FACT SHEET CHINA

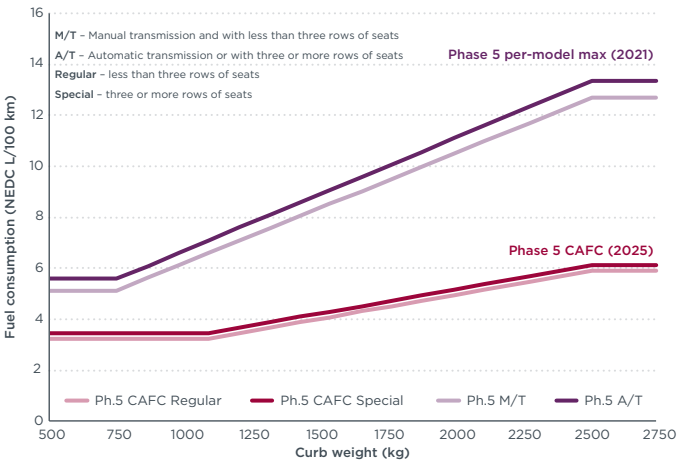
icct
THE INTERNATIONAL COUNCIL ON CLEAN TRANSPORTATION

MARCH 2021

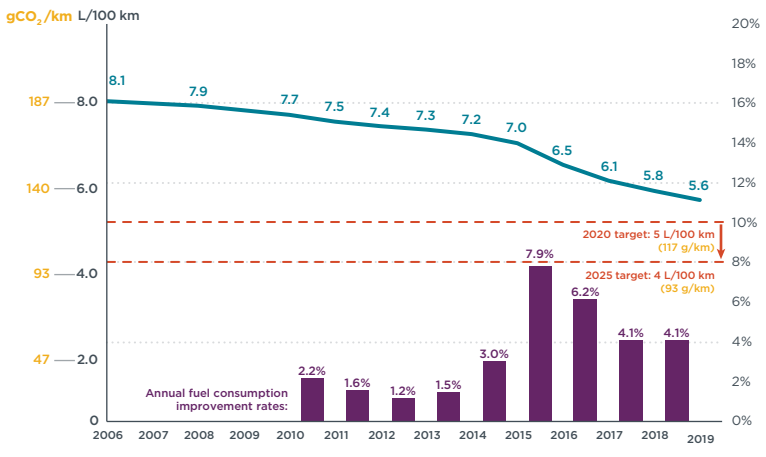
PASSENGER CAR

New sales	21.4 million (2019), BEVs and PHEVs account for 3.3% and 1.1%, respectively (2018)
Metric	Fuel consumption (L/100 km)
Regulatory agency	Ministry of Industry and Information Technology (MIIT)
Regulated vehicles	Passenger vehicles under 3,500 kg (maximum designed gross vehicle weight) with no more than nine seats (M1), domestically produced or imported. Includes diesel, gasoline, gas fuel (compressed natural gas, liquefied natural gas, and liquefied petroleum gas), and alcohol ether fuel vehicles, plug-in EVs, and FCVs (the per-model standard only applies to vehicles that could be propelled by gasoline and diesel).
Regulation	Fuel consumption evaluation methods and targets for passenger cars (i.e., Phase V CAFC standard) GB 27999-2019 Fuel consumption limits for passenger cars (i.e. Phase V per-model standard) GB19578-2021
Timeframe	2021–2025
Fleet target	4 L/100 km (NEDC, 2025)
Actual new vehicle fleet average	5.56 L/100 km (2019)
Compliance parameter	Per-model and corporate average based on curb mass
Test cycle	WLTC from 2021
Emission standards	CHINA 6 (GB 18352.6-2016) from July 1, 2020
Key sources	Measurement methods of fuel consumption for light-duty vehicles GB/T 19233-2020
Notes	The dual credit policy (similar to California's ZEV mandate policy) sets both corporate average fuel consumption (CAFC) targets and new energy vehicle (NEV) targets for auto companies that produce or import passenger vehicles. NEVs (BEVs, PHEVs, and FCVs) are assigned with different NEV credits. The NEV score target is defined as the company's annual conventional-fuel passenger car production or import multiplied by a required percentage target. The percentage requirements for the years 2021 through 2023 are 14%, 16%, 18%, respectively. https://www.miit.gov.cn/zwgk/zcwj/flfg/art/2020/art_2337a6d7ca894c5c8e8483cf9400ecdd.html

PASSENGER VEHICLE FUEL CONSUMPTION STANDARDS PLOT



PASSENGER VEHICLE FUEL CONSUMPTION HISTORICAL TREND AND FUTURE TARGETS



LIGHT-DUTY COMMERCIAL VEHICLE

New sales	2.9 million (2019)
Metric	Fuel consumption (L/100 km)
Regulatory agency	Ministry of Industry and Information Technology (MIIT)
Regulated vehicles	Cargo vehicles with maximum designed gross vehicle weight under 3,500 kg (N1) with a maximum speed of least of 50 km/h, and passenger vehicles with more than 9 seats (M2) below 3,500 kg gross vehicle weight, both domestic and imported.
Regulation	Limits of fuel consumption for light-duty commercial vehicles (i.e., Phase III standards) GB 20997-2015
Timeframe	From 2018
Fleet target	6.8 L/100 km (ICCT estimated target under NEDC, 2020)
Actual new vehicle fleet average	8.7 L/100 km (2012)
Compliance parameter	Per-model standard based on vehicle weight class
Test cycle	WLTC from 2021
Emission standards	CHINA 6 (GB 18352.6-2016) from July 1, 2020
Key sources	Measurement methods of fuel consumption for light-duty vehicles GB/T 19233-2020 Standard Compilation Illustration
Notes	The fourth stage of the light-commercial fuel consumption standard is currently under development. Though details are not yet available, both the limits for per-model and corporate average fuel consumption will be stricter. http://www.catarc.org.cn/work/detail/1880.html The measurement methods of fuel consumption for light-duty vehicles (GB/T 19233-2020) was issued on June 2, 2020. The effective date is January 1, 2021. https://www.spc.org.cn/online/GB%252FT%252019233-2020/

For full details, and a comprehensive comparison of light-duty vehicle standards worldwide, visit www.theicct.org/info-tools/global-passenger-vehicle-standards.

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On behalf of:

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