

Dados Técnicos  
BMW Z4 Roadster (E89)

|                                                        |         | Z4 sDrive18i                       | Z4 sDrive18i                     | Z4 sDrive20i                       | Z4 sDrive20i                     | Z4 sDrive28i                       |
|--------------------------------------------------------|---------|------------------------------------|----------------------------------|------------------------------------|----------------------------------|------------------------------------|
| Engine type<br>Transmission type<br>Code Nr./Code Nr.2 |         | N20B20U0<br>automatic<br>LL11 LL12 | N20B20U0<br>manuell<br>LL11 LL12 | N20B20U0<br>automatic<br>LL31 LL32 | N20B20U0<br>manuell<br>LL31 LL32 | N20B20U0<br>automatic<br>LL51 LL52 |
| Seats                                                  | --      | 2                                  | 2                                | 2                                  | 2                                | 2                                  |
| Number of Doors                                        | --      | 2                                  | 2                                | 2                                  | 2                                | 2                                  |
| Veh. length                                            | mm      | 4239                               | 4239                             | 4239                               | 4239                             | 4239                               |
| width                                                  | mm      | 1790                               | 1790                             | 1790                               | 1790                             | 1790                               |
| height                                                 | mm      | 1291                               | 1291                             | 1291                               | 1291                             | 1291                               |
| Width inc. mirrors                                     | mm      | 1951                               | 1951                             | 1951                               | 1951                             | 1951                               |
| Width incl.mirror driver                               | mm      | 986                                | 986                              | 986                                | 986                              | 986                                |
| Width incl.mirror passengers side                      | mm      | 965                                | 965                              | 965                                | 965                              | 965                                |
| Wheelbase                                              | mm      | 2496                               | 2496                             | 2496                               | 2496                             | 2496                               |
| Overhang front                                         | mm      | 850                                | 850                              | 850                                | 850                              | 850                                |
| Rear overhang                                          | mm      | 893                                | 893                              | 893                                | 893                              | 893                                |
| Turning circle                                         | m       | 10.7                               | 10.7                             | 10.7                               | 10.7                             | 10.7                               |
| Ground clearance                                       | mm      | 130                                | 130                              | 130                                | 130                              | 130                                |
| Shoulder width front                                   | mm      | 1354                               | 1354                             | 1354                               | 1354                             | 1354                               |
| Elbow width front                                      | mm      | 1439                               | 1439                             | 1439                               | 1439                             | 1439                               |
| effective legroom front [L34]                          | mm      | 1069                               | 1069                             | 1069                               | 1069                             | 1069                               |
| Max. headroom front                                    | mm      | 992                                | 992                              | 992                                | 992                              | 992                                |
| Luggage volumes [V210-2]                               | m³      | 0.31                               | 0.31                             | 0.31                               | 0.31                             | 0.31                               |
| Luggage volume [V210-2.1]                              | m³      | 0.18                               | 0.18                             | 0.18                               | 0.18                             | 0.18                               |
| Fuel tank capacity (approx.)                           | liter   | 55                                 | 55                               | 55                                 | 55                               | 55                                 |
| Curb weight (DIN)                                      | kg      | 1420                               | 1395                             | 1420                               | 1395                             | 1420                               |
| curb weight (EC)                                       | kg      | 1495                               | 1470                             | 1495                               | 1470                             | 1495                               |
| rear Weight distribution (empty car)                   | %       | 52.3                               | 52.9                             | 52.3                               | 52.5                             | 52.3                               |
| Gross veh. weight                                      | kg      | 1750                               | 1725                             | 1750                               | 1725                             | 1750                               |
| Payload                                                | kg      | 330                                | 330                              | 330                                | 330                              | 330                                |
| Axle load limit front                                  | kg      | 795                                | 795                              | 800                                | 800                              | 800                                |
| rear axle load limit                                   | kg      | 975                                | 975                              | 970                                | 970                              | 970                                |
| Gross veh. weight                                      | lbs     | 3858                               | 3803                             | 3858                               | 3803                             | 3858                               |
| Payload                                                | lbs     | 728                                | 728                              | 728                                | 728                              | 728                                |
| Front axle load                                        | lbs     | 1753                               | 1753                             | 1764                               | 1764                             | 1764                               |
| Axle load limit rear                                   | lbs     | 2150                               | 2150                             | 2138                               | 2138                             | 2138                               |
| Engine type                                            | --      | N20B20U0                           | N20B20U0                         | N20B20U0                           | N20B20U0                         | N20B20U0                           |
| Cylinders                                              | --      | 4                                  | 4                                | 4                                  | 4                                | 4                                  |
| Valves p.cyl.                                          | --      | 4                                  | 4                                | 4                                  | 4                                | 4                                  |
| Stroke                                                 | mm      | 90.1                               | 90.1                             | 90.1                               | 90.1                             | 90.1                               |
| Bore                                                   | mm      | 84                                 | 84                               | 84                                 | 84                               | 84                                 |
