

|                          | Features                                                                                                                                                           |                | DEFENDER 90 2007MY                        |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------|
|                          | Underbody clearance minimum - running clearance to exhaust                                                                                                         | mm             | 260 (300)                                 |
|                          | Wading Depth                                                                                                                                                       | mm             | 500                                       |
|                          | Turning circle - turns lock to lock                                                                                                                                | No. of turns   |                                           |
|                          | Turning circle radius - Minimum (205 Tyres) D102                                                                                                                   | m              | 5.85                                      |
|                          | Turning circle radius - Minimum (7.5 Tyres) D102                                                                                                                   | m              | 6.15                                      |
|                          | Approach Angle A106-1                                                                                                                                              | deg            | 47                                        |
|                          | Departure Angle A106-2                                                                                                                                             | deg            | 47.1                                      |
|                          | Ramp Breakover Angle SAE A147                                                                                                                                      | deg            | 33 / 147                                  |
|                          | Frontal Area                                                                                                                                                       | m <sup>2</sup> | 2.99                                      |
|                          | Drag coefficient                                                                                                                                                   | Cd             | 0.69                                      |
| Vehicle Weights / Towing | Mass of vehicle - In Running Order<br>(inc. fluids, 90% fuel, tools, spare wheel & <b>75kg driver</b> )<br>(max & min for each variant - homologated ranges)       | kg             | 1711 min - 1796 max                       |
|                          | Distribution of unladen mass EEC Kerb (inc. fluids, 90% Fuel, tools, spare wheel & <b>75kg driver</b> ) between axles (max & min for each variant): (Front / Rear) | kg             | 944 min - 984 max /<br>767 min - 812 max  |
|                          | Technically permissible maximum laden mass (GVW)                                                                                                                   | kg             | 2550                                      |
|                          | Technically permissible maximum mass on each axle (Front / Rear)                                                                                                   | kg             | 1250 / 1500                               |
|                          | Technically permissible maximum towable mass                                                                                                                       | kg             | 3500                                      |
|                          | Technically permissible maximum mass of the combination (GTW)                                                                                                      | kg             | 6050                                      |
|                          | Maximum mass of unbraked trailer                                                                                                                                   | kg             | 750                                       |
|                          | Technically permissible maximum static vertical load/mass of vehicle's coupling point                                                                              | kg             | 150                                       |
|                          | Class and type of coupling device fitted or to be fitted                                                                                                           | type           | A50X                                      |
|                          | Maximum roof load (to include roof rack weight) using LR Accessories approved Roof racks/Ladder racks                                                              | kg             | N/A                                       |
| Engine                   | Layout / No. of cylinders / valves                                                                                                                                 |                | North-South / 4 / 16                      |
|                          | Engine management                                                                                                                                                  | type           | Visteon EMS                               |
|                          | Effective displacement                                                                                                                                             | cc             | 2402                                      |
|                          | Firing order                                                                                                                                                       |                | 1342                                      |
|                          | Idle speed (Base)                                                                                                                                                  | rpm            | 800                                       |
|                          | Bore / stroke                                                                                                                                                      | mm             | 89.9 / 94.6                               |
|                          | Compression ratio                                                                                                                                                  | :1             | 17.5                                      |
|                          | Max. power output (EEC)                                                                                                                                            | kW             | 90                                        |
|                          | Engine speed at max power                                                                                                                                          | rpm            | 3500                                      |
|                          | Max. torque (EEC)                                                                                                                                                  | Nm             | 360                                       |
| assis                    | Engine speed at max torque                                                                                                                                         | rpm            | 2000                                      |
|                          | Pass by Noise (EC Type approval)                                                                                                                                   | dB(A)          | 73                                        |
|                          | Front suspension                                                                                                                                                   | type           | Live beam axle, dual rate coil springs,   |
|                          | Rear suspension                                                                                                                                                    | type           | Live beam axle, single rate coil springs, |
|                          | Front Suspension travel                                                                                                                                            | mm             | TBA                                       |
|                          | Rear Suspension travel                                                                                                                                             | mm             | TBA                                       |
|                          | Total Articulation                                                                                                                                                 | mm             | TBA                                       |
|                          | Wheel alignment - Front ( toe out )                                                                                                                                | minutes        | TBA                                       |
|                          | Wheel alignment - Rear ( toe in )                                                                                                                                  | minutes        | TBA                                       |
|                          | Front Brakes                                                                                                                                                       | type           | Disc                                      |
|                          | Front Brakes Diameter                                                                                                                                              | mm             | TBA                                       |
|                          | Rear Brakes                                                                                                                                                        | type           | Disc                                      |
|                          | Rear Brakes Diameter                                                                                                                                               | mm             | TBA                                       |

