

**mahindra**  
CONSTRUCTION  
EQUIPMENT

**AFFORDABLE  
AND OPTIMISED  
SOLUTION FOR  
HIGHER PROFITS.**

**ROADMASTER G90 DR**



Give a Missed Call Today  
**73037 01222**



With  
**iMAXX**  
Telematic Remote Care

| ENGINE                    |                        |
|---------------------------|------------------------|
| Model                     | G90 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               | 55kw(74hp) @ 1950 rpm  |
| Peak gross torque         | 400Nm @ 1100 -1200 rpm |
| Electrical system voltage | 12 V                   |

| OPERATING SPECIFICATIONS            |  |              |            |
|-------------------------------------|--|--------------|------------|
| Gross Vehicle Weight                |  | 8596         |            |
| Front Axle Weight                   |  | 3175         |            |
| Rear Axle Weight                    |  | 5521         |            |
| 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 Mold board (mm) | 16   |     |
| Blade Height (mm)            | H19  | 516 |

| CUTTING EDGE (BLADE)                                     |     |                                                               |
|----------------------------------------------------------|-----|---------------------------------------------------------------|
| Standard length of cutting edge (mm)                     | W8  | 2600 (Optional)<br>{3 piece cutting edge} {1100 + 1100 + 400} |
| Standard length of cutting edge with side extension (mm) |     | 3000<br>{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 |
| 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 clearance (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° 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°<br>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                                       | 300                                                 |                            |
| Attachment oscillation angle (degree)                                                   | E                                                   | Upward 10°<br>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 middle 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



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