## BMW Media Information

6/2013

Valid from 7/2013

## Specifications BMW 5 Series Sedan. 535i, 550i



BMW 550i

Dengthwidthheight			BMW 5351	BMW 550I	
No of doors/seats	Body				
Linggibut with theight			4/5	4/5	
Wheelbase		mm			
Track, front/reer				2968	
Cround clearance					
Turning eircle				141	
Tank capacity					
Cooling system incheater				70	
Propine oil					
Weight, unladen, to DINIEU         kg         1675/1750 (1690/1765)         1830/190           Max load to DIN         kg         610         60           Max nemissible         kg         2295 (2300)         243           Max resistance         kg         1100/1285         1195/131           Max roffoadmax toward download         kg         2000/750         2000/75           Max roffoadmax toward download         kg         100/90         100/9           Luggage comp capacity         ltr         520         52           Air resistance         Cd x A         0.26 x 2.35         0.27 x 2.3           Engine           CandigNo of cylskvalves         Straight-six / 4         990 / 8           Engine technology         BMW TwinPower Turbo, With Twin-Scroll with two turbocharger, direct fuel injection of turbocharger, direct fuel injection and full-yvariable valve control (VALVETRONIC)         6           Capacity, effective         cc         2.979         4.33           Stroke Pore         mm         89.6 / 84.0         88.3 / 89,           Compression ratio         :1         10.2         10.2           Fuel grade         Min RON 91         min RON 9         89.3 / 89,           Compression ratio         :1         10.2					
Max load to DIN					
Max permissible         kg         2285 (2300)         243           Max ake load, front/rear         kg         1100 / 1285         1195 / 131           Max trailer load (12%),         kg         2000 / 750         20000 / 75           braked/unbraked         2000 / 750         20000 / 75         2000 / 75           Max roofload/max towber download         kg         100 / 90         100 / 9           Luggage comp capacity         ltr         520         52           Air resistance         Cd x A         0.26 x 2.35         0.27 x 2.3           Engine         Configlino of cyls/valves         Straight-six / 4         V90 / 8 /		kg	(1690 / 1765)		
Max ade load, front/rear         kg         1100 / 1285         1195 / 131           Max trailer load (1290), by         kg         2000 / 750         2000 / 75           Drawled Individual Control Read (1900)         100 / 90         100 / 90           Max roofload/max towbar download kg         100 / 90         100 / 90         52           Air resistance         Cd x A         0.26 x 2.35         0.27 x 2.3           Engine         Straight-six / 4         V90 / 81         V90 / 81           Engine technology         BMW TwinPower Turbo, with Twin-Scroll subtoocharger, direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC) (High Precision Injection) and fully-variable valve control (VALVETRONIC) (VAL				600	
Max trailer load (1296), braked/luntraked         kg         2000/750         2000/75           braked/luntraked         Max rooffoad/max towbar download         kg         100 / 90         100 / 9           Luggage comp capacity         Itr         520         52           Air resistance         Cd x A         0.26 x 2.35         0.27 x 2.3           Engine         ConfigNo of cyls/valves         Straight-six / 4         V90 / 8 / 8           Engine technology         BMW Twin/Power Turbo, bMW Twin/Power Turbo, bMW Twin/Power Turbo, with Twin-Scroll turbocharger, direct fuel injection (High Precision Injection) and fully-wariable valve control (VALVETRONK)         BMW Twin/Power Turbo, and fully-wariable valve control (VALVETRONK)           Capacity, effective         cc         2979         439           Stroke / bore         mm         896/84.0         88,3 / 89, 189, 189           Compression ratio         :1         10.2         10.           Fuel grade         Min RON 91         min RON 9           Max torque         Nm         400         550 - 600           Max torque         Nm         400         550 - 600           Max torque         Nm         400         500 - 600           Max torque         Nm         400         500 - 600           Max torque	Max permissible	kg			
braked/unbraked         Max roofload/max towbar download         kg         100 / 90         100 / 9           Air resistance         Cd x A         0.26 x 2.35         0.27 x 2.3           Air resistance         Cd x A         0.26 x 2.35         0.27 x 2.3           Engine         Engine           Config/No of cyls/valves         Straight-six / 4         V90 / 8 / V90 / V90 / 8 / V90 /	Max axle load, front/rear	kg			
Luggage comp capacity	` ''	kg	2000 / 750	2000 / 750	
Engine   ConfigNo of CytsValves   Straight-six / 4   V90 / 18	Max roofload/max towbar downlo	oad kg	100 / 90	100 / 90	