| Displacement                                           | cm³     | 1997                               | 1997                             | 1997                               | 1997                             | 1997                               |
| Compression rate                                       | :1      | 10                                 | 10                               | 10                                 | 10                               | 10                                 |
| Rated engine power [kW]                                | kW      | 115                                | 115                              | 135                                | 135                              | 180                                |
| Engine power (HP)                                      | PS      | 156                                | 156                              | 184                                | 184                              | 245                                |
| Engine power [bHP]                                     | bHP     | 154                                | 154                              | 181                                | 181                              | 241                                |
| at rpm                                                 | l/min   | 5000                               | 5000                             | 5000                               | 5000                             | 5000                               |
| Engine torque                                          | Nm      | 240                                | 240                              | 270                                | 270                              | 350                                |
| Engine torque                                          | ft lbs  | 177                                | 177                              | 199                                | 199                              | 258                                |
| Comm. torque                                           | --      | (Overboost: 270Nm)                 | (Overboost: 270Nm)               | --                                 | --                               | --                                 |
| at rpm                                                 | l/min   | 1250-4400                          | 1250-4400                        | 1250-4500                          | 1250-4500                        | 1250-4800                          |
| Fuel type                                              | --      | gasoline                           | gasoline                         | gasoline                           | gasoline                         | gasoline                           |
| Useable Fuel quality                                   | --      | ROZ91-98                           | ROZ91-98                         | ROZ91-98                           | ROZ91-98                         | ROZ91-98                           |
| recomm.                                                | --      | ROZ95                              | ROZ95                            | ROZ95                              | ROZ95                            | ROZ95                              |
| Engine oil (filling quantity)                          | liter   | 5.75                               | 5.75                             | 5.75                               | 5.75                             | 5.75                               |
| Output per litre                                       | kW/dm³  | 57.6                               | 57.6                             | 67.6                               | 67.6                             | 90.1                               |
| Power to weight ratio                                  | kg/kW   | 12.2                               | 12.1                             | 10.5                               | 10.4                             | 7.9                                |
| Transmission type                                      | --      | 8HP45                              | I-350-Turbo                      | 8HP45                              | I-350-Turbo                      | 8HP45                              |
| Transmission type                                      | --      | automatic transmission             | manual transmission              | automatic transmission             | manual transmission              | automatic transmission             |
| Gear ratios 1st gear                                   | --      | 4.714                              | 3.683                            | 4.714                              | 3.683                            | 4.714                              |
| 2nd                                                    | --      | 3.143                              | 2.062                            | 3.143                              | 2.062                            | 3.143                              |
| 3rd                                                    | --      | 2.106                              | 1.313                            | 2.106                              | 1.313                            | 2.106                              |
| 4th                                                    | --      | 1.667                              | 1                                | 1.667                              | 1                                | 1.667                              |
| 5th                                                    | --      | 1.285                              | 0.809                            | 1.285                              | 0.809                            | 1.285                              |
| 6th                                                    | --      | 1                                  | 0.677                            | 1                                  | 0.677                            | 1                                  |
| 7th                                                    | --      | 0.839                              | -                                | 0.839                              | -                                | 0.839                              |
| 8th                                                    | --      | 0.667                              | -                                | 0.667                              | -                                | 0.667                              |
| Reverse gear                                           | --      | 3.295                              | 3.348                            | 3.295                              | 3.348                            | 3.295                              |
| Final drive ratio                                      | --      | 3.077                              | 3.727                            | 3.077                              | 3.727                            | 3.727                              |
| Power-steering                                         | --      | EPS                                | EPS                              | EPS                                | EPS                              | EPS                                |
| Steering transmission, overall                         | :1      | 14.4                               | 14.4                             | 14.4                               | 14.4                             | 14.4                               |
| Turning lock-lock                                      | --      | 2.75                               | 2.75                             | 2.75                               | 2.75                             | 2.75                               |
| Front tyres                                            | --      | 225/45 R 17 91W                    | 225/45 R 17 91W                  | 225/45 R 17 91W                    | 225/45 R 17 91W                  | 225/45 R17 91W                     |
| Front rims                                             | --      | 8J x 17 LM                         | 8J x 17 LM                       | 8J x 17 LM                         | 8J x 17 LM                       | 8J x 17 LM                         |
| Rear tyres                                             | --      | 225/45 R 17 91W                    | 225/45 R 17 91W                  | 225/45 R 17 91W                    | 225/45 R 17 91W                  | 225/45 R17 91W                     |
| Rear rims                                              | --      | 8J x 17 LM                         | 8J x 17 LM                       | 8J x 17 LM                         | 8J x 17 LM                       | 8J x 17 LM                         |
| Track front                                            | mm      | 1511                               | 1511                             | 1511                               | 1511                             | 1511                               |
| Width of the rear track                                | mm      | 1562                               | 1562                             | 1562                               | 1562                             | 1562                               |
| Wheel offset front                                     | mm      | 29                                 | 29                               | 29                                 | 29                               | 29                                 |
