

Fuel consumption standards and fleet average performance of US, EU, Japan, and China

Incorporate most updated fuel consumption standards and latest fleet average fuel consumption of US, EU, Japan, and China, considering the difference between test cycles.

| CO ₂ (g/km) | CO ₂ (g/mile) | l/100km (Petrol) | l/100km (Diesel) | km/l (Petrol) | km/l (Diesel) | MPG (Petrol) | MPG (Diesel) | Standards (NEDC Equivalent) | Standards (CAFE Equivalent) | Standards (WLTC Equivalent) | Standards (JC08 Equivalent) |
|---------------------------|-----------------------------|---------------------|---------------------|------------------|------------------|-----------------|-----------------|--|--|---|--|
| 50 | 80.5 | 2.1 | 1.9 | 46.7 | 53.7 | 109.9 | 126.3 | | | | |
| 60.3 | 97.0 | 2.6 | 2.2 | 38.8 | 44.5 | 91.2 | 104.7 | | | | |
| 73.9 | 118.9 | 3.2 | 2.8 | 31.6 | 36.3 | 74.4 | 85.5 | 2015 Toyota Prius Liftback | | | 2015 Toyota Prius Liftback |
| 77.4 | 124.6 | 3.3 | 2.9 | 30.2 | 34.7 | 71.0 | 81.6 | | 2015 Toyota Prius Liftback | | |
| 86.4 | 139.0 | 3.7 | 3.2 | 27.0 | 31.1 | 63.6 | 73.1 | | | | US 2025 PV Standard EU 2021 PV Standard |
| 87.3 | 140.5 | 3.7 | 3.3 | 26.8 | 30.7 | 63.0 | 72.3 | | | 2015 Toyota Prius Liftback | |
| 90 | 144.8 | 3.9 | 3.4 | 26.0 | 29.8 | 61.1 | 70.2 | | | | |
| 93.5 | 143.0 | 4.0 | 3.5 | 25.0 | 28.7 | 58.8 | 67.5 | | | | |
| 95 | 152.9 | 4.1 | 3.5 | 24.6 | 28.3 | 57.9 | 66.5 | EU 2021 PV Standard | | | |
| 96.6 | 155.4 | 4.1 | 3.6 | 24.2 | 27.8 | 56.9 | 65.4 | | EU 2021 PV Standard | | |
| 97.0 | 156.1 | 4.2 | 3.6 | 24.1 | 27.7 | 56.7 | 65.1 | US 2025 PV Standard | | | |
| 97.8 | 157.4 | 4.2 | 3.6 | 23.9 | 27.4 | 56.2 | 64.6 | | US 2025 PV Standard | | |
| 100 | 160.9 | 4.3 | 3.7 | 23.4 | 26.8 | 55.0 | 63.1 | | | EU 2021 PV Standard | |
| 108.8 | 175.1 | 4.5 | 4.1 | 22.1 | 24.7 | 52.1 | 58.0 | | | | China 2020 PV Standard Japan 2013 PV fuel consumption Japan 2020 PV Standard |
| 108.9 | 175.2 | 4.5 | 4.1 | 22.1 | 24.7 | 52.1 | 58.0 | | | | |
| 111.1 | 178.8 | 4.8 | 4.1 | 21.0 | 24.2 | 49.5 | 56.8 | | | | |
| 114.5 | 184.2 | 4.9 | 4.3 | 20.4 | 23.4 | 48.0 | 55.2 | | | | |
| 115.1 | 185.2 | 4.9 | 4.3 | 20.3 | 23.3 | 47.8 | 54.9 | | | US 2025 PV Standard | |
| 115.2 | 185.4 | 4.9 | 4.3 | 20.3 | 23.3 | 47.7 | 54.8 | | China 2020 PV Standard Japan 2013 PV fuel consumption | | |
| 117.0 | 188.3 | 5.0 | 4.4 | 20.0 | 22.9 | 47.0 | 54.0 | China 2020 PV Standard | | | |
| 119.0 | 191.5 | 5.1 | 4.4 | 19.6 | 22.6 | 46.2 | 53.1 | Japan 2013 PV fuel consumption | | | |
| 119.7 | 192.6 | 5.1 | 4.5 | 19.6 | 22.4 | 46.2 | 52.8 | | | | EU 2014 PV fuel consumption |
| 119.8 | 192.7 | 5.1 | 4.5 | 19.5 | 22.4 | 45.9 | 52.7 | | EU 2014 PV fuel consumption Japan 2020 PV Standard | | |
| 119.8 | 192.7 | 5.1 | 4.5 | 19.5 | 22.4 | 45.9 | 52.7 | | | | |
| 122.0 | 196.3 | 5.2 | 4.5 | 19.2 | 22.0 | 45.2 | 51.8 | Japan 2020 PV Standard | | | |
| 123.0 | 197.9 | 5.2 | 4.6 | 19.2 | 21.8 | 45.2 | 51.3 | EU 2014 PV fuel consumption | | | |
