

KOREX MOTOR GRADER

MODEL KMG365H | 365AH | 442H | 442AH | 432H | 426H



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KOREX MOTOR GRADER PERFORMANCE ADVANTAGES

The motor grader is mainly used for ground leveling, ditching, slope scraping, bulldozing, scarification, snow removal for large areas such as highway, airports, farmlands etc. It is the necessary construction machinery for national defense construction, mine construction, urban and rural road construction and water conservancy construction, farmland improvement and so on.



EASY AND CONVENIENT OPERATION

A wide working range is accomplished through flexible blade suspension system and articulated frame.



RELIABLE FULL HYDRAULIC BRAKE SYSTEM ENSURES SAFETY.



COMFORTABLE CABIN

Full-closed cabin with the visibility up to 47%.



CONVENIENT MAINTENANCE

The engine, transmission are easily accessible to achieve convenient maintenances.



FLEXIBLE BLADE SUSPENSION SYSTEM

Ideal axle load allocation provides excellent stability while cutting hard surface.



CORE COMPONENTS

- Heavy-duty design ensures high firmness and reliability
- Maintenance-free high reliability brake system



ENGINE

Equipped with Cummins engine that features strong power and low oil consumption.



TRANSMISSION

Technology transmission with single handle that features perfect performance and easy operation.



MULTI-WAY VALVE & BOOSTER

Adopted components in crucial places greatly enhance reliability and High efficiency and energy savings through valves.



AUTOMATIC LEVELING DEVICE

The most versatile, efficient and economical slope indicating system in the road building and construction industry.



COMFORTABLE CABIN

Easy control, wide field of vision and high operating comfort



IMPORTED PUMP

High efficiency and energy saving with load-sensitive pumps and valves.

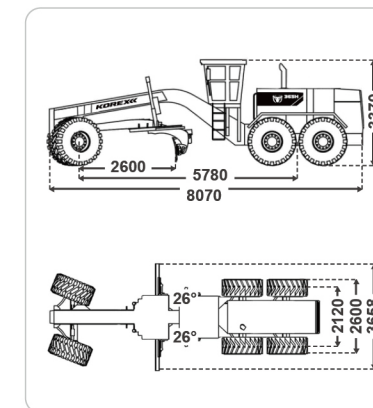


MOTOR GRADER I KMG365H

- All maintenance points are easily accessible to improve the safety, shorten the maintenance time, and ease the daily maintenances.



EXTERIOR DRAWING



SPECIFICATION

KMG365H

Model		Unit	KMG365H					
Engine	Brand/Model	-	Cummins / 6BT5.9					
	Type	-	Direct injection, Turbocharged, Water cooling					
	Rated Power	Kw	97kW					
	Rated Speed	rpm	2,200rpm					
Transmission System	Gearshift	-	1st	2nd	3rd	4th	5th	6th
	Forward speed	-	6.9	10.7	17.3	26	37.8	53.4
	Reverse speed	-	6.9	17.3	37.8	-	-	-
Hydraulic Brakes	System pressure	mpa	17.5mpa					
	Flow rate at engine rated speed	L/min	99L/min					
Steering System	Max. turning range	°	Left or right 49°					
	Frame articulation	°	Left or right 26°					
	Min. turning radius	mm	6,600mm					
	System pressure	mpa	16mpa					
	Flow rate at engine rated speed	L/min	55L/min					
Axles	Front axle	-	Ground clearance 610mm and oscillation angle (total)±16°					
	wheel lean angle	°	Right or left 17°					
	Rear axle	-	Full-floating rear axle with NO-SPIN differential					
Tandem Drive	Tandem oscillation	-	13° forward and reverse					
	Final driving	-	Spiral bevel gear, single stage reduction					
	Tandem drive	-	Double row roller-chains					
Brakes	Service brake	-	Hydraulic brake system, drum brake					
	Parking brake	-	Flexible shaft control actuated inner-expanding drum brake					
Moldboard	Dimensions	mm	3,658mm x 545mm x 16mm					
	Moldboard side shift	mm	Right	815mm				
Blade Range	Max. shoulder reach outside rear tires (frame straight)	Right	815mm					
		Left	815mm					
	Max. lift above ground	Right	2,000mm					
		Left	2,000mm					
	Max. grading depth	mm	450mm					
	Max. blade angle, right or left	mm	535mm					
Blade tip angle	°	90°						
Tyre	Blade tip angle	°	29~77°					
	Tyre size	-	17.5-25-12PR / L-3					
	Fuel tank	L	270L					
Refill Capacity	Transmission	L	28L					
	Crank case	L	17L					
	Rear axle	L	18L					
	Tandem housing(each)	L	45L					
	Hydraulic system	L	47L					