| Wheel offset rear                                      | mm      | 29                                 | 29                               | 29                                 | 29                               | 29                                 |
| A                                                      | m²      | 1.96                               | 1.96                             | 1.96                               | 1.96                             | 1.96                               |
| Cx                                                     | --      | 0.34                               | 0.34                             | 0.34                               | 0.34                             | 0.34                               |
| Air resistance                                         | m²      | 0.67                               | 0.67                             | 0.67                               | 0.67                             | 0.67                               |
| Top speed                                              | km/h    | 220                                | 221                              | 232                                | 235                              | 250                                |
| 0-100Km/h                                              | s       | 8.1                                | 7.9                              | 6.9                                | 6.9                              | 5.5                                |
| Rim cluster                                            | --      | 11                                 | 11                               | 11                                 | 11                               | 11                                 |
| KV01 city                                              | l/100km | 9.4                                | 8.9                              | 9.4                                | 8.9                              | 9.4                                |
| KV01 highway                                           | l/100km | 5.3                                | 5.6                              | 5.3                                | 5.6                              | 5.3                                |
| KV01 combined                                          | l/100km | 6.8                                | 6.8                              | 6.8                                | 6.8                              | 6.8                                |
| CO2 city                                               | g/km    | 219                                | 207                              | 219                                | 207                              | 219                                |
| CO2 highway                                            | g/km    | 124                                | 131                              | 124                                | 131                              | 124                                |
| CO2 combined                                           | g/km    | 159                                | 159                              | 159                                | 159                              | 159                                |
| Range                                                  | km      | 810                                | 810                              | 810                                | 810                              | 810                                |
| top speed [mph]                                        | mph     | 137                                | 137                              | 144                                | 146                              | 155                                |
| -KV01 city [mpg]                                       | mpg     | 30.1                               | 31.7                             | 30.1                               | 31.7                             | 30.1                               |
| -KV01 hw [mpg]                                         | mpg     | 53.3                               | 50.4                             | 53.3                               | 50.4                             | 53.3                               |
| -KV01 comb [mpg]                                       | mpg     | 41.5                               | 41.5                             | 41.5                               | 41.5                             | 41.5                               |
| Emission classification (type-certified)               | --      | EU6                                | EU6                              | EU6                                | EU6                              | EU6                                |
| CO                                                     | g/km    | 0.2852                             | 0.3093                           | 0.2852                             | 0.3093                           | 0.2237                             |
| NOx                                                    | g/km    | 0.0318                             | 0.024                            | 0.0318                             | 0.024                            | 0.0381                             |
| HC                                                     | g/km    | 0.0302                             | 0.0278                           | 0.0302                             | 0.0278                           | 0.0354                             |
| NMHC                                                   | g/km    | 0.0237                             | 0.0218                           | 0.0237                             | 0.0218                           | 0.0291                             |
| Particles                                              | g/km    | 0.00011                            | 0.00006                          | 0.00011                            | 0.00006                          | 0.00005                            |
| N-Particles                                            | --      | --                                 | 0.17                             | --                                 | --                               | --                                 |
| Driving noise                                          | dB(A)   | 72                                 | 74                               | 72                                 | 74                               | 72                                 |
| Standing noise                                         | dB(A)   | 89                                 | 88                               | 89                                 | 88                               | 89                                 |
| Standing noise / rpm                                   | l/min   | 3750                               | 3750                             | 3750                               | 3750                             | 3750                               |
| Battery Capacity (low voltage)                         | Ah      | 70                                 | 70                               | 70                                 | 70                               | 70                                 |
| Veh. width [inch]                                      | inch    | 70.5                               | 70.5                             | 70.5                               | 70.5                             | 70.5                               |
| Width incl mirrors [inch]                              | inch    | 76.8                               | 76.8                             | 76.8                               | 76.8                             | 76.8                               |
| Veh. height [inch]                                     | inch    | 50.8                               | 50.8                             | 50.8                               | 50.8                             | 50.8                               |
| Wheelbase [inch]                                       | inch    | 98.3                               | 98.3                             | 98.3                               | 98.3                             | 98.3                               |
| Overhang front [inch]                                  | inch    | 33.5                               | 33.5                             | 33.5                               | 33.5                             | 33.5                               |
| Rear overhang [inch]                                   | inch    | 35.2                               | 35.2                             | 35.2                               | 35.2                             | 35.2                               |
| Ground clearance [inch]                                | inch    | 5.1                                | 5.1                              | 5.1                                | 5.1                              | 5.1                                |
| Turning circle [ft]                                    | ft      | 35.1                               | 35.1                             | 35.1                               | 35.1                             | 35.1                               |
| Legroom front [inch]                                   | inch    | 42.1                               | 42.1                             | 42.1                               | 42.1                             | 42.1                               |
| Shoulder room front [inch]                             | inch    | 53.3                               | 53.3                             | 53.3                               | 53.3                             | 53.3                               |
