

<u>RM123</u>



MOTORGRADER

Unprecedented precision and ease of operation.



The frame, drawbar forged steel circle are designed for durability in heavy duty applications. The strong frame drawbar uses a durable material. The top surface of the circle teeth are hardened to reduce wear and ensure component reliability. A large tapered roller bearing at the lower pivot carries loads evenly and smoothly.

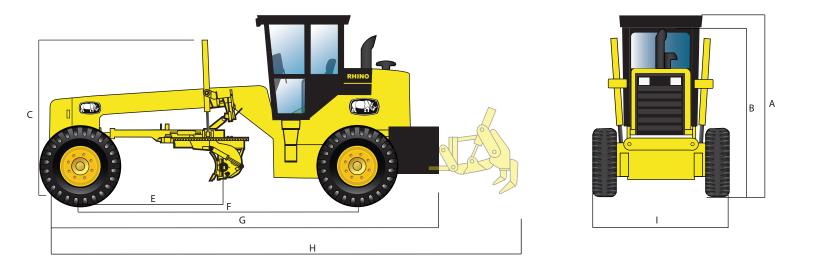


- 1. Angled cab doors, big rear window assure excellent visibility to the work area.
- 2. Easy-to-read, high-visibility gauges and warning lamps keep the operator aware of critical system information.
- 3. The Rhino Comfort seat and arm/wrist rests are fully adjustable for improved comfort and productivity.

ENGINE			
Engine Make / Engine Model	Cummins 6BTA5	Cummins 6CTAA8	Rhino RD140-8A
Emissions (optional)		Tier 2 (Tier 3, Tier 4)	
Net Power kW (Hp) @rpm	132(177)@2,200	138(185)@2,200	105(140)@1,900
Displacement L (cu. In)	5,9(360)	8,3(507)	8,0(488)
Net Peak Torque Nm (lb-ft) @2,000rpm	733(541)	856(631)	518(382)
Net Torque Rise (%)	28	50	20
Aspiration	Turbocharged		
Lubrication	Full-flow spin-on filter		
Air Cleaner	Under-hood, dual element dry		
ELECTRICAL			
Volts			24
Alternator Amps			55
POWERTRAIN			
Transmission	Hydrody	namic power-shift with	separate filtration
Speed Range - Forward			6
Speed Range - Reverse			3
Max. Travel Speeds with 16/70-20 Tires			
Max. Travel Speed - fwd. kph (mph)	49(30)		
Max. Travel Speed - rev. kph (mph)	Travel Speed - rev. kph (mph) 35(22)		
Front Axle			
Oscilation (Total) (°)			32 (16 each side)
Wheel Turning Angle (°)			45
Differentials	Spiral bevel gear with automatic differential lock		
Steering Fully hydraulic	power frame articulation for i	ncreased productivity ar	nd maneuverability
Turning Radius mm (ft)			7,000(23.0)
Articulation (both right and left) (°)			26
Brakes	Foot pedal activation, hydraulically operated drums on rear wheels		
Service Brakes	Hydraulically actuated drums effective on rear wheels		
Parking Brake	Manually actuated with drum mounted on output shaft of transmission		

Illy hydraulic, industry standard lever placeme adjustable angle for added		
adjustable angle for added	comfortability	y to the operator
		550(21.7)
		1,815(71.5)
		1,425(56.1)
		46
		0
/		
	h	24
		2
		CCA
		min
		12 Amp-hour
		55 Amp
ont lights and 2 rear lights, one orange rotati	ng light on the	back of the cab
1		
		x construction
		100(3.9)
	X	
Welded structure, heat treated for extra s	X	ed for flatness
	F	1,250(49.2)
		360
Ну	draulic motor	and worm gear
(in)		455(17.9)
		Gear pump
		208(54.9)
		20(2,901)
	Welded structure, heat treated for extra s	The second secon

MOLDBOARD		
Moldboard	High strength, heat treated high-carbon steel and reversible end bits,	
	blade side shift system includes replaceable wear inserts	
Base Length mm (ft)	3,343(11.0) / 3,660(12.0)	
Height mm (in) measured from edge in	ncluding cutting edge 520(20.5)	
Thickness mm (in)	19(0.7)	
CUTTING EDGE		
Heat Treated Carbon Steel		
Thickness mm (in)	17(0.7)	
Width mm (in)	154(6.1)	
REAR RIPPER		
Parallelogram linkage		
Width of Cut mm (ft)	2,300(7.5)	
Number of Shanks	5	
Lift Above Ground mm (in)	350(13.8)	
Max. Penetration mm (in)	460(18.1)	
Shank Size mm (in)	63x293(2.5x11.5)	
TIRES		
Туре	17.5R25 on 356mm (14in) Rim	
Overall Width mm (in)	2,050(6.7)	
Ground Clearance (front axle) mm (in)	450(17.7)	
REFILL CAPACITIES L (gal)		
Fuel Tank	90(24)	
Cooling System	40(11)	
Engine Oil	15(4)	
Transmission Fluid	20(5)	
Differentials	60(16)	
Hydraulic Tank	70(18)	
Brakes	0,8(0.2)	
OPERATING WEIGHTS		
Front kg (lb)	2,100(4.431)	
Rear kg (lb)	4,100(9.039)	
Total kg (lb)	6,110(13.470)	



MACHINE DIMENSIONS	
A. Height to Top of Cab mm (ft)	3,200(10.3)
B. Height to Top of Exhaust mm (ft)	2,710(8.9)
C. Height to Top of Blade-Lift Cylinders mm (ft)	2,730(9.0)
E. Blade Base mm (ft)	2,200(7.2)
F. Wheelbase mm (ft)	4,950(16.2)
G. Overall Length mm (ft)	6,900(22.6)
H. Overall Length with Ripper mm (ft)	7,700(25.3)
I. Overall Width with 16/70-20 Tires mm (ft)	2,050(6.7)
Tread Width with 16/70-20 Tires mm (ft)	1,590(5.2)
OPTIONS	

Rhino Motor Graders can come standard with rear ripper. They can come with front scarifier, front dozer blade, mid-body scarifier, and rear scarifier. As well as many other options depending on client requirements.

Available Tier 3 and Tier 4 Final engines.

Grader operating information is based on machine with identified linkage and standard equipment, standard tires, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes in tires, ballast, and different attachments.