

# Technical data

## X5

|                                                 |               | X5 xDrive 30d                     |                                   | X5 xDrive 40i                   |                                 | X5 M50d                           |                                   |
|-------------------------------------------------|---------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|-----------------------------------|-----------------------------------|
| Engine type                                     |               | B57D30O0                          | B57D30O0                          | B58B30M1                        | B58B30M1                        | B58B30M1                          | B58B30M1                          |
| Transmission type                               |               | automatic                         | automatic                         | automatic                       | automatic                       | automatic                         | automatic                         |
| Transmission type                               | --            | 8HP76                             | 8HP76                             | 8HP51                           | 8HP51                           | 8HP76 Sport                       | 8HP76 Sport                       |
| Nr. of gears                                    | --            | 8                                 | 8                                 | 8                               | 8                               | 8                                 | 8                                 |
| Nr. axles                                       | --            | 2                                 | 2                                 | 2                               | 2                               | 2                                 | 2                                 |
| Powered axles                                   | --            | AWD                               | AWD                               | AWD                             | AWD                             | AWD                               | AWD                               |
| Seats                                           | --            | 5                                 | 7 (option 4UB)                    | 5                               | 7 (option 4UB)                  | 5                                 | 7 (option 4UB)                    |
| Number of Doors                                 | --            | 5                                 | 5                                 | 5                               | 5                               | 5                                 | 5                                 |
| Veh. length                                     | mm            | 4922                              | 4922                              | 4922                            | 4922                            | 4922                              | 4922                              |
| Width                                           | mm            | 2004                              | 2004                              | 2004                            | 2004                            | 2004                              | 2004                              |
| Height                                          | mm            | 1745                              | 1745                              | 1745                            | 1745                            | 1745                              | 1745                              |
| Last updated: 01/10/2018                        | mm            | 2218                              | 2218                              | 2218                            | 2218                            | 2218                              | 2218                              |
| Wheelbase                                       | mm            | 2975                              | 2975                              | 2975                            | 2975                            | 2975                              | 2975                              |
| Overhang front                                  | mm            | 874                               | 874                               | 874                             | 874                             | 874                               | 874                               |
| Rear overhang                                   | mm            | 1073                              | 1073                              | 1073                            | 1073                            | 1073                              | 1073                              |
| Turning circle                                  | m             | 12.6                              | 12.6                              | 12.6                            | 12.6                            | 12.6                              | 12.6                              |
| Ground clearance                                | mm            | 214                               | 214                               | 214                             | 214                             | 214                               | 214                               |
| Shoulder width front                            | mm            | 1525                              | 1525                              | 1525                            | 1525                            | 1525                              | 1525                              |
| Shoulder room rear                              | mm            | 1476                              | 1476                              | 1476                            | 1476                            | 1476                              | 1476                              |
| Elbow width front                               | mm            | 1560                              | 1560                              | 1560                            | 1560                            | 1560                              | 1560                              |
| Elbowroom rear                                  | mm            | 1525                              | 1525                              | 1525                            | 1525                            | 1525                              | 1525                              |
| Legroom front                                   | mm            | 1011                              | 1011                              | 1011                            | 1011                            | 1011                              | 1011                              |
| Legroom rear - second row                       | mm            | 950                               | 950                               | 950                             | 950                             | 950                               | 950                               |
| Legroom rear - third row                        | mm            | 741                               | 741                               | 741                             | 741                             | 741                               | 741                               |
| Max. headroom front                             | mm            | 1037                              | 1037                              | 1037                            | 1037                            | 1037                              | 1037                              |
| Maximum headroom rear                           | mm            | 984                               | 984                               | 984                             | 984                             | 984                               | 984                               |
| Headroom front (With sunroof)                   | mm            | 1033                              | 1033                              | 1033                            | 1033                            | 1033                              | 1033                              |
| Maximum headroom second                         | mm            | 1001                              | 1001                              | 1001                            | 1001                            | 1001                              | 1001                              |
| Knee clearance                                  | mm            | 108                               | 96                                | 108                             | 96                              | 108                               | 96                                |
| Luggage volume, Seats up                        | m³            | 0.65                              | 0.55                              | 0.65                            | 0.55                            | 0.65                              | 0.55                              |
| Luggage volume, Seats down                      | m³            | 1.87                              | 1.77                              | 1.87                            | 1.77                            | 1.87                              | 1.77                              |
| Fuel tank capacity (approx.)                    | liter         | 80                                | 80                                | 83                              | 83                              | 80                                | 80                                |
| Curb weight (DIN)                               | kg            | 2110                              | 2185                              | 2060                            | 2135                            | 2275                              | 2350                              |
| Curb weight (EC)                                | kg            | 2185                              | 2260                              | 2135                            | 2210                            | 2350                              | 2425                              |