| Headroom front [inch]                                  | inch    | 39.1                               | 39.1                             | 39.1                               | 39.1                             | 39.1                               |
| Front Seat Volume [ft³]                                | ft³     | 50.7                               | 50.7                             | 50.7                               | 50.7                             | 50.7                               |
| Lifting [inch]                                         | inch    | 3.5                                | 3.5                              | 3.5                                | 3.5                              | 3.5                                |
| Bore [inch]                                            | inch    | 3.3                                | 3.3                              | 3.3                                | 3.3                              | 3.3                                |
| Capacity [inch³]                                       | inch    | 122                                | 122                              | 122                                | 122                              | 122                                |
| Engineoil                                              | --      | 6.1                                | 6.1                              | 6.1                                | 6.1                              | 6.1                                |
| Track front [inch]                                     | inch    | 59.5                               | 59.5                             | 59.5                               | 59.5                             | 59.5                               |
| Rear track [inch]                                      | inch    | 61.5                               | 61.5                             | 61.5                               | 61.5                             | 61.5                               |
| Facing surface [ft²]                                   | ft      | 21.1                               | 21.1                             | 21.1                               | 21.1                             | 21.1                               |
| Cx[A] [ft²]                                            | ft      | 7.17                               | 7.17                             | 7.17                               | 7.17                             | 7.17                               |

| Z4 sDrive28i<br>-<br>N20B2000<br>manuell<br>LL51 LL52 | Z4 sDrive35i<br>N54B3000<br>automatic<br>LM71 LM72 | Z4 sDrive35i<br>N54B3000<br>manuell<br>LM71 LM72 | Z4 sDrive35is<br>N54B30T0<br>automatic<br>LM11 LM12 |
|-------------------------------------------------------|----------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|
| 2                                                     | 2                                                  | 2                                                | 2                                                   |
| 2                                                     | 2                                                  | 2                                                | 2                                                   |
| 4239                                                  | 4239                                               | 4239                                             | 4244                                                |
| 1790                                                  | 1790                                               | 1790                                             | 1790                                                |
| 1291                                                  | 1291                                               | 1291                                             | 1284                                                |
| 1951                                                  | 1951                                               | 1951                                             | 1951                                                |
| 986                                                   | 986                                                | 986                                              | 986                                                 |
| 965                                                   | 965                                                | 965                                              | 965                                                 |
| 2496                                                  | 2496                                               | 2496                                             | 2496                                                |
| 850                                                   | 850                                                | 850                                              | 850                                                 |
| 893                                                   | 893                                                | 893                                              | 896                                                 |
| 10.7                                                  | 10.7                                               | 10.7                                             | 10.7                                                |
| 130                                                   | 130                                                | 130                                              | 124                                                 |
| 1354                                                  | 1354                                               | 1354                                             | 1354                                                |
| 1439                                                  | 1439                                               | 1439                                             | 1439                                                |
| 1069                                                  | 1069                                               | 1069                                             | 1069                                                |
| 992                                                   | 992                                                | 992                                              | 992                                                 |
| 0.31                                                  | 0.31                                               | 0.31                                             | 0.31                                                |
| 0.18                                                  | 0.18                                               | 0.18                                             | 0.18                                                |
| 55                                                    | 55                                                 | 55                                               | 55                                                  |
| 1400                                                  | 1525                                               | 1505                                             | 1525                                                |
| 1475                                                  | 1600                                               | 1580                                             | 1600                                                |
| 52.4                                                  | 50.4                                               | 51                                               | 50.4                                                |
| 1730                                                  | 1855                                               | 1835                                             | 1855                                                |
| 330                                                   | 330                                                | 330                                              | 330                                                 |
| 800                                                   | 870                                                | 870                                              | 870                                                 |
| 970                                                   | 1000                                               | 1000                                             | 1000                                                |
| 3814                                                  | 4090                                               | 4045                                             | 4090                                                |
| 728                                                   | 728                                                | 728                                              | 728                                                 |
| 1764                                                  | 1918                                               | 1918                                             | 1918                                                |
| 2138                                                  | 2205                                               | 2205                                             | 2205                                                |
| N20B2000                                              | N54B3000                                           | N54B3000                                         | N54B30T0                                            |