| 129.4 | 208.2 | 5.5 | 4.8 | 18.1 | 20.7 | 42.5 | 48.8 | | | | Japan 2022 LCV Standard |
| 130.9 | 210.6 | 5.6 | 4.9 | 17.9 | 20.5 | 42.0 | 48.2 | | Japan 2022 LCV Standard | | |
| 133.1 | 214.2 | 5.7 | 5.0 | 17.6 | 20.2 | 41.4 | 47.4 | | | China 2020 PV Standard EU 2014 PV fuel consumption Japan 2013 PV fuel consumption | |
| 133.2 | 214.3 | 5.7 | 5.0 | 17.6 | 20.2 | 41.4 | 47.4 | | | | |
| 135 | 217.2 | 5.8 | 5.0 | 17.3 | 19.9 | 40.7 | 46.8 | Japan 2022 LCV Standard | | | |
| 136 | 218.3 | 5.8 | 5.1 | 17.2 | 19.8 | 40.5 | 46.5 | | | | US 2025 LT Standard |
| 136.4 | 219.5 | 5.8 | 5.1 | 17.1 | 19.7 | 40.3 | 46.3 | | US 2025 LT Standard | | |
| 137.1 | 220.6 | 5.9 | 5.1 | 17.0 | 19.6 | 40.1 | 46.1 | | EU 2020 LCV Standard | | |
| 137.7 | 221.6 | 5.9 | 5.1 | 17.0 | 19.5 | 40.1 | 45.9 | | | Japan 2020 PV Standard | |
| 140 | 225.3 | 6.0 | 5.2 | 16.7 | 19.2 | 39.3 | 45.1 | | | | |
| 141.0 | 226.9 | 6.0 | 5.3 | 16.6 | 19.0 | 39.0 | 44.8 | US 2025 LT Standard | | | |
| 145.4 | 234.0 | 6.2 | 5.4 | 16.1 | 18.5 | 37.8 | 43.4 | | US 2016 PV Standard | | |
| 147.0 | 236.5 | 6.3 | 5.5 | 15.9 | 18.3 | 37.4 | 43.0 | EU 2020 LCV Standard | | | |
| 147.2 | 236.8 | 6.3 | 5.5 | 15.9 | 18.2 | 37.3 | 42.9 | | | | US 2016 PV Standard |
| 147.8 | 237.8 | 6.3 | 5.5 | 15.8 | 18.2 | 37.2 | 42.7 | | Japan 2015 LCV Standard | | |
| 149.3 | 240.2 | 6.3 | 5.6 | 15.8 | 18.0 | 37.2 | 42.3 | | | Japan 2022 LCV Standard EU 2020 LCV Standard | |
| 149.4 | 240.4 | 6.3 | 5.6 | 15.8 | 18.0 | 37.2 | 42.3 | | US 2014 PV fuel consumption | | |
| 150.6 | 242.3 | 6.4 | 5.6 | 15.5 | 17.8 | 36.5 | 41.9 | | | | |
| 150.9 | 242.8 | 6.4 | 5.6 | 15.5 | 17.8 | 36.5 | 41.8 | | | | EU 2020 LCV Standard |
| 151.0 | 243.0 | 6.5 | 5.6 | 15.5 | 17.8 | 36.4 | 41.8 | US 2016 PV Standard | | | |
| 152.3 | 245.1 | 6.4 | 5.7 | 15.5 | 17.6 | 36.5 | 41.5 | | | | Japan 2015 LCV Standard |
| 153.6 | 247.1 | 6.6 | 5.7 | 15.2 | 17.5 | 35.8 | 41.1 | | China 2015 PV Standard | | |
| 153.8 | 247.5 | 6.6 | 5.7 | 15.2 | 17.5 | 35.8 | 41.1 | | | | US 2014 PV fuel consumption |
| 154.0 | 247.8 | 6.6 | 5.7 | 15.2 | 17.4 | 35.7 | 41.0 | | China 2020 LCV target* EU 2014 LCV fuel consumption | | |
| 154.4 | 248.5 | 6.6 | 5.8 | 15.1 | 17.4 | 35.6 | 40.9 | | | | |
| 154.6 | 248.8 | 6.6 | 5.8 | 15.1 | 17.4 | 35.6 | 40.8 | | | US 2025 LT Standard | |
| 155 | 249.4 | 6.6 | 5.8 | 15.1 | 17.3 | 35.5 | 40.7 | Japan 2015 LCV Standard | | | |
| 155.4 | 250.0 | 6.6 | 5.8 | 15.0 | 17.3 | 35.4 | 40.6 | | Japan 2012 LCV fuel consumption | | |
| 157.0 | 250.0 | 6.7 | 5.8 | 14.9 | 17.1 | 35.0 | 40.2 | US 2014 PV fuel consumption | | | |
| 159.2 | 250.0 | 6.8 | 5.9 | 14.7 | 16.9 | 34.5 | 39.7 | | | | China 2015 PV Standard |
| 160.3 | 257.9 | 6.9 | 6.0 | 14.6 | 16.7 | 34.3 | 39.4 | | China 2014 PV fuel consumption | | |
| 161.0 | 259.0 | 6.9 | 6.0 | 14.5 | 16.7 | 34.1 | 39.2 | China 2015 PV Standard China 2020 LCV target* | | | |
| 162.0 | 260.7 | 6.9 | 6.0 | 14.4 | 16.6 | 33.9 | 39.0 | | | | Japan 2012 LCV fuel consumption |
| 162.5 | 261.5 | 7.0 | 6.1 | 14.4 | 16.5 | 33.8 | 38.9 | | | | |