Engine   Config/No of cyls/valves   Straight-six / 4   V9 / 18 / 18   Fingine   Config/No of cyls/valves   Straight-six / 4   V9 / 18 / 18   Fingine technology   BMW TwinPower Turbo, with Twin-Scroll uturbocharger, direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC)   Capacity, effective   c	Luggage comp capacity		520	520	
Config/No of cyls/valves   Straight-six / 4   V99 / 8 / Engine technology   BMW TwinPower Turbo,			0.26 x 2.35	0.27 x 2.35	
Config/No of cyls/valves   Straight-six / 4   V99 / 8 / Engine technology   BMW TwinPower Turbo, BMW TwinPower Turbo, with Twin-Scroll turbocharger, direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC)   Capacity, effective   cc   2979					
Engine technology  BMW TwinPower Turbo, with Twin-Scroll with two turbocharger, direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC)  Capacity, effective cc 2979 439  Stroke / bore mm 89.6/84.0 888,3/89, Compression ratio :1 10.2 10.  Fuel grade Min RON 91 min RON 9  Max output kW/np 225/306 3350/45  at rpm 5800 - 6000 5500 - 600  Max torque Nm 400 5500 - 600  Electrical System  Electrical System  Battery/installation Ah/- 90 / luggage comp 90 / luggage comp  Alternator AW 170 / 2360 210 / 294  Driving Dynamics and Safety  Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive  Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double accounts separation  Brakes, front Single-piston aluminium floating-calliper disc brakes in frame structure  Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented 578 x 36 / inner-vented 57	Engine				
Engine technology  BMW TwinPower Turbo, with Twin-Scroll with two turbocharger, direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC)  Capacity, effective cc 2979 439  Stroke / bore mm 89.6/84.0 888,3/89, Compression ratio :1 10.2 10.  Fuel grade Min RON 91 min RON 9  Max output kW/np 225/306 3350/45  at rpm 5800 - 6000 5500 - 600  Max torque Nm 400 5500 - 600  Electrical System  Electrical System  Battery/installation Ah/- 90 / luggage comp 90 / luggage comp  Alternator AW 170 / 2360 210 / 294  Driving Dynamics and Safety  Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive  Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double accounts separation  Brakes, front Single-piston aluminium floating-calliper disc brakes in frame structure  Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented 578 x 36 / inner-vented 57			Straight-six / 4	V90/8/4	
with Twin-Scroll with two turbocharger, direct fuel injection (High Precision Injection and fully-variable valve control (VALVETRONIC)  Capacity, effective cc 2979 439 Stroke / bore mm 89.6 / 84.0 88,3 / 89, Compression ratio :1 10.2 10.  Fuel grade Min RON 91 min RON 9 Max output kWhp 225 / 306 350 / 45 at rpm 5800 - 6000 5500 - 600 Max torque Nm 400 55500 - 600 Max torque Nm 5000 / 65  at rpm 1200 - 5000 2000 - 450  Electrical System  Batterylinstallation Ah/- 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 210 / 294  Priving Dynamics and Safety Suspension, front Double track control arm axie with separate lower track arm level, aluminium, small steering roll radius, anti-divice Suspension, rear Integral-V multi-arm axie, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation  Brakes, front Single-piston aluminium floating-calliper disc brakes in frame structure Brakes, rear Single-piston aluminium floating-calliper disc brakes in frame structure Brakes, rear Single-piston aluminium floating-calliper disc brakes Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, DBC Dynamic Damper Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, DBC Dynamic Damper Control, Adaptive Drive  Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, DBC Dynamic Damper Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, DBC Dynamic Brake Control, DBC Dynamic Brake Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, DBC Dynamic Brake Control, CBC Cornering Brake Control, DBC Dynami				BMW TwinPower Turbo	
direct fuel injection (High Precision Injection) and fully-variable valve control (VALVETRONIC) and fully-variable valv	3			with two turbochargers,	
Chigh Precision Infection and fully-variable valve control (VALVETRONIC)				direct fuel injection	
Capacity, effective cc 2979 439 Stroke / bore mm 89.6 / 84.0 88,3 / 89, Compression ratio :1 10.2 10. Capacity, effective cc 2979 439 Stroke / bore mm 89.6 / 84.0 88,3 / 89, Compression ratio :1 10.2 10. Capacity and the stroke of the strok					
Control (VALVETRONIC)  Capacity, effective cc 2979 439  Stroke / bore mm 89.6 / 84.0 88,3 / 89, Compression ratio :1 10.2 10.  Fuel grade Min RON 91 min RON 9  Max output kW/hp 225 / 306 350 / 45  at rpm 5800 - 6000 5500 - 600  Max torque Nm 400 65  at rpm 1200 - 5000 2000 - 450  Electrical System  Battery/installation Ah/- 90 / luggage comp 90 / luggage comp  Alternator A/W 170 / 2380 210 / 294  Driving Dynamics and Safety  Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation  Brakes, front Single-piston aluminium floating-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-ventee Brakes, rear Single-piston aluminium floating-calliper disc brakes Diameter mm 345 x 24 / inner-vented 374 x 36 / inner-ventee  Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive  Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, inead airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash-sensors, Tyre Defect Indicator  Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering					
