



HG170 / HG220

HD HYUNDAI
CONSTRUCTION EQUIPMENT
Head Office(Sales Office)

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PLEASE CONTACT

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Model	Engine		Transmission	Moldboard	Operating Weight
HG170	Cummins 6BTA5.9	132kW (178 hp)	Power shift (ZF Technology),	3,658 mm	14.5 ton
HG220	Cummins 6CTA8.3	160kW (215 hp)		4,320 mm	15.8 ton

* Photo may include optional equipment.

SPECIFICATION

ENGINE		
	HG170	HG220
Model	6BTA5.9-C180	6CTA8.3-C215
Type	Vertical, in-line, water-cooled, 4 strokes	
Aspiration	turbocharged aftercooling	
No. of cylinders	6	6
Bore	102 mm	114 mm
Stroke	120 mm	135 mm
Piston displacement	5.9 L	8.3 L
Horsepower - Gross	132kW/2,200rpm	160kW/2,200rpm
Maximum torque	750Nm/1,300rpm	908Nm/1,500rpm
Torque rise	30%	31%
Air cleaner	Dry type	Dry type
Electrical	28V,55A	28V, 70A
Battery	12V*2 ; 900cca	12V*2 ; 900cca

TRANSMISSION AND TORQUE CONVERTER		
	HG170	HG220
Speed (at rated engine speed)	Forward / Reverse (km/h)	
1st	6.5/6.5	6.88/6.88
2nd	11.4/14.6	11.85/15.65
3rd	14.6/30	15.65/33.45
4th	24,8	26,68
5th	30	33,45
6th	49,2	52,74

TANDEM DRIVE			
		HG170	HG220
Oscillating welded box section		614*225 mm	614*225 mm
Side wall thickness	Inner	22 mm	22 mm
	Outer	22 mm	22 mm
Wheel axle spacing		1,535.4 mm	1,535.4 mm
Tandem oscillation		± 13 °	± 13 °

FRONT AXLE		
	HG170	HG220
Type	Solid bar construction welded steel sections	
Ground clearance at pivot	610 mm	610 mm
Wheel lean angle, right or left	± 17 °	± 17 °
Oscillation, total	32 °	32 °

REAR AXLE		
	HG170	HG220
Alloy steel, heat treated, full floating axle with lock/unlock differential	NO-SPIN differential	

STEERING		
	HG170	HG220
Hydraulic power steering providing stopped engine steering meeting ISO 5010	Hydraulic power steering	
Minimum turning radius	7.3 mm	7.3 mm
Maximum steering range, right or left	49 °	49 °
Articulation	± 26 °	± 26 °

BRAKES		
	HG170	HG220
Service brake	Foot operated, hydraulically actuated on four tandem wheels, 3.613cm² total braking surface	
Parking brake	Flexible shaft control, drum brake	

FRAME		
	HG170	HG220
Height	302 mm	302 mm
Width	280 mm	280 mm
Side	16 mm	22 mm
Upper, Lower	25 mm	25 mm

DRAWBAR		
	HG170	HG220
	A-shaped, u-section press formed and welded construction for maximum strength with a replacable drawbar ball	
Drawbar frame	210*16 mm	210*16 mm

CIRCLE		
	HG170	HG220
	Four circle support shoes with replaceable wear surface, Circle teeth hardened on front 180° of circle	
Diameter (outside)	1,410 mm	1,410 mm
Circle reversing control hydraulic rotation	360 °	360 °

MOLDBOARD		
	HG170	HG220
	Replaceable metal wear inserts, cutting edge and bits, Cutting edge and end bits are hardened,	
Dimensions	3,658*580*18 mm	4,320*580*22 mm
Arc radius	329 mm	329 mm
Cutting edge	152*16 mm	152*16 mm