| Rear Weight distribution (empty car)            | %             | 51.2                              | 52.6                              | 51                              | 52.5                            | 50.1                              | 51.5                              |
| Gross veh. weight                               | kg            | 2860                              | 3090                              | 2800                            | 3010                            | 3010                              | 3160                              |
| Payload                                         | kg            | 750                               | 905                               | 740                             | 875                             | 735                               | 810                               |
| Axle load limit front                           | kg            | 1320                              | 1340                              | 1280                            | 1315                            | 1395                              | 1405                              |
| Rear axle load limit                            | kg            | 1615                              | 1870                              | 1580                            | 1825                            | 1670                              | 1865                              |
| Gross veh. weight /w.trailer                    | kg            | 2960                              | 3190                              | 2900                            | 3110                            | 3110                              | 3260                              |
| Rear axle load w. trailer                       | kg            | 1835                              | 2015                              | 1805                            | 2015                            | 1932                              | 2015                              |
| Payload w. trailer                              | kg            | 850                               | 1005                              | 840                             | 975                             | 835                               | 910                               |
| Trailer load braked 12%                         | kg            | 1900                              | 1900                              | 2700                            | 2700                            | 2700                              | 2700                              |
| Trailer load unbraked                           | kg            | 750                               | 750                               | 750                             | 750                             | 750                               | 750                               |
| Trailer nose weight                             | kg            | 140                               | 140                               | 140                             | 140                             | 140                               | 140                               |
| Roof load                                       | kg            | 100                               | 100                               | 100                             | 100                             | 100                               | 100                               |
| Engine                                          |               |                                   |                                   |                                 |                                 |                                   |                                   |
| Engine type                                     | --            | B57D30O0                          | B57D30O0                          | B58B30M1                        | B58B30M1                        | B57D30S0                          | B57D30S0                          |
| Cylinders                                       | --            | 6                                 | 6                                 | 6                               | 6                               | 6                                 | 6                                 |
| Valves p.cyl.                                   | --            | 4                                 | 4                                 | 4                               | 4                               | 4                                 | 4                                 |
| Fuel management                                 | --            |                                   |                                   |                                 |                                 |                                   |                                   |
| Charging Type                                   | --            | BMW TwinPower Turbo               | BMW TwinPower Turbo               | BMW TwinPower Turbo             | BMW TwinPower Turbo             | BMW TwinPower Turbo               | BMW TwinPower Turbo               |
| Injection type                                  | --            | Common rail direct injection      | Common rail direct injection      | High-precision direct injection | High-precision direct injection | Common rail direct injection      | Common rail direct injection      |
| Stroke                                          | mm            | 90                                | 90                                | 94.6                            | 94.6                            | 90                                | 90                                |
| Bore                                            | mm            | 84                                | 84                                | 82                              | 82                              | 84                                | 84                                |
| Displacement                                    | cm³           | 2993                              | 2993                              | 2998                            | 2998                            | 2993                              | 2993                              |
| Compression rate                                | :1            | 16.5                              | 16.5                              | 11                              | 11                              | 16                                | 16                                |
| Rated engine power                              | kW            | 195                               | 195                               | 250                             | 250                             | 294                               | 294                               |
| Engine power                                    | PS            | 265                               | 265                               | 340                             | 340                             | 400                               | 400                               |
| Engine power                                    | BHP           | 261                               | 261                               | 335                             | 335                             | 395                               | 395                               |
| at rpm                                          | 1/min         | 4000-4000                         | 4000-4000                         | 5500-6500                       | 5500-6500                       | 4400-4400                         | 4400-4400                         |
| Engine torque                                   | Nm            | 620                               | 620                               | 450                             | 450                             | 760                               | 760                               |
| Engine torque                                   | ft lbs        | 457                               | 457                               | 330                             | 330                             | 560                               | 560                               |
| at rpm                                          | 1/min         | 2000-2500                         | 2000-2500                         | 1500-5200                       | 1500-5200                       | 2000-3000                         | 2000-3000                         |
| 0-62mph                                         | s             | 6.5                               | 6.5                               | 5.5                             | 5.5                             | 5.2                               | 5.2                               |
| Top speed                                       | mph           | 143                               | 143                               | 151                             | 151                             | 155                               | 155                               |
| Useable fuel quality                            | --            | Diesel                            | Diesel                            | ROZ87-98                        | ROZ87-98                        | Diesel                            | Diesel                            |
| Recommended fuel quality                        | --            | Diesel                            | Diesel                            | ROZ95                           | ROZ95                           | Diesel                            | Diesel                            |
| Engine oil capacity                             | liter         | 6.9                               | 6.9                               | 6.9                             | 6.9                             | 6.9                               | 6.9                               |
| Output per litre                                | kW/dm³        | 65.2                              | 65.2                              | 83.4                            | 83.4                            | 98.2                              | 98.2                              |