Capacity, effective         cc         2979         439           Stroke / bore         mm         89,6 / 84.0         88,3 / 89,           Compression ratio         :1         10.2         10.           Fuel grade         Min RON 91         min RON 9           Max output         kW/hp         225 / 306         350 / 45           at         rpm         5800 – 6000         5500 – 600           Max torque         Nm         400         65           at         rpm         1200 – 5000         2000 – 450           Electrical System           Batteryfinstallation         Ah/-         90 / luggage comp         90 / luggage comp           Alternator         AW         170 / 2380         210 / 294           Driving Dynamics and Safety           Suspension, front         Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive           Suspension, rear         Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double accustic separation           Brakes, front         Single-piston aluminium floating-calliper disc brakes in frame structure           Diameter         mm         348 x 36 / inner-vented         374 x 36 / inner-vente <tr< td=""><td></td><td></td><td></td><td>control (VALVE I RONIC)</td></tr<>				control (VALVE I RONIC)	
Stroke / bore mm 89.6 / 84.0 88,3 / 89, Compression ratio :1 10.2 10. Fuel grade Min RON 91 min RON 9 Max output kW/np 225 / 306 350 / 45 at rpm 5800 - 6000 5500 - 600 Max torque Nm 400 65 at rpm 1200 - 5000 2000 - 450  Electrical System  Battery/installation Ah/- 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 210 / 294  Driving Dynamics and Safety  Suspension, front Double track control arm akle with separate lower track arm level, aluminium, small steering function, anti-dive Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation  Brakes, front Single-piston aluminium floating-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Corrol, CBC Cornering Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive  Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and fron	Consolition officialities		<u> </u>	1205	
Compression ratio :1 10.2 10.  Fuel grade Min RON 91 min RON 9  Max output kWhp 225 / 306 350 / 45  at rpm 5800 – 6000 5500 – 600  Max torque Nm 400 65  at rpm 1200 – 5000 2000 – 450  Electrical System  Battery/installation Ah/– 90 / luggage comp 90 / luggage com  Alternator A/W 170 / 2380 210 / 294  Driving Dynamics and Safety  Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering function, anti-squat and anti-dive, double acoustic separation  Brakes, front Single-piston aluminium floating-calliper disc brakes in frame structure  Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-ventee  Brakes, rear Single-piston aluminium floating-calliper disc brakes  Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-ventee  Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering  Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading  Compensation, Start-Off Assistant; optional: Dynamic Damper Control,  Adaptive Drive  Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors,  Tyre Defect Indicator  Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering  Steering transmission, overall 11 17.1  Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RS					
Fuel grade Min RON 91 min RON 9  Max output kW/hp 225 / 306 350 / 45 at rpm 5800 - 6000 5500 - 600  Max torque Nm 400 65 at rpm 1200 - 5000 2000 - 450  Electrical System  Battery/installation Ah/- 90 / luggage comp 90 / luggage com Alternator A/W 170 / 2380 210 / 294  Driving Dynamics and Safety  Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive  Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation  Brakes, front Single-piston aluminium floating-calliper disc brakes in frame structure  Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented  Brakes, rear Single-piston aluminium floating-calliper disc brakes  Diameter mm 345 x 24 / inner-vented 374 x 36 / standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant, optional: Dynamic Damper Control, Adaptive Drive  Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator  Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering  Steering transmission, overall :1 17.1  Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RS				· · · · · ·	