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|------------|-------------------------------------------------------------------------|---------------|----------------------------|
| Chassis    | Park Brake (DIH)                                                        | type          | TBA                        |
|            | Park Brake Diameter                                                     | mm            | TBA                        |
|            | Tyres                                                                   | Type          | 205R16,                    |
|            | Wheels                                                                  | Type          | 5.5F x 16,                 |
|            | Tyre pressures - 205 R16 & 265/75 R16 (Front / Rear)                    | bar (lbf/in2) | 1.9 (28) / 2.4 (35)        |
|            | Tyre pressures - 750 R16 Radial (Front / Rear)                          | bar (lbf/in2) | 1.9 (28) / 2.75 (40)       |
|            | Road wheel nut torque                                                   | Nm / lbft     | TBA                        |
|            | Steering type                                                           | type          | Worm & Roller              |
|            | Overall steering ratio (on centre)                                      | deg/deg       | 22.7                       |
|            | Steering Gear ratio (Output shaft revolutions per revolution of pinion) | Ratio         | 19.3:1 on centre           |
|            | Max gradient - ascent / descent (at maximum engine oil level)           | deg           | 45 / 45                    |
|            | Max gradient - side slope traverse (at maximum engine oil level)        | deg           | 35                         |
| Electrical | Battery                                                                 | type          | H8                         |
|            | Rating                                                                  | amp/hr        | 90                         |
|            | Voltage (nominal)                                                       | v             | 12                         |
|            | Polarity                                                                | pos / neg     | negative (-) earth         |
| Powertrain | Transmission                                                            | type          | GFT MT-82 (6 Speed Manual) |
|            | Four wheel drive system                                                 | type          | LT230Q Transfer Box        |
|            | Transmission ratios                                                     |               |                            |
|            | 1st                                                                     | :1            | 5.441                      |
|            | 2nd                                                                     | :1            | 2.839                      |
|            | 3rd                                                                     | :1            | 1.721                      |
|            | 4th                                                                     | :1            | 1.223                      |
|            | 5th                                                                     | :1            | 1.000                      |
|            | 6th                                                                     | :1            | 0.742                      |
|            | Reverse                                                                 | :1            | 4.935                      |
|            | Final drive ratio                                                       | :1            | 3.540                      |
|            | Transfer box ratio (High/Low)                                           | :1            | 1.211 / 3.269              |
|            | Overall Gearing                                                         |               |                            |
|            | 1st (High / Low)                                                        | :1            | 23.325 / 62.965            |
|            | 2nd (High / Low)                                                        | :1            | 12.171 / 32.854            |
|            | 3rd (High / Low)                                                        | :1            | 7.378 / 19.916             |
|            | 4th (High / Low)                                                        | :1            | 5.243 / 14.153             |
|            | 5th (High / Low)                                                        | :1            | 4.287 / 11.572             |
|            | 6th (High / Low)                                                        | :1            | 3.181 / 8.587              |
|            | Reverse (High / Low)                                                    | :1            | 21.156 / 57.109            |
|            | Max speed in gears (High Range)                                         |               |                            |
|            | 1st                                                                     | mph (kph)     | 16.09 (25.89)              |
|            | 2nd                                                                     | mph (kph)     | 30.84 (49.62)              |
|            | 3rd                                                                     | mph (kph)     | 50.87 (81.86)              |
|            | 4th                                                                     | mph (kph)     | 71.59 (115.19)             |

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|          | 5th                            | mph (kph)      | 82 (132)           |
|          | 6th                            | mph (kph)      | 82 (132)           |
|          | Max speed in gears (Low Range) |                |                    |
|          | 1st                            | mph (kph)      | 5.96 (9.59)        |
|          | 2nd                            | mph (kph)      | 11.42 (18.38)      |
|          | 3rd                            | mph (kph)      | 18.84 (30.32)      |
|          | 4th                            | mph (kph)      | 26.52 (42.67)      |
|          | 5th                            | mph (kph)      | 32.43 (52.19)      |
|          | 6th                            | mph (kph)      | 43.65 (70.24)      |
|          |                                |                |                    |
| Service  | European - 1st                 | miles / months | 12,000 / 12        |
|          | European - 2nd                 | miles / months | 24,000 / 24        |
|          | UK Insurance Group Rating      | ABI Rating     | 10A                |