ATTACHMENT



SCARIFIER



RIPPER



FIXED DOZER BLADE



FOLDING VEE PLOW



HYDRAULIC BROOM



FRONT BLADE



ONE WAY PLOW



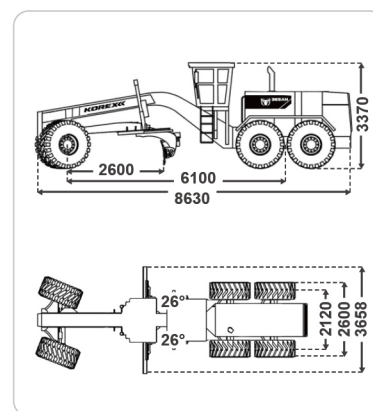
VEE PLOW

MOTOR GRADER I KMG365AH

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EXTERIOR DRAWING



SPECIFICATION

KMG365AH

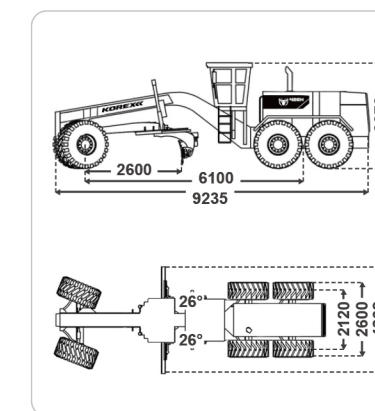
Model		Unit	KMG365AH					
Engine	Brand/Model	-	Cummins 6BTA5.9 / ShangChai SC8D170G2B1					
	Type	-	Dircet injection, Turbocharged, Water cooling					
	Rated Power	Kw	132/125kW					
	Rated Speed	rpm	2,200rpm					
Transmission System	Gearshift	-	1st	2nd	3rd	4th	5th	6th
	Forward speed	-	6.5	11.4	14.6	24.8	30	49.2
	Reverse speed	-	6.5	14.6	30	-	-	-
Hydraulic Brakes	System pressure	mpa	17.5mpa					
	Flow rate at engine rated speed	L/min	99L/min					
Steering System	Max. turning range	°	Left or right 49°					
	Frame articulation	°	Left or right 26°					
	Min. turning radius	mm	7,300mm					
	System pressure	mpa	16mpa					
	Flow rate at engine rated speed	L/min	55L/min					
Axles	Front axle	-	Ground clearance 610mm and oscillation angle (total)±16°					
	wheel lean angle	°	Right or left 17°					
	Rear axle	-	Full-floating rear axle with NO-SPIN differential					
Tandem Drive	Tandem oscillation	-	13° forward and reverse					
	Final driving	-	Spiral bevel gear, single stage reduction					
	Tandem drive	-	Double row roller-chains					
Brakes	Service brake	-	Hydraulic brake system, drum brake					
	Parking brake	-	Flexible shaft control actuated inner-expanding drum brake					
Moldboard	Dimensions	mm	3,658mm x 545mm x 16mm					
Blade Range	Moldboard side shift	Right	815mm					
		Left	815mm					
	Max. shoulder reach outside rear tires (frame straight)	Right	2,000mm					
		Left	2,000mm					
	Max. lift above ground	mm	450mm					
	Max. grading depth	mm	535mm					
	Max. blade angle, right or left	°	90°					
Blade tip angle	°	29~77°						
Tyre	Tyre size	-	17.5-25-12PR / L-3					
	Fuel tank	L	330L					
Refill Capacity	Transmission	L	27L					
	Crank case	L	17L/24					
	Rear axle	L	18L					
	Tandem housing(each)	L	45L					
	Hydraulic system	L	47L					
	Circle reverse housing	L	3.8L					