Max output kW/hp 225 / 306 350 / 45 at rpm 5800 – 6000 5500 – 600 Max torque Nm 400 65 at rpm 1200 – 5000 2000 – 450    Electrical System  Battery/installation Ah/– 90 / luggage comp 90 / luggage comp Alternator A/W 170 / 2380 210 / 294    Driving Dynamics and Safety  Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation  Brakes, front Single-piston aluminium floating-calliper disc brakes in frame structure Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston aluminium floating-calliper disc brakes in Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive  Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash-activated headrests at the front, crash-sensors, Tyre Defect Indicator Steering Steering transmission, overall 11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		:1			
at rpm 5800 – 6000 5500 – 6000  Max torque Nm 400 65  at rpm 1200 – 5000 2000 – 450  Electrical System  Battery/installation Ah/– 90 / luggage comp 90 / luggage com  Alternator AW 170 / 2380 210 / 294  Driving Dynamics and Safety  Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive  Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation  Brakes, front Single-piston aluminium floating-calliper disc brakes in frame structure  Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-vented  Brakes, rear Single-piston aluminium floating-calliper disc brakes  Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-vented  Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive  Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator  Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering  Steering transmission, overall :1 17.1 17.1 17.1 17.1 17.1 17.1 17.1 1					
Max torque Nm 400 65 at rpm 1200 – 5000 2000 – 450  Electrical System  Battery/installation Ah/- 90 / luggage comp 90 / luggage com Alternator AW 170 / 2380 210 / 294  Driving Dynamics and Safety  Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive  Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation  Brakes, front Single-piston aluminium floating-calliper disc brakes in frame structure  Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-ventee  Brakes, rear Single-piston aluminium floating-calliper disc brakes  Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-ventee  Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering  Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading  Compensation, Start-Off Assistant; optional: Dynamic Damper Control,  Adaptive Drive  Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point ineritia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors,  Tyre Defect Indicator  Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering  Steering transmission, overall 11 17.1 17.  Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RS		kW/hp			
Betterylinstallation Ah/- 90 / luggage comp 90 / luggage com Alternator A/W 170 / 2380 210 / 294  Driving Dynamics and Safety  Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive  Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation  Brakes, front Single-piston aluminium floating-calliper disc brakes in frame structure  Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-ventee  Brakes, rear Single-piston aluminium floating-calliper disc brakes  Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-ventee  Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, DP Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive  Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator  Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering  Steering transmission, overall :1 17.1 17.1 17.1 17.1 17.1 17.1 17.1 1					
Electrical System  Battery/installation Ah/- 90 / luggage comp 90 / luggage com Alternator A/W 170 / 2380 210 / 294  Driving Dynamics and Safety  Suspension, front Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive  Suspension, rear Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoust separation  Brakes, front Single-piston aluminium floating-calliper disc brakes in frame structure  Diameter mm 348 x 36 / inner-vented 374 x 36 / inner-ventee  Brakes, rear Single-piston aluminium floating-calliper disc brakes  Diameter mm 345 x 24 / inner-vented 345 x 24 / inner-ventee  Driving stability systems Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive  Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator  Steering Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering  Steering transmission, overall :1 17.1 17.1  Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RS	Max torque	Nm		650	
Battery/installation         Ah/-         90 / luggage comp         90 / luggage comp           Alternator         AW         170 / 2380         210 / 294           Driving Dynamics and Safety         Suspension, front         Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive           Suspension, rear         Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation           Brakes, front         Single-piston aluminium floating-calliper disc brakes in frame structure           Diameter         mm         348 x 36 / inner-vented         374 x 36 / inner-vente           Brakes, rear         Single-piston aluminium floating-calliper disc brakes         Single-piston aluminium floating-calliper disc brakes           Diameter         mm         345 x 24 / inner-vented         345 x 24 / inner-vented           Brakes, rear         Standard: aliminium floating-calliper disc brakes         345 x 24 / inner-vented           Driving stability systems         Standard: aliminium floating-calliper disc brakes           Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive           Safety equipment         Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear se	at	rpm	1200 – 5000	2000 – 4500	