| 163.5 | 263.1 | 7.0 | 6.1 | 14.3 | 16.4 | 33.6 | 38.6 | | | US 2016 PV Standard | |
| 164.0 | 263.9 | 7.0 | 6.1 | 14.2 | 16.4 | 33.5 | 38.5 | Japan 2012 LCV fuel consumption | | | |
| 164.5 | 264.7 | 7.0 | 6.1 | 14.2 | 16.3 | 33.4 | 38.4 | | | | China 2020 LCV target* |
| 167.3 | 269.2 | 7.2 | 6.2 | 14.0 | 16.0 | 32.9 | 37.7 | | | Japan 2015 LCV Standard China 2020 LCV target* EU 2014 LCV fuel consumption | |
| 167.8 | 270.0 | 7.2 | 6.3 | 13.9 | 16.0 | 32.8 | 37.6 | | | | China 2014 PV fuel consumption |
| 168.2 | 270.6 | 7.2 | 6.3 | 13.9 | 16.0 | 32.7 | 37.5 | | | | |
| 168.3 | 270.7 | 7.2 | 6.3 | 13.9 | 16.0 | 32.7 | 37.5 | | | | |
| 168.9 | 271.8 | 7.2 | 6.3 | 13.9 | 15.9 | 32.7 | 37.4 | | US 2014 PV fuel consumption | | |
| 169.0 | 271.9 | 7.2 | 6.3 | 13.8 | 15.9 | 32.5 | 37.4 | China 2014 PV fuel consumption EU 2014 LCV fuel consumption | | | |
| 169.0 | 271.9 | 7.2 | 6.3 | 13.8 | 15.9 | 32.5 | 37.4 | | | | |
| 172.6 | 277.7 | 7.4 | 6.4 | 13.5 | 15.6 | 31.8 | 36.6 | | China 2015 PV Standard | | |
| 175.4 | 282.2 | 7.5 | 6.5 | 13.3 | 15.3 | 31.3 | 36.0 | | Japan 2012 LCV fuel consumption | | |
| 176.7 | 284.3 | 7.6 | 6.6 | 13.2 | 15.2 | 31.1 | 35.7 | | | | EU 2014 LCV fuel consumption |
| 179.8 | 289.3 | 7.7 | 6.7 | 13.0 | 14.9 | 30.6 | 35.1 | | China 2014 PV fuel consumption | | |
| 180 | 289.6 | 7.7 | 6.7 | 13.0 | 14.9 | 30.5 | 35.1 | | | | |
| 184.5 | 296.8 | 7.9 | 6.9 | 12.7 | 14.6 | 29.8 | 34.2 | | China 2012 LCV fuel consumption US 2016 LT Standard | | |
| 190.9 | 307.1 | 8.2 | 7.1 | 12.2 | 14.1 | 28.8 | 33.1 | | | | |
| 195 | 313.8 | 8.3 | 7.3 | 12.0 | 13.8 | 28.2 | 32.4 | | | | |
| 202.0 | 325.0 | 8.6 | 7.5 | 11.6 | 13.3 | 27.2 | 31.3 | US 2016 LT Standard | | | |
| 202.0 | 325.0 | 8.6 | 7.5 | 11.6 | 13.3 | 27.2 | 31.3 | China 2012 LCV fuel consumption | | | |
| 202.7 | 326.1 | 8.7 | 7.6 | 11.5 | 13.2 | 27.1 | 31.2 | | | China 2012 LCV fuel consumption | |
| 205.2 | 330.2 | 8.8 | 7.6 | 11.4 | 13.1 | 26.8 | 30.8 | | | | US 2016 LT Standard |
| 208.2 | 335.0 | 8.9 | 7.8 | 11.2 | 12.9 | 26.4 | 30.3 | | US 2014 LT fuel consumption | | |
| 209.3 | 336.8 | 8.9 | 7.8 | 11.2 | 12.8 | 26.4 | 30.2 | | | US 2016 LT Standard | |
| 210.8 | 339.2 | 8.9 | 7.9 | 11.2 | 12.7 | 26.4 | 30.0 | | | | China 2012 LCV fuel consumption |
| 222.0 | 357.2 | 9.5 | 8.3 | 10.5 | 12.1 | 24.8 | 28.4 | US 2014 LT fuel consumption | | | |
| 227.3 | 365.7 | 9.7 | 8.5 | 10.3 | 11.8 | 24.2 | 27.8 | | US 2014 LT fuel consumption | | |
| 227.4 | 365.9 | 9.7 | 8.5 | 10.3 | 11.8 | 24.2 | 27.8 | | | | US 2014 LT fuel consumption |
| 240 | 386.2 | 10.3 | 8.9 | 9.7 | 11.2 | 22.9 | 26.3 | | | | |
| 379.1 | 610.0 | 16.2 | 14.1 | 6.2 | 7.1 | 14.5 | 16.7 | | 2015 Lamborghini Aventador | | |
| 408.9 | 657.9 | 17.5 | 15.2 | 5.7 | 6.6 | 13.4 | 15.4 | | | 2015 Lamborghini Aventador | |
| 415.6 | 668.7 | 17.8 | 15.5 | 5.6 | 6.5 | 13.2 | 15.2 | 2015 Lamborghini Aventador | | | |
| 444.9 | 715.8 | 19.0 | 16.6 | 5.3 | 6.0 | 12.4 | 14.2 | | | | 2015 Lamborghini Aventador |