MOTOR GRADER I KMG426H

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EXTERIOR DRAWING



SPECIFICATION

KMG426H

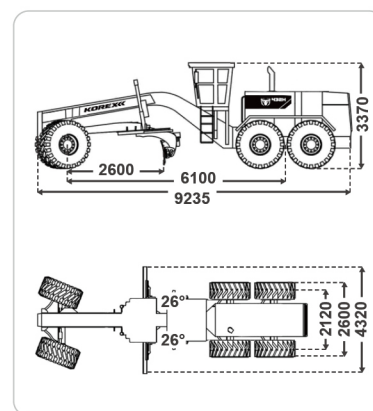
Model		Unit	KMG426H					
Engine	Brand/Model	-	Cummins 6BTA5.9 / ShangChai SC11CB195G2B1					
	Type	-	Dircet injection, Turbocharged, Water cooling					
	Rated Power	Kw	142/143kW					
	Rated Speed	rpm	2,200rpm					
Transmission System	Gearshift	-	1st	2nd	3rd	4th	5th	6th
	Forward speed	-	6.5	11.4	14.6	24.8	30	49.2
	Reverse speed	-	6.5	14.6	30	-	-	-
Steering System	Max. turning range	°	Left or right 49°					
	Frame articulation	°	Left or right 26°					
	Min. turning radius	mm	7,300mm					
	System pressure	mpa	16mpa					
	Flow rate at engine rated speed	L/min	55L/min					
Axles	Front axle	-	Ground clearance 610mm and oscillation angle (total)±16°					
	wheel lean angle	°	Right or left 17°					
	Rear axle	-	Full-floating rear axle with NO-SPIN differential					
Tandem Drive	Tandem oscillation	-	13° forward and reverse					
	Final driving	-	Spiral bevel gear, single stage reduction					
	Tandem drive	-	Double row roller-chains					
Brakes	Service brake	-	Hydraulic brake system, drum brake					
	Parking brake	-	Flexible shaft control actuated inner-expanding drum brake					
Moldboard	Dimensions	mm	4,268mm x 545mm x 16mm					
Blade Range	Moldboard side shift	Right	815mm					
		Left	815mm					
	Max. shoulder reach outside rear tires (frame straight)	Right	2,000mm					
		Left	2,000mm					
	Max. lift above ground	mm	450mm					
	Max. grading depth	mm	535mm					
	Max. blade angle, right or left	°	90°					
Blade tip angle	°	29~77°						
Tyre	Tyre size	-	17.5-25-12PR / L-3					
	Fuel tank	L	340L					
Refill Capacity	Transmission	L	27L					
	Crank case	L	28L					
	Rear axle	L	18L					
	Tandem housing(each)	L	45L					
	Hydraulic system	L	90L					
	Circle reverse housing	L	3.8L					