Driving Dynamics and Safety         Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive           Suspension, rear         Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation           Brakes, front         Single-piston aluminium floating-calliper disc brakes in frame structure           Diameter         mm         348 x 36 / inner-vented         374 x 36 / inner-venter           Brakes, rear         Single-piston aluminium floating-calliper disc brakes           Diameter         mm         345 x 24 / inner-vented         345 x 24 / inner-venter           Driving stability systems         Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive           Safety equipment         Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash sensors, Tyre Defect Indicator           Steering         Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering           Steering transmission, overall         :1         17.1         17.           Tyres, front/rear         225/55 R17 97W         245/45 R18 96Y RS	Electrical System				
Driving Dynamics and Safety           Suspension, front         Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive           Suspension, rear         Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation           Brakes, front         Single-piston aluminium floating-calliper disc brakes in frame structure           Diameter         mm         348 x 36 / inner-vented         374 x 36 / inner-vented           Brakes, rear         Single-piston aluminium floating-calliper disc brakes           Diameter         mm         345 x 24 / inner-vented         345 x 24 / inner-vented           Driving stability systems         Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive           Safety equipment         Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator           Steering         Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering           Steering transmission, overall         :1         17.1         17.1           Tyres, front/rear         245/45 R1	Battery/installation	Ah/–	90 / luggage comp	90 / luggage comp	
Suspension, front  Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive  Suspension, rear  Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation  Brakes, front  Single-piston aluminium floating-calliper disc brakes in frame structure  Diameter  mm  348 x 36 / inner-vented  374 x 36 / inner-ventee  Brakes, rear  Single-piston aluminium floating-calliper disc brakes  Diameter  mm  345 x 24 / inner-vented  345 x 24 / inner-ventee  Driving stability systems  Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering  Brake Control, DBC Dynamic Brake Control, Dy Braking function, Fading  Compensation, Start-Off Assistant; optional: Dynamic Damper Control,  Adaptive Drive  Safety equipment  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors,  Tyre Defect Indicator  Steering  Steering transmission, overall  11  17.1	Alternator	A/W	170 / 2380	210 / 2940	
Suspension, front  Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive  Suspension, rear  Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation  Brakes, front  Single-piston aluminium floating-calliper disc brakes in frame structure  Diameter  mm  348 x 36 / inner-vented  374 x 36 / inner-ventee  Brakes, rear  Single-piston aluminium floating-calliper disc brakes  Diameter  mm  345 x 24 / inner-vented  345 x 24 / inner-ventee  Driving stability systems  Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering  Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading  Compensation, Start-Off Assistant; optional: Dynamic Damper Control,  Adaptive Drive  Safety equipment  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator  Steering  Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering  Steering transmission, overall  11 17.1 17.1 17.1 17.1 17.1 17.1 17.					
Suspension, rear  Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation  Brakes, front  Single-piston aluminium floating-calliper disc brakes in frame structure  Diameter  mm  348 x 36 / inner-vented  374 x 36 / inner-ventet  Brakes, rear  Single-piston aluminium floating-calliper disc brakes  Diameter  mm  345 x 24 / inner-vented  345 x 24 / inner-vented  Driving stability systems  Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering  Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading  Compensation, Start-Off Assistant; optional: Dynamic Damper Control,  Adaptive Drive  Safety equipment  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors,  Tyre Defect Indicator  Steering  Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering  Steering transmission, overall  11 17.1 17.1 17.1 17.1 17.1 17.1 17.	<b>Driving Dynamics and Safety</b>	у			