| 4                                                     | 6                                                  | 6                                                | 6                                                   |
| 4                                                     | 4                                                  | 4                                                | 4                                                   |
| 90.1                                                  | 89.6                                               | 89.6                                             | 89.6                                                |
| 84                                                    | 84                                                 | 84                                               | 84                                                  |
| 1997                                                  | 2979                                               | 2979                                             | 2979                                                |
| 10                                                    | 10.2                                               | 10.2                                             | 10.2                                                |
| 180                                                   | 225                                                | 225                                              | 250                                                 |
| 245                                                   | 306                                                | 306                                              | 340                                                 |
| 241                                                   | 302                                                | 302                                              | 335                                                 |
| 5000                                                  | 5800                                               | 5800                                             | 5900                                                |
| 350                                                   | 400                                                | 400                                              | 450                                                 |
| 258                                                   | 295                                                | 295                                              | 332                                                 |
| 1250-4800                                             | 1300-5000                                          | 1300-5000                                        | (Overboost: 500Nm)<br>1500-4500                     |
| gasoline                                              | gasoline                                           | gasoline                                         | gasoline                                            |
| ROZ91-98                                              | ROZ95-98                                           | ROZ95-98                                         | ROZ95-98                                            |
| ROZ95                                                 | ROZ95                                              | ROZ95                                            | ROZ95                                               |
| 5.75                                                  | 6.5                                                | 6.5                                              | 6.5                                                 |
| 90.1                                                  | 75.5                                               | 75.5                                             | 83.9                                                |
| 7.8                                                   | 6.9                                                | 6.7                                              | 7.1                                                 |
| I-350 Turbo                                           | DKG 436                                            | G                                                | DKG 436                                             |
| manual transmission                                   | automatic transmission                             | manual transmission                              | automatic transmission                              |
| 3.683                                                 | 4.78                                               | 4.055                                            | 4.78                                                |
| 2.062                                                 | 3.056                                              | 2.396                                            | 3.056                                               |
| 1.313                                                 | 2.153                                              | 1.582                                            | 2.153                                               |
| 1                                                     | 1.678                                              | 1.192                                            | 1.678                                               |
| 0.809                                                 | 1.39                                               | 1                                                | 1.39                                                |
| 0.677                                                 | 1.203                                              | 0.872                                            | 1.203                                               |
| -                                                     | 1                                                  | -                                                | 1                                                   |
| -                                                     | -                                                  | -                                                | -                                                   |
| 3.348                                                 | 4.454                                              | 3.677                                            | 4.454                                               |
| 3.077                                                 | 2.563                                              | 3.077                                            | 2.563                                               |
| EPS                                                   | EPS                                                | EPS                                              | EPS                                                 |
| 14.4                                                  | 14.4                                               | 14.4                                             | 14.4                                                |
| 2.75                                                  | 2.75                                               | 2.75                                             | 2.75                                                |
| 225/45 R17 91W                                        | 225/45 R17 91W                                     | 225/45 R17 91W                                   | 225/40 R18 88W                                      |
| 8J x 17 LM                                            | 8J x 17 LM                                         | 8J x 17 LM                                       | 8J x 18 LM                                          |
| 225/45 R17 91W                                        | 255/40 R17 94W                                     | 255/40 R17 94W                                   | 255/35 R18 90W                                      |
| 8J x 17 LM                                            | 8.5J x 17 LM                                       | 8.5J x 17 LM                                     | 8.5J x 18 LM                                        |
| 1511                                                  | 1511                                               | 1511                                             | 1511                                                |
| 1562                                                  | 1540                                               | 1540                                             | 1540                                                |
| 29                                                    | 29                                                 | 29                                               | 29                                                  |
| 29                                                    | 40                                                 | 40                                               | 40                                                  |
| 1.96                                                  | 1.96                                               | 1.96                                             | 1.96                                                |
| 0.34                                                  | 0.34                                               | 0.34                                             | 0.35                                                |
| 0.67                                                  | 0.67                                               | 0.67                                             | 0.69                                                |
