

2012 Mercedes-Benz Model Line (Preliminary U.S. Specs)

Technical Data

| | | R350 BlueTEC | R350 4MATIC |
|-------------------------|-------|--|--|
| Vehicle type | | Four-door, six or seven passenger full-size crossover | Four-door, six or seven passenger full-size crossover |
| Chassis | | Unibody | Unibody |
| Engine | | 72-degree V6 | 60-degree V6 |
| Valve arrangement | | 4 valves per cylinder | Four valves per cylinder |
| Valvetrain | | Double overhead camshaft per cylinder bank; duplex chain-driven | DOHC per cylinder |
| Displacement (cc) | | 2,987 | 3,498 |
| Bore (in.) | | 3.27 / 83.0 | 3.66 |
| Stroke (in.) | | 3.62 / 92.0 | 3.39 |
| Compression ratio | | 16.5:1 | 12.0:1 |
| Horsepower @ rpm | | 210 @ 3,400 | 302 @ 6,500 |
| Torque (lb-ft.) @ rpm | | 400 @ 1,600 - 2,400 | 273 @ 3,500 - 5,250 |
| Intake system | | Turbocharger and intercooler; piezoelectric injectors | Naturally Aspirated, Direct Injection |
| Max. engine speed (rpm) | | 4,500 | 6,800 |
| Transmission | | Seven-speed automatic | Seven-speed automatic |
| Shift controls | | Direct Select | Direct Select |
| Gear ratios | | Automatic | Automatic |
| 1 | | 4.38 | 4.38 |
| 2 | | 2.86 | 2.86 |
| 3 | | 1.92 | 1.92 |
| 4 | | 1.37 | 1.37 |
| 5 | | 1.00 | 1.00 |
| 6 | | 0.82 | 0.82 |
| 7 | | 0.73 | 0.73 |
| R | | -3.42 | -3.42 |
| R2 "comfort mode" | | -2.23 | -2.23 |
| Final drive | | 2.92 | 3.70 |
| Stability control | | ESP stability control | ESP stability control |
| Suspension | | | |
| | front | Upper and lower control arms; coil spring struts, stabilizer bar | Upper and lower control arms; coil spring struts, stabilizer bar |
| | rear | Self-leveling rear air suspension | Self-leveling rear air suspension |

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| Steering | | Rack and pinion, hydraulic power assist | Rack and pinion, hydraulic power assist |
| Turning radius (ft.) | | 41 | 41 |
| Wheels (in.) | | | |
| front | front | 8.0 x 19 | 8.0 x 19 |
| | rear | 8.0 x 19 | 8.0 x 19 |
| Tires | front | 255/50 R 19 | 255 / 50 R 19 |
| | rear | 255/50 R 19 | 255 / 50 R 19 |
| Brakes | | Hydraulic power assisted 4-wheel discs with 4-channel ABS anti-lock, Brake Assist System | Hydraulic power assisted 4-wheel discs with 4-channel ABS anti-lock, Brake Assist System |
| Disc diameter (in./mm) | front | 13.0 / 330; vented | 13.0 / 330; vented |
| | rear | 13.0 / 330; solid | 13.0 / 330; solid |
| Disc thickness (in./mm) | front | 1.26 / 32 | 1.26 / 32 |
| | rear | 0.55 / 14 | 0.55 / 14 |
| Exterior dimensions (in.) | | | |
| Wheelbase | | 126.6 | 126.6 |
| Length | | 203.1 | 203.1 |
| Width | | 85.4 | 85.4 |
| Height | | 65.4 | 65.4 |
| Ground clearance (in.) | | 5.8 | 5.8 |
| Track | front | 65.4 | 65.4 |
| | rear | 65.0 | 65.0 |
| Interior dimensions (in.) | | | |
| Head room | front | 39.8 | 39.8 |
| | 2nd / 3rd row | 40.4 / 37.2 | 40.4 / 37.2 |
| Leg room | front | 39.8 | 39.8 |
| | 2nd / 3rd row | 36.2 / 32.4 | 36.2 / 32.4 |
| Shoulder room | front | 60.3 | 60.3 |
| | 2nd row | 59.6 / 52.8 | 59.6 / 52.8 |
| Cargo Length | Back row up | 18.3 | 18.3 |
| | Back row down | 42.3 / 87.3 | 42.3 / 87.3 |
| Capacities | | | |
| Cabin volume (cu. ft.) | | 162.1 | 162.1 |
| Cargo volume | seats up | 15.2 | 15.2 |
| | Back row down | 42.2 (2nd & back row: 85) | 42.2 (2nd & back row: 85) |
| Curb weight (lbs.) | | 5,225 (6-pass) / 5,280 (7-pass) | 4,960 (6-pass) / 5,060 (7-pass) |
| Towing (lbs.) | | 3,500 | 3,500 |
| Max. total payload | | 1,588 | 1,635 |
| Fuel tank/reserve (gallons) | | 21.1 / 3.4 | 21.1 / 3.4 |
| AdBlue tank (gallons) | | 7 | N/A |
| Performance | | | |
| 0-60 (seconds) | | 8.6 (est.) | 8.0 (est.) |
| Top speed (mph) | | 130 (electronically limited) | 130 (electronically limited) |
| Fuel mileage, city/hwy/comb | | 18 / 23 / 20 | 16 / 21 / 15 |

Note: Technical specifications are subject to change.

Please visit the media web site <http://media.mbusa.com> for the latest information.