Brakes, front  Brakes, front  Single-piston aluminium floating-calliper disc brakes in frame structure  Diameter  Brakes, rear  Brakes, rear  Single-piston aluminium floating-calliper disc brakes  Diameter  mm  348 x 36 / inner-vented  374 x 36 / inner-vented  374 x 36 / inner-vented  345 x 24 / inner-vented  Driving stability systems  Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering  Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading  Compensation, Start-Off Assistant; optional: Dynamic Damper Control,  Adaptive Drive  Safety equipment  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator  Steering  Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering  Steering transmission, overall  11 17.1 17.1  Tyres, front/rear  225/55 R17 97W  245/45 R18 96Y RS	Suspension, front				
Diameter         mm         348 x 36 / inner-vented         374 x 36 / inner-venter           Brakes, rear         Single-piston aluminium floating-calliper disc brakes           Diameter         mm         345 x 24 / inner-vented         345 x 24 / inner-venter           Driving stability systems         Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive           Safety equipment         Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator           Steering         Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering           Steering transmission, overall         :1         17.1         17.           Tyres, front/rear         225/55 R17 97W         245/45 R18 96Y RS	Suspension, rear				
Brakes, rear         Single-piston aluminium floating-calliper disc brakes           Diameter         mm         345 x 24 / inner-vented         345 x 24 / inner-vented           Driving stability systems         Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive           Safety equipment         Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator           Steering         Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering           Steering transmission, overall         :1         17.1         17.           Tyres, front/rear         225/55 R17 97W         245/45 R18 96Y RS	Brakes, front		Single-piston aluminium	floating-calliper disc brakes in frame structure	
Diameter         mm         345 x 24 / inner-vented         345 x 24 / inner-venter           Driving stability systems         Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive           Safety equipment         Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator           Steering         Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering           Steering transmission, overall         :1         17.1         17.           Tyres, front/rear         225/55 R17 97W         245/45 R18 96Y RS	Diameter	mm	348 x 36 / inner-vented	374 x 36 / inner-vented	
Driving stability systems  Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive  Safety equipment  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator  Steering  Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering  Steering transmission, overall  1 17.1 17.1 17.  Tyres, front/rear  225/55 R17 97W  245/45 R18 96Y RS	Brakes, rear		Single-piston al	luminium floating-calliper disc brakes	
Driving stability systems  Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive  Safety equipment  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator  Steering  Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering  Steering transmission, overall  1 17.1 17.1 17.  Tyres, front/rear  225/55 R17 97W  245/45 R18 96Y RS	Diameter	mm	345 x 24 / inner-vented	345 x 24 / inner-vented	
and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator  Steering  Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering  Steering transmission, overall  1 17.1 17.1 17.  Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RS	Driving stability systems		Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control,		
Steering transmission, overall         :1         17.1         17.           Tyres, front/rear         225/55 R17 97W         245/45 R18 96Y RS0	Safety equipment		and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors,		
Steering transmission, overall         :1         17.1         17.           Tyres, front/rear         225/55 R17 97W         245/45 R18 96Y RS	Steering			,	
Tyres, front/rear 225/55 R17 97W 245/45 R18 96Y RS	Steering transmission, overall	:1	<u> </u>	17.1	
				245/45 R18 96Y RSC	
rums, nonviedi 80 X 17 ilunit-aliov 8J X 18 ilunt-alio	Rims, front/rear		8J x 17 light-alloy	8J x 18 light-alloy	