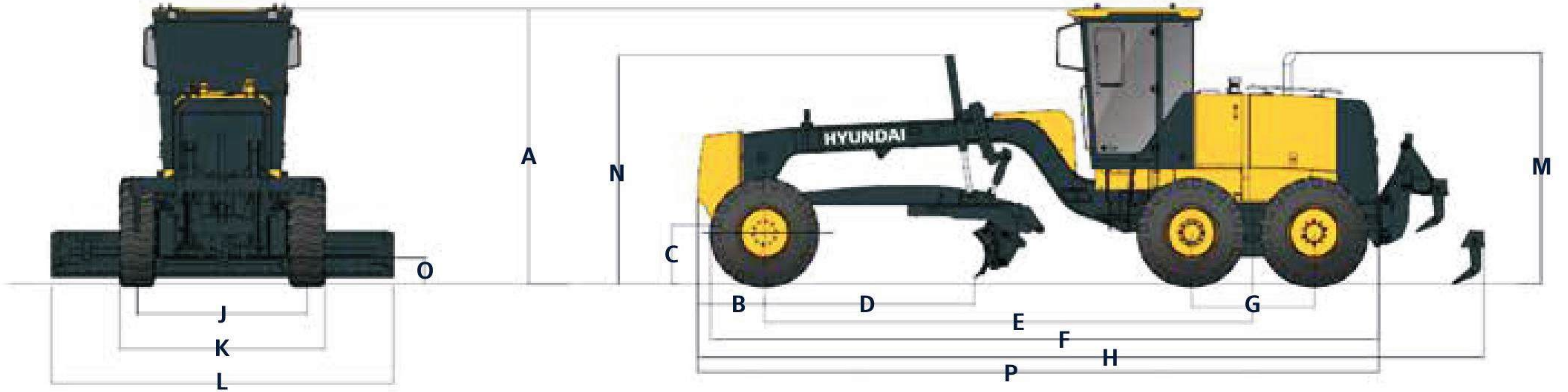
BLADE RANGE			
		HG170	HG220
Circle center shift	Right	525 mm	525 mm
	Left	530 mm	530 mm
Moldboard side shift	Right	815 mm	965 mm
	Left	840 mm	965 mm
Maximum shoulder reach outside rear tire (frame straight)	Right	1,886 mm	2,367 mm
	Left	1,916 mm	2,372 mm
Maximum lift above ground		450 mm	450 mm
Maximum cutting depth		535 mm	535 mm
Maximum blade angle, right or left		90 °	90 °
Blade tip angle		29-77 °	29-77 °

HYDRAULICS		
	HG170	HG220
	Hydraulic system of double pump and double multi way valve, Priority braking and steering, There are hydraulic locks on the scraper lifting, front wheel tilting, traction frame tilting, power tilting, frame articulation and other oil circuits	
Output (at engine rated prm)	99 L/min	99 L/min
Maximum system pressure	17.5 MPa	17.5 MPa

SPECIFICATION

INSTRUMENT			
		HG170	HG220
Gauge	Standard	Engine coolant temperature, fuel level, torque converter oil temperature	
Warning lights / indicator	Standard	Battery charge,directional indicator, engine oil pressure, parking brake	
CAPACITIES (REFILLING)			
		HG170	HG220
Fuel tank		370 L	370 L
Cooling system		29 L	36.5 L
Crank case		17 L	27 L
Transmission		28 L	28 L
Final drive		18 L	18 L
Tandem housing (each)		45*2 L	45*2 L
Hydraulic system		65 L	65 L
Circle reverse housing		4 L	4 L
OPERATING WEIGHT (APPROXIMATE)			
		HG170	HG220
Includes lubricants, coolant, full fuel tank	Total	14,500 kg	15,800 kg
	On rear wheels	10,150 kg	11,060 kg
	On front wheels	4,350 kg	4,740 kg
With front mounted scarifier	Total	15,150 kg	16,450 kg
	On rear wheels	10,150 kg	11,060 kg
	On front wheels	5,000 kg	5,390 kg
With rear mounted ripper and front push plate	Total	15,150 kg	15,741kg
	On rear wheels	10,800 kg	11,019kg
	On front wheels	4,350 kg	4,772kg
SCARIFIER (OPTIONAL)			
		HG170	HG220
Middle, V-type	Working width	1,325 mm	1,325 mm
	Scarifying depth, maximum	210 mm	210 mm
	Scarifier shank holders	11	11
	Scarifier shank holders spacing	130 mm	130 mm
Rear	Working width	2,161 mm	2,161 mm
	Scarifying depth, maximum	249 mm	249 mm
	Scarifier shank holders	9	9
	Scarifier shank holders spacing	267 mm	267 mm
RIPPER (OPTIONAL)			
		HG170	HG220
Ripping depth, maximum		436 mm	436 mm
Ripper shank holders		3-teeth (standard) 5-teeth (optional)	3-teeth (standard) 5-teeth (optional)
Ripper shank holder spacing		534 mm	534 mm
Machine length increase, beam raised		1,000 mm	1,000 mm

DIMENSIONS



Item	Description	HG170	HG220
A	Height to Top of Non-ROPS Cabin	3,420 mm	3,420 mm
	Height to Top of ROPS Frame	3,590 mm	3,604 mm
B	Center of Front Axle to	833 mm	963 mm
C	Ground Clearance to Center Front	725 mm	714 mm
D	Length of Front Axle to Moldboard	2,600 mm	2,600 mm
E	Length of Front Axle to Mid	6,100 mm	6,100 mm
F	Length of Front Tire to Rear of	8,353 mm	8,653 mm
G	Length of Between Tandem Axles	1,535 mm	1,535 mm
H	Length of Between Counterweight	9,670 mm	9,820 mm
J	Width of Tire Center Lines	2,120 mm	2,120 mm
K	Width of Outside Tires	2,600 mm	2,600 mm
L	Width of Moldboard	3,658 mm	4,320 mm
M	Height to Exhaust Stack	2,863 mm	2,747 mm
N	Height to Top of Cylinders	2,833 mm	2,908 mm
O	Ground Clearance to Trans. Case	339 mm	339 mm
P	Standard, F-CWT & R-CWT	8,820 mm	8,950 mm