

BMW

U.S. Media Information

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Technical Data.

2012 BMW 3 Series Sports Wagon.

		328i Sports Wagon Manual 6 Speed	328i Sports Wagon Auto 6 Speed	328i xDrive Sports Wagon Manual 6 Speed	328i xDrive Sports Wagon Auto 6 Speed
11.01.2011					
Body					
No. of Doors / Seating Capacity	-	5 / 5	5 / 5	5 / 5	5 / 5
Vehicle Length	mm / inch	4537 / 178.6	4537 / 178.6	4537 / 178.6	4537 / 178.6
Vehicle Width	mm / inch	1817 / 71.5	1817 / 71.5	1817 / 71.5	1817 / 71.5
Vehicle Height, Unloaded	mm / inch	1418 / 55.8	1418 / 55.8	1418 / 55.8	1418 / 55.8
Wheelbase	mm / inch	2760 / 108.7	2760 / 108.7	2760 / 108.7	2760 / 108.7
Turning Circle	m / ft	11 / 36.1	11 / 36.1	11.8 / 38.7	11.8 / 38.7
Track, Front	mm / inch	1500 / 59.1	1500 / 59.1	1500 / 59.1	1500 / 59.1
Track, Rear	mm / inch	1529 / 60.2	1529 / 60.2	1529 / 60.2	1529 / 60.2
Ground Clearance	mm / inch	141 / 5.55	141 / 5.55	140 / 5.51	140 / 5.51
Width at Shoulderheight, Front	mm / inch	1408 / 55.4	1408 / 55.4	1408 / 55.4	1408 / 55.4
Width at Shoulderheight, Rear	mm / inch	1400 / 55.1	1400 / 55.1	1400 / 55.1	1400 / 55.1
Effective Leg Room, Front	mm / inch	1054 / 41.5	1054 / 41.5	1054 / 41.5	1054 / 41.5
Effective Leg Room, Rear	mm / inch	874 / 34.4	874 / 34.4	874 / 34.4	874 / 34.4
Effective Head Room, Front	mm / inch	978 / 38.5	978 / 38.5	978 / 38.5	978 / 38.5
Effective Head Room, Rear	mm / inch	964 / 38	964 / 38	964 / 38	964 / 38
Trunk Volume acc SAE1100	ft³	25	25	25	25
Fuel Capacity	L / gal	61 / 16.1	61 / 16.1	61 / 16.1	61 / 16.1
Curb Weight	kg / lbs	1600 / 3527	1630 / 3594	1690 / 3726	1710 / 3770
Weight Distribution Front/Rear	%	47.5 / 52.5	48.2 / 51.8	49.7 / 50.3	50.0 / 50.0
Gross Vehicle Weight Rating (GVWR)	kg / lbs	2100 / 4630	2130 / 4696	2210 / 4872	2190 / 4848
Payload	kg / lbs	480 / 1058	480 / 1058	480 / 1058	480 / 1058
Axle Load Limit, front	kg / lbs	965 / 2127	965 / 2127	1055 / 2326	1055 / 2326
Axle Load Limit, rear	kg / lbs	1200 / 2646	1200 / 2646	1200 / 2646	1200 / 2646
Towing Capacity	kg / lbs	-	-	-	-
Roof Load Limit	kg / lbs	75 / 165	75 / 165	75 / 165	75 / 165
Drag Coefficient	Cd	0.30	0.30	0.31	0.31
Engine					
		N52	N52	N52	N52
Engine Type / Cylinder / Valves per Cylinder	-	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS	Inline / 6 / 4 VANOS
Engine Management System	-	MSV80 Port Injection	MSV80 Port Injection	MSV80 Port Injection	MSV80 Port Injection
Induction System/Boost Pressure	-	Natural Valvetronic	Natural Valvetronic	Natural Valvetronic	Natural Valvetronic
Boost Pressure	Bar	-	-	-	-
Displacement	cm³ / inch³	2996 / 182.8	2996 / 182.8	2996 / 182.8	2996 / 182.8
Stroke	mm / inch	88 / 3.46	88 / 3.46	88 / 3.46	88 / 3.46
Bore	mm / inch	85 / 3.35	85 / 3.35	85 / 3.35	85 / 3.35
Power	SAE hp / rpm	230 / 6500	230 / 6500	230 / 6500	230 / 6500
Torque	ft lbs / rpm	200 / 2750	200 / 2750	200 / 2750	200 / 2750
Compression Ratio / Fuel type	-	10.7 / Premium	10.7 / Premium	10.7 / Premium	10.7 / Premium
Chassis and Suspension					
Codification of Reference Gearbox	-	I	GM6	H	GM6
Gear Ratios I	-	4.323	4.065	4.350	4.065
II	-	2.456	2.371	2.496	2.371
III	-	1.659	1.551	1.665	1.551
IV	-	1.230	1.200	1.230	1.200
V	-	1.000	0.853	1.000	0.853
VI	-	0.848	0.674	0.851	0.674
Reverse Ratio	-	3.938	3.200	3.926	3.200
Final Drive Ratio	-	3.231	3.727	3.385	3.909
Steering Type / Ratio	-	Rack-and-pinion / 16	Rack-and-pinion / 16	Rack-and-pinion / 18.2	Rack-and-pinion / 18.2
Front Brakes / Diameter	- / mm / inch	Vent. Disc / 312 / 12.3	Vent. Disc / 312 / 12.3	Vent. Disc / 312 / 12.3	Vent. Disc / 312 / 12.3
Rear Brakes / Diameter	- / mm / inch	Vent. Disc / 300 / 11.8	Vent. Disc / 300 / 11.8	Vent. Disc / 300 / 11.8	Vent. Disc / 300 / 11.8
Tire Type, Front	-	205/55 R16 91H RSC AS	205/55 R16 91H RSC AS	205/55 R16 91H RSC AS	205/55 R16 91H RSC AS
Tire Type, Rear	-	205/55 R16 91H RSC AS	205/55 R16 91H RSC AS	205/55 R16 91H RSC AS	205/55 R16 91H RSC AS
Tire Type, Front w. Sport Package	-	225/45 R17 V RSC	225/45 R17 V RSC	225/45 R17 V RSC	225/45 R17 V RSC
Tire Type, Rear w. Sport Package	-	255/40 R17 V RSC	255/40 R17 V RSC	255/40 R17 V RSC	255/40 R17 V RSC
Wheels, Front	-	7J x 16 Light alloy	7J x 16 Light alloy	7J x 16 Light alloy	7J x 16 Light alloy
Wheels, Rear	-	7J x 16 Light alloy	7J x 16 Light alloy	7J x 16 Light alloy	7J x 16 Light alloy
Wheels, Front w. Sport Package	-	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy
Wheels, Rear w. Sport Package	-	8.5 J x 17 Light alloy	8.5 J x 17 Light alloy	8.5 J x 17 Light alloy	8.5 J x 17 Light alloy
Performance					
Top Speed	km/h / mph	210 / 130	210 / 130	210 / 130	210 / 130
Top speed w. Sport Package	km/h / mph	240 / 150	240 / 150	238 / 148	236 / 147
Acceleration, 0-60 mph	s	6.5	7.1	7.1	7.3
Acceleration, 0-100 Km/h	s	6.9	7.5	7.4	7.7
Fuel Economy, EPA Estimate - City	mpg	17	18	17	17
Fuel Economy, EPA Estimate - Highway	mpg	26	27	25	25
Fuel Economy, EPA Estimate - Combined	mpg	20	21	20	20
Approximate Range	km / miles	520 / 325	545 / 340	520 / 325	520 / 325