BMW 535i

## **BMW**

Media Information

6/2013

Valid from 7/2013

## Specifications BMW 5 Series Sedan.

			BMW 535i	BMW 550i
Transmissio	ın.			
Type of gearb		Siv-si	peed manual (optional:	Eight-speed automatic
Type of gears	·OX		-speed automatic with	with Steptronic
		oigin	Steptronic)	war Gtopa ome
Gear ratios	I	:1	4.110 (4.714)	4.714
	il i	:1	2.315 (3.143)	3.143
	ill	:1	1.542 (2.106)	2.106
	IV	:1	1.179 (1.667)	1.667
	V	:1	1.000 (1.285)	1.285
	VI	:1	0.846 (1.000)	1.000
	VII	:1	- (0.839)	0.839
	VIII	:1	- (0.667)	0.667
	R	:1	3.727 (3.295)	3.317
Final drive	- IX	:1	3,231 (3,077)	2.813
			, , ,	
Performance	9			
Power-to-weight	ght ratio (DIN)	kg/kW	7.4 (7.5)	5.5
Output per litr	е	kW/hp	75.5	75.1
Acceleration	0–100 km/h	sec	5.8 (5.7)	4.6
	0–1000 m	sec	25.1 (25.5)	23.5
In 4th gear	80-120 km/h	sec	5.9 / 6.9 (–)	_
Top speed		km/h	250	250
BMW Efficien standard featu	,	gea coasti der	E Energy Regeneration with recuperat arshift point indicator (on manual gear ing function (on automatic models), in mand operation of ancillary units, air fla (EPS), detachable a/c compressor, ty	pox models), ECO PRO mode with telligent lightweight construction, on- ap control, Electric Power Steering
			(E. O), dotaonable die compresson, ty	
Fuel Consun	nption EU <sup>3)</sup>			
With standard	wheels and tyre	s: 8J x 17 wheels	s, 225/55 R17 tyres (BMW 535i), 8J x	18 wheels, 245/45 R18 tyres
(BMW 550i)				
Urban		ltr/100 km	11.0 (10.0)	11.8
Extra-urban		ltr/100 km	6.2 (5.6)	6.6
Combined		ltr/100 km	8.0 (7.2)	8.6
CO <sub>2</sub>		g/km	186 (169)	199
With 8J x 18 v	wheels and 245/4	15 R18 tyres and	with winter tyres	
Urban		ltr/100 km	11.3 (10.3)	_
Extra-urban		ltr/100 km	6.3 (5.8)	
Combined		ltr/100 km	8.2 (7.5)	_
CO <sub>2</sub>		g/km	191 (174)	_
			245/45 R18 tyres at front, 275/40 R	
	,		nd 245/40 R19 tyres at front, 275/35	
	) wheels at front,		nd 245/35 R20 tyres at front, 275/30	
Urban		ltr/100 km	11.6 (10.6)	12.3
Extra-urban		ltr/100 km	6.5 (6.0)	6.9
Combined		ltr/100 km	8.4 (7.7)	8.8
CO <sub>2</sub>		g/km	196 (179)	206
Emission ratin	ng		EU6	EU6

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight) Figures in brackets apply to automatic transmission models

 $<sup>^{1)}</sup>$  Height with roof aerial: 1475 mm  $^{2)}$  Oil change  $^{3)}$  Fuel consumption and  $\rm CO_2$  emissions depend on the selected tyre format