Mahindra
Rise.

Construction Equipment

ROADMASTER G90 COMFORT PLUS
SUPERIOR PRODUCTIVITY MEETS SUPERIOR COMFORT

Made for India

CUSTOMER AT THE CENTRE

WORLD CLASS HVAC CABIN

ROADMASTER G90 COMFORT PLUS

Technical Specifications

Engine	
Model	Mahindra DiTec 4915 IA BSIII CEV
Form of air aspiration	Turbocharged
No of cylinders	4
Bore	96 mm.
Stroke	122 mm.
Displacement	3532 cc.
Peak gross torque	360 Nm @ 1400 - 1600 rpm

Operating Specification		
Gross vehicle weight with Dozer and Ripper	9062±181 kg.	
FAW	2614±52 kg.	
RAW	6448±129 kg.	
Speed @ gear (kmph)	Forward	Reverse
1st	4.5 to 6.0	5.5 to 7
2nd	7.5 to 9.0	9.0 to 10.5
3rd	16.5 to 18.5	
4th	33.0 to 36.5	
Turning redius outside tyres	10 m	

Moldboard (in mm)	
Base length of MB	3000+/-15
Thickness of Moldboard	16+/- 0.5

Cutting Edge (blade) (in mm)		
Length of cutting edge without extension	W8	Optional 2600+/-15 (3 Piece cutting edge) (1100 + 1100 + 400)
Length of cutting edge	W8"	Standard 3000+/-15 (4 Piece cutting edge) (1100+1100+400+400)
Blade hight	H19	516+/-3
Width of Cutting Edge		152+/-2
Thickness of Cutting Edge		16+/-0.5

Dimensions (in mm)		
Wheel base	L3	5225+/-26
Distance - Front axle to moldboard - Blade base	L12	1691+/-13*
Transport length with Dozer & Ripper	L1'	9270+/-43*
Minimum ground clearance	H4	467+/-16*
Max vehicle height	H1	3290+/-26*
Width - Transport (Over rear counter weight)	WW7'	2080+/- 10

Blade Range		
Circle rotation angle	A8	50°+/-1.5° from transverse of vehicle
Blade side shift (LH/RH)	W15	513+/-2.6 mm
Blade tilt angle/Bank cut angle (LH/RH) at ground level measured on blade	A9	(20°/15°)+/-2
Max blade tilt angle/blade cut angle (LH/RH) at ground level measured on drawbar	A9	(25.6°/20°)+/-2
Blade pitch angle at ground line	A11	Forward 40°+/-2 Backward 5°+/-2
Blade lift at normal blade pitch angle		395+/-25*
Max Blade cut depth below ground at nominal blade angle		300+/-25*

Front Axle	
Type	Non Driven, Steerable, Central Pivoted
Oscillation angle	10+/- 0.5 deg

Middle Axle	
Type	Driven, Non-Steered, Rigid
Reduction ratio, Differential	2.75
Reduction wheel end	6.932
Total reduction ratio	19.04
Differential Type	Mechanical clutch type

Rear Axle	
Type	Driven, Non-Steerable, Central Pivoted, ±5° Oscillation angle
Reduction ratio, Differential	2.75
Reduction wheel end	6.932
Total reduction ratio	19.04

Tyres & Wheels	
Tyre Spec	13 X 24 - 12PR Grader grade tyres

Brakes	
Service brake type	Foot operated hydraulically actuated oil immersed disc in middle axle
Parking brake type	Hand operated, mechanically actuated oil immersed disc in middle axle

Steering	
Type	Power steering
Steering valve	Load sensing with priority valve 200 cc
Other feature	Emergency steering in case of pump Failure

Electrical	
System voltage	12V
Battery rating	12 V,100 AH
Alternator type	12 V, 90 Amp

Hydraulics	
System	Open centre
Pump type	Fixed displacement Tandem Gear Pump
Pump size	26 cc + 26 cc
Max pump flow rate	54 Liters @ 2200 rpm
Max working pressure	200+/-5 bar (On control valve) 210 +/- 5 (On pump)
Other feature	Load holding with pressure relief valves for lift and sensing cylinder

Service Capacities	
Hydraulic tank	50 Liters @ 2000 hrs.
Fuel tank	85 Liters
Engine coolant	17 Liters @ 2000 hrs.
Engine oil	13.5 Liters @ 500 hrs.
Transmission oil	16 Liters @ 1500 hrs.
Axle oil (Differential)	14.5 Liters @ 1500 hrs.
Axle (Final Drive)	1.5 Liters (on each side) @ 1500 hrs.

Note: Technical specifications, features are subject to change without prior notice. Images used are for representative purposes 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 details on the warranty, please contact your dealer.

1 YEARS WARRANTY UNLIMITED HOURS

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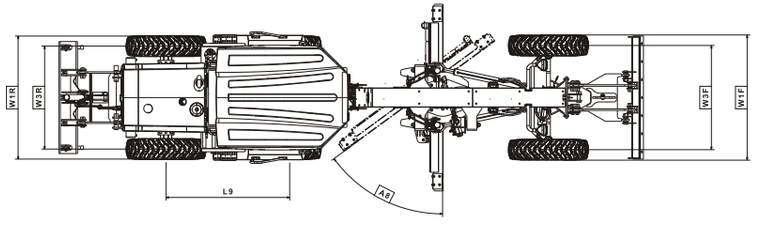

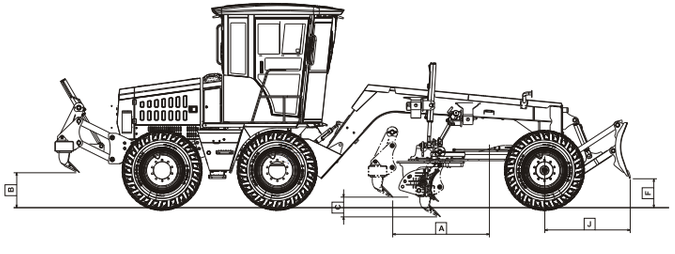

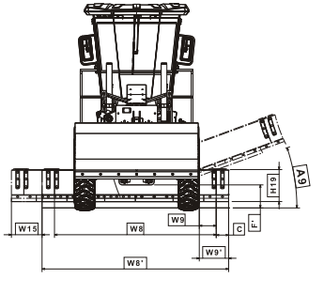

RM G90 COMFORT/ENG - MAY 20

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