

mahindra
CONSTRUCTION
EQUIPMENT

PROFIT KA PARTNER

ROADMASTER G80D



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With
iMAXX
Telematic Remote Care

ENGINE	
Model	G80 D
Form of Air Aspiration	Turbo Charged
Number of Cylinders	4
Displacement	3532 cc
High idle	850±50
Low idle	2150±50
Cooling system	Water cooled
Type of fuel	Diesel
Gross power	55kw(74hp) @ 1950 rpm
Peak gross torque	400Nm @ 1100 -1200 rpm
Electrical system voltage	12 V

OPERATING SPECIFICATIONS			
Gross Vehicle Weight		7738	
Front Axle Weight		3196	
Rear Axle Weight		4542	
Speed @gear (Km/hr.)		Forward	Reverse
1st		4.5 to 5.5	5.0 to 6.5
2nd		6.5 to 8.0	8.0 to 9.5
3rd		14.5 to 16.5	
4th		29.0 to 32.5	
Turning radius outside tyre (m) R1		10	
Steering angle inner wheel (degree)		45°	
Steering angle outer wheel (degree)		32°	

MOLD BOARD		
Base length of MB (mm)	3000	
Thickness of Mold board (mm)	16	
Blade Height (mm)	H19	516

CUTTING EDGE (BLADE)		
Standard length of cutting edge (mm)	WB	2600 (Optional) {3 piece cutting edge} {1100 + 1100 + 400}
Standard length of cutting edge with side extension (mm)		3000 {4 piece cutting edge} {1100 + 1100 + 400 + 400}
Width of Cutting Edge	152	
Thickness of Cutting Edge	16	

FRONT AXLE	
Type	Non-Driven, Steerable, Central Pivoted
Front Axle Oscillation (degree)	10°

REAR AXLE	
Type	Driven, Non-Steerable, Rigid

TYRES & WHEELS	
Type	13 x 24 - 12PR (Front)
	17.5 x 25 - 16PR (Rear)
Wheel rim size	9 x 24
	14 x 25

TYRE PRESSURE	
Front/Middle/Rear	304 kPa

TRANSMISSION	
Model Name	Carraro 2WD Transmission
Gear Ratios	Forward / Reverse

HYDRAULICS	
System	Open Centre
Pump Type	Fixed displacement tandem gear pump
Max Pump Flow rate	96 lpm @ 1950 rpm
Max Working pressure	210 bar
Other Features	Load holding with pressure relief valves for lift and sensing cylinder

DIMENSIONS		
Wheel base	L3	5050
Distance - Front axle to mold board blade base (mm)	L12	1691
Transport length - with Dozer (mm)	L1	7360
Ground clearance below front axle beam (mm)	H18	528
Minimum ground clearance (mm)	H4	368
Max vehicle height (mm)	H1	3300
Track width - Front (mm)	W3F	1674
Track width - Rear (mm)	W3R	1739
Width - outside front tires (mm)	W1F	2021
Width - outside rear tires (mm)	W1R	2207

BLADE RANGE		
Circle rotation angle AB	50° from transverse of vehicle	
Circle drive	Hydraulic cylinders with no end mechanical stoppers	
Blade side shift (mm) - LH/RH	513	
Blade tilt angle/Bank cut angle (RH/LH) at ground level measured on blade (degree)	A9	(20°/15°)
Blade tilt angle/bank cut angle (RH/LH) at ground level measured on drawbar (degree)	A9	(25.6°/20°)
Blade pitch angle at ground line (degree)	A11	Forward 40° Backward 5°
Blade without extension outside front tyre with blade positioned parallel to wheel axis	W9	289.5
Blade outside front tyre with blade positioned parallel to wheel axis	W9	489.5
Blade lift at normal blade pitch angle	395	
Max blade cut depth below ground at nominal blade (mm)	D	300

END BIT		
Width (mm)	C	200
Thickness	(mm)	16
Blade pull force	kN	27
Blade down force	kN	27

SERVICE CAPACITIES	
Hydraulic Oil (L) - Replacement	50
Hydraulic oil (L) - System	70
Fuel Tank (L)	100
Engine coolant (L)	17
Engine oil (L)	13.5
Transmission (L) - Replacement	16
Middle axle or rear axle (Differential) - (L)	14.5
Middle axle or rear axle (Final drive) - (L)	1.5 (on each wheel end)

BRAKES	
Service Brake type	Foot operated hydraulically actuated oil immersed disc in rear axle
Parking Brake type	Hand operated mechanically actuated oil immersed disc in rear axle

STEERING	
Type	Power Steering
Pump Displacement (cc)	200
Streering Valve	Load sensing with priority valve
Other Features	Emergency steering in case of pump failure

ELECTRICAL	
System Voltage	12 V
Battery Rating	12 V, 100 Ah
Alternator type	12 V, 90 Amp

Technical specifications, features are subject to change without prior notice. Images used are for representative purpose only. Accessories shown may not be a part of the standard product. Actual colors may vary. E&O.E. All dimensions are variable within +/-5%. For further details on warranty, please visit your nearest dealer.

DEALER NAME



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