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CONSTRUCTION
EQUIPMENT

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ROADMASTER *G100 DR*



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With
iMAXX
Telematic Remote Care

ENGINE	
Model	G100 DR
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	76kw(102hp) @ 2200 rpm
Peak gross torque	440Nm @ 1200 -1500 rpm
Electrical system voltage	12 V

OPERATING SPECIFICATIONS		
Gross Vehicle Weight	9010	
Front Axle Weight	2510	
Rear Axle Weight	6500	
Speed @gear (Km/hr.)	Forward	Reverse
1st	4.0 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 Moldboard (mm)	16	
Blade Height (mm)	H19	516

CUTTING EDGE (BLADE)		
Standard length of cutting edge (mm)	W8	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°

MIDDLE AXLE	
Type Central Pivoted	Driven, Non-Steerable, Rigid

REAR AXLE	
Type	Driven, Non-Steerable, Central Pivoted
Oscillation angle (degree)	5°

TYRES & WHEELS	
Type	13 x 24 - 12PR
Wheel rim size	9 x 24

TYRE PRESSURE	
Front/Middle/Rear	304 kPa

TRANSMISSION	
Model Name	Carraro 4WD Transmission (Powershift)
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		
Distance between mid and rear axle (mm)	L9	1850
Distance between front and middle axle (mm)	A	4300
Wheel base	L3	5225
Distance - Front axle to mold board blade base (mm)	L12	1691
Transport length - with Dozer (mm)	L1	8594
Transport length - with Dozer and Ripper (mm)	L1	9270
Ground clearance below front axle beam (mm)	H18	528
Minimum ground clerance (mm)	H4	467
Max vehicle height (mm)	H1	3290
Track width - Front (mm)	W3F	1674
Track width - Rear (mm)	W3R	1654
Width - outside front tires (mm)	W1F	2021
Width - outside rear tires (mm)	W1R	2001

BLADE RANGE		
Circle rotation angle AB	50°+/-1.5° 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 a	300	
Attachment oscillation angle (degree)	E	Upward 10° Downward 15°

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	60
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)

OPTIONAL FITMENT	
Ripper	Number of Ripper Shank Module - 5 No.

BRAKES	
Service Brake type	Foot operated hydraulically actuated oil immersed disc in rear axle
Parking Brake type	Hand operated, mechanically actuated caliper brakes system (integral with 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