

Specifications BMW Z4. Z4 sDrive35i, Z4 sDrive35is



2/2013

Valid from
3/2013

| BMW Z4 sDrive35i | | BMW Z4 sDrive35is |
|------------------------------------|--|---|
| Body | | |
| No of doors / seats | 2 / 2 | 2 / 2 |
| Length/width/height (unladen) | mm 4239 / 1790 / 1291 | 4244 / 1790 / 1284 |
| Wheelbase | mm 2496 | 2496 |
| Track, front/rear | mm 1511 / 1537 | 1511 / 1537 |
| Ground clearance | mm 130 | 124 |
| Turning circle | m 10.7 | 10.7 |
| Tank capacity | app ltr 55 | 55 |
| Cooling system incl heater | ltr 8.2 (8.5) | 8.5 |
| Engine oil ¹⁾ | ltr 6.5 | 6.5 |
| Weight, unladen, to DINEU | kg 1505 / 1580 (1525 / 1600) | 1525 / 1600 |
| Payload (DIN) | kg 330 | 330 |
| Permitted total weight | kg 1835 (1855) | 1855 |
| Permitted axle load, front/rear | kg 870 / 1000 | 870 / 1000 |
| Luggage compartment capacity | ltr 180 - 310 | 180 - 310 |
| Air drag | cd x A 0.35 x 1.96 | 0.35 x 1.96 |
| Power Unit | | |
| Config/No of cyls/valves | Straight-six / 4 | Straight-six / 4 |
| Engine technology | BMW TwinPowerTurbo with two turbochargers and direct fuel injection (High Precision Injection) | BMW TwinPower Turbo with two turbochargers and direct fuel injection (High Precision Injection) |
| Capacity, effective | cc 2979 | 2979 |
| Stroke / bore | mm 89.6 / 84.0 | 89.6 / 84.0 |
| Compression ratio | :1 10.2 | 10.2 |
| Fuel | min RON 95 | min RON 95 |
| Max output | kW/hp 225 / 306 | 250 / 340 |
| at | rpm 5800 | 5900 |
| Max torque | Nm 400 | 450 + 50 ²⁾ |
| at | rpm 1300 - 5000 | 1500 |
| Electrical System | | |
| Battery/location | Ah/- 70 / luggage comp | 70 / luggage comp |
| Alternator | AW 170 / 2380 | 170 / 2380 |
| Driving Dynamics and Safety | | |
| Suspension, front | Double wishbone spring strut tiebar axle in aluminium with displaced castor, small positive steering roll radius, compensation of lateral forces, anti-dive, BMW Z4 sDrive35is: Adaptive Suspension with electronically controlled dampers | |
| Suspension, rear | Central arm axle, separate springs and dampers, anti-squat and anti-dive, BMW Z4 sDrive35is: Adaptive Suspension with electronically controlled dampers | |
| Brakes, front | Single-piston frame-calliper disc brakes | |
| Diameter | mm 348 x 30 / vented | 348 x 30 / vented |
| Brakes, rear | Single-piston floating-calliper disc brakes | |
| Diameter | mm 324 x 20 / vented | 324 x 20 / vented |
| Driving stability systems | Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Assistant, Dry Braking, Fading Compensation, Start-Of Assistant | |
| Safety equipment | Standard: airbags for driver and passenger, seat-integrated side airbags for driver and passenger, three-point inertia-reel seat belts with belt latch tensions and belt force limiters, crash sensors, Tyre Defect Indicator | |
| Steering | EPS Electric Power Steering with Servotronic | |
| Steering transmission, overall | :1 14.4 | 14.4 |
| Tyres, front/rear | 225/45 R17 91W RSC / 255/40 R17 94W RSC | 225/40 R18 88W RSC / 255/35 R18 90W RSC |
| Rims, front/rear | 8J/8.5J x 17 light-alloy | 8J/8.5J x 18 light-alloy |

Specifications BMW Z4.

| BMW Z4 sDrive35i | | | | BMW Z4 sDrive35is |
|---|-------------|---|---------------|-------------------|
| BMW ConnectedDrive | | | | |
| Comfort | | Optional: BMW Assist including Concierge Services, remote-control function, Real Time Traffic Information, BMW TeleServices, integration of mobile devices | | |
| Infotainment | | Optional: access to the internet, BMW Online including features such as Parkinfo, National Info, Google directory service, News, realtime weather, BMW Routes, office functions, Bluetooth Audio Streaming, online update of music tracks, Apps | | |
| Safety | | Optional: Adaptive Headlights, High-Beam Assistant, Park Distance Control, cruise control with brake function, Automatic/Enhanced Emergency Call | | |
| Transmission | | | | |
| Type of transmission | | BMW Z4 sDrive35i: six-speed manual (optional: seven-speed double-clutch gearbox), BMW Z4 sDrive35is: seven-speed double-clutch gearbox | | |
| Gear ratios | I | :1 | 4.055 (4.780) | 4.780 |
| | II | :1 | 2.396 (3.056) | 3.056 |
| | III | :1 | 1.582 (2.153) | 2.153 |
| | IV | :1 | 1.192 (1.678) | 1.678 |
| | V | :1 | 1.000 (1.390) | 1.390 |
| | VI | :1 | 0.872 (1.203) | 1.203 |
| | VII | :1 | – (1.000) | 1.000 |
| | Reverse | :1 | 3.677 (4.454) | 4.454 |
| Final drive | | :1 | 3.077 (2.563) | 2.563 |
| Performance | | | | |
| Power-to-weight-ratio (DIN unladen) | | kg/kW | 6.7 (6.8) | 6.1 |
| Specific power output | | kW/l | 75.5 | 83.9 |
| Acceleration | 0–100 km/h | sec | 5.2 (5.1) | 4.8 |
| Acceleration | 0–1,000 m | sec | 24.4 (24.2) | 23.8 |
| in 4th/5th/gear | 80–120 km/h | sec | 4.9 / 5.7 (–) | – |
| max. speed | | km/h | 250 (250) | 250 |
| BMW EfficientDynamics | | | | |
| BMW EfficientDynamics standard features | | Brake Energy Regeneration, EPS Electric Power Steering, gearshift point indicator (manual models), intelligent lightweight construction, on-demand operation of ancillary units | | |
| Fuel Consumption in EU | | | | |
| Urban | | l/100 km | 13.5 (12.6) | 12.6 |
| Extra-urban | | l/100 km | 7.0 (6.9) | 6.9 |
| Combined | | l/100 km | 9.4 (9.0) | 9.0 |
| CO ₂ | | g/km | 219 (210) | 210 |
| Emission rating | | | EU5 | EU5 |

Specifications applicable to ACEA markets/homologation data applicable in part only to Germany (weight).
BMW Z4 sDrive35i: Figure in brackets apply to automatic transmission model.

¹⁾ Oil change

²⁾ Temporary, with Overboost