MOTOR GRADER I KMG432H

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EXTERIOR DRAWING



SPECIFICATION

KMG432H

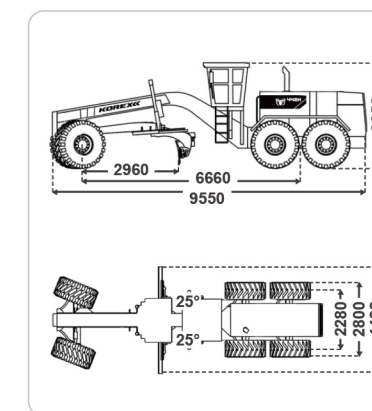
Model		Unit	KMG432H					
Engine	Brand/Model	-	SHANG CHAI / SC11CB220G2B1					
	Type	-	Dircet injection, Turbocharged, Water cooling					
	Rated Power	Kw	162kW					
	Rated Speed	rpm	2,200rpm					
Transmission System	Gearshift	-	1st	2nd	3rd	4th	5th	6th
	Forward speed	-	6.86	11.78	15.51	26.17	32.59	50.86
	Reverse speed	-	6.86	15.51	32.59	-	-	-
Steering System	Max. turning range	°	Left or right 49°					
	Frame articulation	°	Left or right 26°					
	Min. turning radius	mm	7,400mm					
Axles	Front axle	-	Min Ground clearance 610mm and oscillation angle(total)±16°					
	wheel lean angle	°	Right or left 17°					
Tandem Drive	Rear axle	-	Full-floating rear axle with NO-SPIN differential					
	Tandem oscillation	-	13° forward and reverse					
	Final driving	-	Spiral bevel gear, single stage reduction					
Brakes	Tandem drive	-	Double row roller-chains					
	Service brake	-	Hydraulic brake system, drum brake					
Moldboard	Parking brake	-	Flexible shaft control actuated inner-expanding drum brake					
	Dimensions	mm	4,320mm×545mm×16mm					
Blade Range	Moldboard side shift	Right	mm	815mm				
		Left	mm	815mm				
	Max. shoulder reach outside rear tires (frame straight)	Right	mm	2,425mm				
		Left	mm	2,425mm				
	Max. lift above ground	mm	450mm					
	Max. grading depth	mm	535mm					
Tyre	Max. blade angle, right or left	°	90°					
	Blade tip angle	°	29~77°					
Refill Capacity	Tyre size	-	17.5-25-14PR(standard) / 14.00-24(optional)					
	Fuel tank	L	340L					
	Transmission	L	27L					
	Crank case	L	28L					
	Rear axle	L	18L					
	Tandem housing(each)	L	45L×2					
Hydraulic system	L	90L						

MOTOR GRADER I KMG442H

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EXTERIOR DRAWING



SPECIFICATION

KMG442H

Model		Unit	KMG442H					
Engine	Brand/Model	-	Cummins / QSL8.9-C260-30					
	Type	-	Dircet injection, 6 Cylinder in-line, 4 stroke, Water cooling					
	Rated Power	Kw	194kW					
	Rated Speed	rpm	2,200rpm					
Transmission System	Max. touque	N.m/rpm	1200.m@1500rpm					
	Gearshift	-	1st	2nd	3rd	4th	5th	6th
	Forward speed	-	5.8	8.9	14.2	21.6	33.2	48.9
Hydraulic Brakes	Reverse speed	-	6.1	15.0	34.9	-	-	-
	System pressure	mpa	23mpa					
Steering System	Flow rate at engine rated speed	L/min	Load sensing variable flow hydraulic system					
	Max. turning range	°	Left or right 49°					
	Frame articulation	°	Left or right 25°					
Axles	Min. turning radius	mm	8,600mm					
	System pressure	mpa	16mpa					
Tandem Drive	Flow rate at engine rated speed	L/min	Load sensing variable flow hydraulic steering system					
	Front axle	-	Ground clearance 610mm and oscillation angle (total)±16°					
	wheel lean angle	°	Right or left 17°					
Brakes	Rear axle	-	Full-floating rear axle with NO-SPIN differential					
	Tandem oscillation	-	13° forward and reverse					
Moldboard	Final driving	-	Spiral bevel gear, single stage reduction					
	Tandem drive	-	Double row roller-chains					
Blades	Service brake	-	Dual circuit hydraulic brake system, disk brake					
	Parking brake	-	Flexible shaft control actuated inner-expanding drum brake					
Blade Range	Moldboard side shift	Right	mm	715mm				
		Left	mm	685mm				
	Max. shoulder reach outside rear tires (frame straight)	Right	mm	2,230mm				
		Left	mm	1,970mm				
	Max. lift above ground	mm	425mm					
	Max. grading depth	mm	470mm					
Tyre	Max. blade angle, right or left	°	90°					
	Blade tip angle	°	36~66°					
Refill Capacity	Tyre size	-	20.5-25-16PR / L-2					
	Fuel tank	L	475L					
	Transmission	L	35L					
	Crank case	L	30L					
	Rear axle	L	80L					
	Tandem housing(each)	L	165L					
Hydraulic system	L	100L						