Note: 1 Gallon = 3.785 liter; 1 mile = 1.609 km; CO₂ emissions: 2337 g/l of gasoline; 2684 g/l of diesel; PV = passenger vehicle; LT = light truck; LCV = light commercial vehicle

* Estimated by ICCT

Values presented in official test cycle are marked in red

Sources:

EU Standards: Regulation (EC) No 443/2009; Amending Regulation (EC) No 443/2009

EU Standards: Regulation (EU) No 510/2011

EU Performance: European vehicle market statistics pocketbook 2014, available at: <http://eupocketbook.theicct.org/>

US Standards: MY2012-2016 targets are from US EPA/NHTSA joint final rule, released May 7, 2010, available at: <http://www.epa.gov/otaq/climate/regulations.htm>

US Standards: MY2017-2025 targets are from US EPA/NHTSA joint final rule, released August, 2012, available at: <http://www.gpo.gov/fdsys/pkg/FR-2012-10-15/pdf/2012-21972.pdf>

US Performance: Light-duty automotive technology, carbon dioxide emissions, and fuel economy trends: 1975 through 2014, available at: <http://www3.epa.gov/fueleconomy/fetrends/1975-2014/420r14023a.pdf>

Japan Standards: MLIT, August 19, 2011, available in Japanese: <http://www.mlit.go.jp/common/000163736.pdf>

Japan Performance: MLIT, March 2015, available in Japanese: <http://www.mlit.go.jp/common/001084233.pdf>

China Standards: Limits of fuel consumption for passenger cars (GB 19578—2014; GB 27999-2014): <http://chinaafc.miit.gov.cn/n2257/n2260/c97720/content.html>

China Standards: Limits of fuel consumption for light duty commercial vehicles (GB 20997): http://www.inmetro.gov.br/barreirastecnicas/pontofocal/..%5Cpontofocal%5Ctextos%5Cregulamentos%5CCHN_253_REV_1.pdf

China Performance: MIIT announcement 2015. Available at: <http://www.miit.gov.cn/n11293472/n11293832/n11293907/n11368223/16646955.html>

2015 Toyota Prius Liftback, 2015 Lamborghini Aventador: <http://www.fueleconomy.gov/>