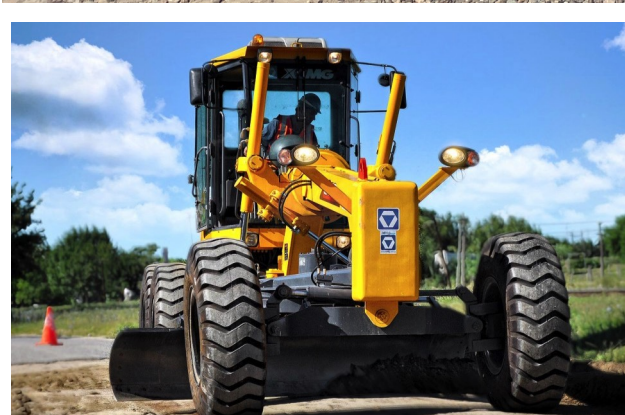


ARGENTINA

+54-2644998650



info@camcvial.com.ar



XCMG For Your Success

Motor

Cummins 6CTA8.3

Potencia (HP)

190

Peso Total (kg)

15400

MOTONIVELADORAS

GR 180

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GR Series Motor Grader

GR100\GR135\GR165\GR180\GR200
GR215\GR230\GR260\GR300
GR215A\GH215

XCMG GR Series Motor Grader is widely used in large area terrain levelling, trenching, bulldozing, soil loosening and snow removal operations for roads, airports and farmlands. In addition, the machines have also been used in national defense, mining, urban and rural development, water conservation and farmland projects.



Main Technical Parameters

Model		GR100	GR135	GR165	GR180	GR200	GR215	GR230	Unit
Engine	Manufacture	Dongfeng Cummins	Dongfeng Cummins	Dongfeng Cummins / Shanghai Diesel Engine	Dongfeng Cummins / Shanghai Diesel Engine	Shanghai Diesel Engine	Imported Cummins / Dongfeng Cummins	Dongfeng Cummins	
	Engine model	4BTA3.9	6BT5.9	6BTA5.9/SC8D170G2B1	CTAA8.3/SC8D190G2B1	SC8D200G2B1	CTAA8.3/6CTA8.3	6CTA8.3-C230- II	
	Rated power/rotated speed	74/2200	97/2200	125/2200	138/2200 140/2300	147/2300	153/2200 160/2200	172/2200	kw/rpm
	Forward speed	5,8,11,17,24,38	5,8,13,20,30,42	5,8,11,19,23,38	5,8,11,19,23,38	5,8,11,19,23,38	5,8,11,19,23,38	5,8,11,19,23,38	km/h
Performance parameters	Rearward speed	5,11,24	5,13,30	5,11,23	5,11,23	5,11,23	5,11,23	5,11,23	km/h
	Tractive force (f=0.8)	41.6	61.3	82	84	87	90	90	kN
	Max.gradeability	30	30	30	30	30	30	30	%
	Min.turning radius	5.9	6.6	7.3	7.3	7.3	7.3	7.3	m
Operating parameters	Max. Lifting height	300	410	450	450	450	450	450	mm
	Max. shoveling depth	350	515	500	500	500	500	500	mm
	Max. side-tipping angle	45	90	90	90	90	90	90	°
Blade	Cutting angle	28~70	54~90	28~70	28~70	28~70	28~70	28~70	°
	Slewing angle	120	360	360	360	360	360	360	°
	Length x chord height	3048x450	3660 × 610	3660 × 610/3965 × 610	3660 × 610/3965 × 610	4270x610	3965 × 610/4270 × 610	4270x610	mm
Overall dimensions (LxWxH)		6880x2375x3150	8015x2380x3050	8900x2625x3470	8900x2625x3470	8932x2625x3470	8970x2625x3470	8970x2625x3470	mm
Operating Weight (Standard)		7000	11200	15000	15400	16000	16500	16500	kg

Model		GR260	GR300	GR215A	GR180R	GR215H	GR215LII	GH215	Unit
Engine	Manufacture	Dongfeng Cummins	Imported Cummins	Imported Cummins / Dongfeng Cummins	Imported Cummins	Dongfeng Cummins	Dongfeng Cummins	Imported Cummins / Dongfeng Cummins	
	Engine model	6CTA8.3-C260- II	QSL9	QSB6.7/6CTA8.3-C215- II	QSB6.7	6CTA8.3-C215- II	6CTA8.3-C215- II	QSB6.7/6CTA8.3- II	
	Rated power/rotated speed	194/2200	224/2100	164/2200 160/2200	142/2050	160/2200	160/2200	164/2200 160/2200	kw/rpm
	Forward speed	5,8,11,19,23,38	5,8,11,19,23,40	5,8,13,19,23,38	3,8,6,6,8,7,15,19,32	5,8,11,19,23,38	5,8,11,19,23,38	5,8,11,16,26,38	km/h
Performance parameters	Rearward speed	5,11,23	5,11,23	5,11,23	3,8,8,7,19	5,11,23	5,11,23	5,8,11,16,26,38	km/h
	Tractive force (f=0.8)	132	143	115.3	80	90	90	98	kN
	Max.gradeability	36	36	36	30	30	30	30	%
	Min.turning radius	8.3	8.3	7.3	7.3	7.3	7.3	7.3	m
Operating parameters	Max. Lifting height	450	450	450	460	450	450	450	mm
	Max. shoveling depth	500	500	500	500	500	500	500	mm
	Max. side-tipping angle	90	90	90	90	90	90	90	°
Blade	Cutting angle	28~70	28~70	28~70	28~70	28~70	28~70	28~70	°
	Slewing angle	360	360	360	360	360	360	360	°
	Length x chord height	4572x787	4877x787	4270x610	3660 × 610	4270x610	4270x610	4270x610	mm
Overall dimensions (LxWxH)		10280x3100x3550	10500x3100x3550	9180x2625x3470	8900x2625x3470	8970x2625x3300	8970x2625x3300	9105x2625x3470	mm
Operating Weight (Standard)		24000	26000	16100	14500	16500	16500	16500	kg

Two blade length options are available for users to choose from.