| Power to weight ratio                           | kg/kW         | 10.8                              | 11.2                              | 8.2                             | 8.5                             | 7.7                               | 8                                 |
| Transmission type                               | --            | 8HP76                             | 8HP76                             | 8HP51                           | 8HP51                           | 8HP76 Sport                       | 8HP76 Sport                       |
| Gear ratios 1st gear                            | --            | 5.5                               | 5.5                               | 5.25                            | 5.25                            | 5.5                               | 5.5                               |
| 2nd                                             | --            | 3.52                              | 3.52                              | 3.36                            | 3.36                            | 3.52                              | 3.52                              |
| 3rd                                             | --            | 2.2                               | 2.2                               | 2.172                           | 2.172                           | 2.2                               | 2.2                               |
| 4th                                             | --            | 1.72                              | 1.72                              | 1.72                            | 1.72                            | 1.72                              | 1.72                              |
| 5th                                             | --            | 1.317                             | 1.317                             | 1.316                           | 1.316                           | 1.317                             | 1.317                             |
| 6th                                             | --            | 1                                 | 1                                 | 1                               | 1                               | 1                                 | 1                                 |
| 7th                                             | --            | Okat                              | Okat                              | 0.822                           | 0.822                           | 0.823                             | 0.823                             |
| 8th                                             | --            | 0.64                              | 0.64                              | 0.64                            | 0.64                            | 0.64                              | 0.64                              |
| Reverse gear                                    | --            | 3.993                             | 3.993                             | 3.712                           | 3.712                           | 3.993                             | 3.993                             |
| Final drive ratio                               | --            | 2.929                             | 2.929                             | 3.385                           | 3.385                           | 3.154                             | 3.154                             |
| Track front                                     | mm            | 1666                              | 1666                              | 1666                            | 1666                            | 1684                              | 1684                              |
| Width of the rear track                         | mm            | 1686                              | 1686                              | 1686                            | 1686                            | 1689                              | 1689                              |
| Wheel offset front                              | mm            | 44                                | 44                                | 44                              | 44                              | 37                                | 37                                |
| Wheel offset rear                               | mm            | 44                                | 44                                | 44                              | 44                              | 43                                | 43                                |
| A                                               | m²            | 2.9                               | 2.9                               | 2.9                             | 2.9                             | 2.9                               | 2.9                               |
| Cx min                                          | --            | 0.31                              | 0.36                              | 0.32                            | 0.32                            | 0.34                              | 0.34                              |
| Cx max                                          | --            | 0.37                              | 0.36                              | 0.37                            | 0.37                            | 0.36                              | 0.36                              |
| Air resistance min                              | m²            | 0.9                               |                                   | 0.93                            |                                 | 0.99                              |                                   |
| Air resistance max                              | m²            | 1.07                              |                                   | 1.07                            |                                 | 1.04                              |                                   |
| NOx                                             | g/km          | 0.0321                            | 0.0321                            | 0.0111                          | 0.0111                          | 0.0367                            | 0.0367                            |
| Alloy Wheels: 1SC                               |               |                                   |                                   |                                 |                                 |                                   |                                   |
| Fuel consumption - urban                        | mpg - l/100km | 41.5 (6.8)                        | 40.4 (7.0)                        | 27.2 (10.4)                     | 26.4 (10.7)                     | -                                 | -                                 |
| Fuel consumption - extra urban                  | mpg - l/100km | 50.4 (5.6)                        | 49.6 (5.7)                        | 38.2 (7.4)                      | 37.7 (7.5)                      | -                                 | -                                 |
| Fuel consumption - combined                     | mpg - l/100km | 47.1 (6)                          | 45.6 (6.2)                        | 33.2 (8.5)                      | 32.5 (8.7)                      | -                                 | -                                 |
| CO2                                             | g/km          | 158                               | 162                               | 193                             | 197                             | -                                 | -                                 |
| Alloy Wheels: 1PA, 1S9, 1SE, 1TC, 1XD, 1XN, 1SM |               |                                   |                                   |                                 |                                 |                                   |                                   |
| Fuel consumption - urban                        | mpg - l/100km | 40.4 (7)                          | 39.2 (7.2)                        | 26.6 (10.6)                     | 26.2 (10.8)                     | 37.2 (7.6)                        | 36.7 (7.7)                        |
| Fuel consumption - extra urban                  | mpg - l/100km | 49.6 (5.7)                        | 48.7 (5.8)                        | 37.7 (7.5)                      | 36.7 (7.7)                      | 44.8 (6.3)                        | 44.1 (6.4)                        |
| Fuel consumption - combined                     | mpg - l/100km | 45.6 (6.2)                        | 44.8 (6.3)                        | 32.5 (8.7)                      | 32.1 (8.8)                      | 41.5 (6.8)                        | 40.9 (6.9)                        |
| CO2                                             | g/km          | 162                               | 165                               | 197                             | 200                             | 179                               | 180                               |
| Emission classification (type-certified)        | --            | EU6d - TEMP                       | EU6d - TEMP                       | EU6d - TEMP                     | EU6d - TEMP                     | EU6d - TEMP                       | EU6d - TEMP                       |
| SCR (Yes/No)                                    | --            | Yes                               | Yes                               | No                              | No                              | Yes                               | Yes                               |
| SCR-Typ Activtank                               | --            | P_Tank refillable by truck nozzle | P_Tank refillable by truck nozzle | -                               | -                               | P_Tank refillable by truck nozzle | P_Tank refillable by truck nozzle |
| AdBlue-Volume (Activtank)                       | liter         | 22                                | 22                                | -                               | -                               | 22                                | 22                                |