| 250                                                   | 250                                                | 250                                              | 250                                                 |
| 5.7                                                   | 5.1                                                | 5.2                                              | 4.8                                                 |
| -                                                     | -                                                  | -                                                | -                                                   |
| 9.1                                                   | 12.9                                               | 13.4                                             | 12.9                                                |
| 5.5                                                   | 6.8                                                | 7.1                                              | 6.8                                                 |
| 6.8                                                   | 9.1                                                | 9.4                                              | 9.1                                                 |
| 210                                                   | 299                                                | 311                                              | 299                                                 |
| 129                                                   | 159                                                | 166                                              | 159                                                 |
| 159                                                   | 211                                                | 219                                              | 211                                                 |
| 810                                                   | 605                                                | 585                                              | 605                                                 |
| 155                                                   | 155                                                | 155                                              | 155                                                 |
| 31                                                    | 21.9                                               | 21.1                                             | 21.9                                                |
| 41.5                                                  | 41.5                                               | 39.8                                             | 41.5                                                |
| 41.5                                                  | 31                                                 | 30.1                                             | 31                                                  |
| EU6                                                   | EU6                                                | EU6                                              | EU6                                                 |
| 0.2825                                                | 0.2616                                             | 0.4331                                           | 0.2616                                              |
| 0.0189                                                | 0.0195                                             | 0.0082                                           | 0.0195                                              |
| 0.0307                                                | 0.0558                                             | 0.0435                                           | 0.0558                                              |
| 0.0245                                                | 0.0458                                             | 0.0329                                           | 0.0458                                              |
| 0.00022                                               | 0.00061                                            | 0.00038                                          | 0.00061                                             |
| -                                                     | -                                                  | -                                                | -                                                   |
| 74                                                    | 74                                                 | 73                                               | 74                                                  |
| 88                                                    | 85                                                 | 85                                               | 86                                                  |
| 3750                                                  | 3750                                               | 3750                                             | 3750                                                |
| 70                                                    | 70                                                 | 70                                               | 70                                                  |
| 70.5                                                  | 70.5                                               | 70.5                                             | 70.5                                                |
| 76.8                                                  | 76.8                                               | 76.8                                             | 76.8                                                |
| 50.8                                                  | 50.8                                               | 50.8                                             | 50.6                                                |
| 98.3                                                  | 98.3                                               | 98.3                                             | 98.3                                                |
| 33.5                                                  | 33.5                                               | 33.5                                             | 33.5                                                |
| 35.2                                                  | 35.2                                               | 35.2                                             | 35.4                                                |
| 5.1                                                   | 5.1                                                | 5.1                                              | 4.9                                                 |
| 35.1                                                  | 35.1                                               | 35.1                                             | 35.1                                                |
| 42.1                                                  | 42.1                                               | 42.1                                             | 42.1                                                |
| 53.3                                                  | 53.3                                               | 53.3                                             | 53.3                                                |
| 39.1                                                  | 39.1                                               | 39.1                                             | 39.1                                                |
| 50.7                                                  | 50.7                                               | 50.7                                             | 50.7                                                |
| 3.5                                                   | 3.5                                                | 3.5                                              | 3.5                                                 |
| 3.3                                                   | 3.3                                                | 3.3                                              | 3.3                                                 |
| 122                                                   | 182                                                | 182                                              | 182                                                 |
| 6.1                                                   | 6.9                                                | 6.9                                              | 6.9                                                 |
| 59.5                                                  | 59.5                                               | 59.5                                             | 59.5                                                |
| 61.5                                                  | 60.6                                               | 60.6                                             | 60.6                                                |
| 21.1                                                  | 21.1                                               | 21.1                                             | 21.1                                                |
| 7.17                                                  | 7.17                                               | 7.17                                             | 7.39                                                |