D series motor grader GR180

Introduction :

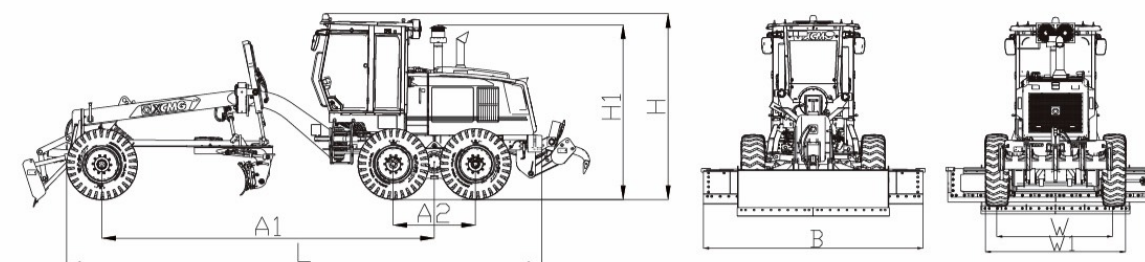
The grader is mainly used for large ground surface leveling, ditching, slope scraping, bulldozing, scarifying, snow removing and other work in highway, airport and farmland. The grader is necessary engineering machinery for national defense construction, mine construction, urban and rural road construction, water conservancy construction and farmland improvement, etc.

Standard Details:

- ☒ Adjustable console
- ☒ LED work lights
- ☒ Suspension safety belts seat
- ☒ Electric horn
- ☒ Reversing alarm
- ☒ Combination instrument
- ☒ Rotating alarm light
- ☒ Slewing bearing
- ☒ Overload protection worm gear case

Option Details:

- ☐ Front bulldozer
- ☐ Back ridger
- ☐ Hydraulic pull pin
- ☐ Fender
- ☐ ROPS&FOPS cab
- ☐ Automatic leveling system



Dimensions in mm:

	A1	A2	B	H	H1	L	W	W1
GR180	6219	1538	3965	3420	3160	8900	2156	2625

Technical Data:

Basic parameters

Engine model.....		6CTA8.3-C190- II
Rated power/Rotation rate.....	r/min	142/2200
Complete machine appearance dimensions (standard).....	mm	8900×2625×3420
Complete machine weight (standard).....	kg	15400
Tire specifications.....		17.5-25RP12
Ground clearance (front axle).....	mm	430
Wheelbase.....	mm	2156
Front and behind bridge distance.....	mm	6219
Middle and behind wheelbase.....	mm	1538

Performance parameters

Forward speed.....	km/h	5、 8、 11、 19、 23、 38
Backward speed.....	km/h	5、 11、 23
Traction.....	kN	≥79
Maximum climbing capacity.....	%	≥25
Tire inflation pressure.....	kPa	260
Operating system pressure.....	MPa	18
Transmission pressure.....	MPa	1.3-1.8

Operating parameters

The maximum steering angle of the front wheel.....	°	±49
The maximum tilt angle of the front wheel.....	°	±17
The maximum swing angle of front axle.....	°	±15
The maximum swing angle of the balance box.....	°	Front 15 °, rear 15 °
The maximum steering angle of the frame.....	°	±27
Minimum turning radius.....	m	7.3
Maximum lifting height.....	mm	450
Maximum shovel depth.....	mm	500
Maximum lean angle.....	°	90
Cutting angle.....	°	28~70
Rotating angle.....	°	360
Length x chord height.....	mm	3965×610

Oil filling

Coolant.....	L	50
Fuel tank.....	L	280
Engine.....	L	24
Transmission.....	L	38
Balance box.....	L	46
Drive axle.....	L	28
Hydraulic oil.....	L	110

Application Case-Studies



Shandong interprovincial highway construction plans



Grader used by Sudan Peace keeping troops



Construction of Dashan Highway



Erdos open pit construction plans



Inner Mongolia Open Mine Construction Plans



Construction in Dezhou City, Shandong

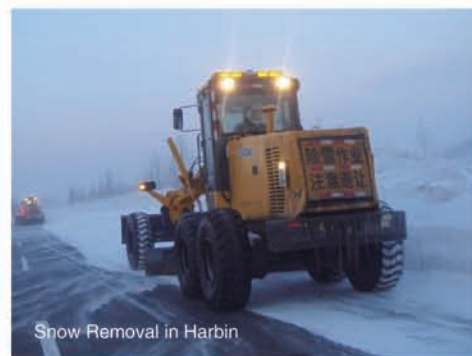
Application Case-Studies



Inner Mongolia Open Mine Construction Plans



Site Leveling at Qingdao



Snow Removal in Harbin



Huai'an Economic Development Zone Construction



Wenchuan disaster relief



Las Vegas Show