

Statistics on characteristics of road vehicles

Year 2022 *

Tiranë, 21 July 2023: Publication of "Characteristics of road vehicles", refers to the number of road vehicles circulating in the Republic of Albania registered with the status "active" or "temporarily deregistered" in the Albanian National Register of road vehicles. In the year 2022, the total number of road vehicles with "Active" status and "Temporarily deregistered" status is 796,438 vehicles, from 740,669 vehicles registered till 2021, increasing by 7.5 %.

Road vehicles by type

Road vehicles according to the type that occupy the largest percentage of the total number of road vehicles are "Passenger cars" (80.3%), "Mixed transport vehicles" (6.5%) and "Motor vehicles" (5.4%), (Tab.1).

In 2022, the number of passenger cars per 1,000 inhabitants is 232. In 2021, this indicator was 212 passenger cars per 1,000 inhabitants.

Tab. 1: Road vehicles by type, 2021-2022

Type	2021	2022	2022/2021 %
Total	740,669	796,438	7.5
Passenger cars	593,280	639,379	7.8
Mixed transport vehicles	49,596	51,674	4.2
Motor vehicles	37,931	42,732	12.7
Truck	14,404	14,957	3.8
Buses	7,867	8,211	4.4
Special transport vehicles	7,411	7,926	6.9
Cyclomotor	6,436	6,354	-1.3
Semi-trailer	6,759	7,143	5.7
Towing vehicles	5,138	5,530	7.6
Special purpose vehicles	3,977	4,291	7.9
Agricultural vehicles	1,673	1,549	-7.4
Trailer for freight transport	1,659	1,776	7.1
Technological vehicles	819	788	-3.8
Three-wheeler	808	807	-0.1
Trailer for special transport	681	772	13.4
Other Category	2,230	2,549	14.3

Source: General Directorate of Road Transport Services, calculations by INSTAT

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During 2022, the number of passenger cars increased by 7.8%, vehicles for special use by 7.9% and vehicles for special transport increased by 6.9% compared to 2021.

Road vehicles by prefecture

In 2022, the number of passenger cars per 1,000 inhabitants in Durrës prefecture is 301, followed by Lezhë prefecture with 287 passenger cars per 1,000 inhabitants. The prefecture with the smallest number of passenger cars per 1,000 inhabitants is the prefecture of Korçë with 165 passenger cars per 1,000 inhabitants.

Tab.2 Road vehicles by prefecture, 2022

Prefecture	Road vehicles	Passenger cars	Bus	Truck
Albania	796,438	639,379	8,211	14,957
Berat	32,489	23,676	385	784
Dibër	21,967	18,697	292	574
Durrës	106,330	87,326	1,075	1,773
Elbasan	54,960	43,750	616	1,126
Fier	74,294	58,101	689	1,510
Gjirokastër	17,655	13,996	214	545
Korçë	39,863	31,763	426	959
Kukës	18,517	15,995	181	484
Lezhë	39,606	32,809	377	810
Shkodër	57,339	45,636	559	978
Tiranë	277,082	222,871	2,756	4,382
Vlorë	56,336	44,759	641	1,032

Source: General Directorate of Road Transport Services, calculations by INSTAT

Road vehicles by gearbox

"Manual" gearbox cars occupy the largest share of total vehicles resulting in "active" or "temporarily deregistered" status accounting 60.8% in 2022.

Tab.3 Road vehicles by gearbox, 2022

Type of gearbox	Passenger cars	Bus	Truck
Manual	388,516	6,702	13,998
Automatic	244,332	1,368	752
Semi-Automatic	5,878	123	117
Unspecified	653	18	90

Source: General Directorate of Road Transport Services, calculations by INSTAT

Road vehicles by year of production

The number of vehicles registered in 2022, with year of production "2011-2022" increased by 27.1 %, the group "2000-2010" increased by 7.7 %, while the group of vehicles with year "before 2000" decreased by 0.8 %.

Tab. 4 Passenger cars by year of production, 2021-2022

Year of production	2021	2022	2022/2021 %
<2000	137,250	136,095	-0.8
2000-2010	393,477	423,783	7.7
2011-2022	62,553	79,501	27.1

Source: General Directorate of Road Transport Services, calculations by INSTAT

At a more detailed level, in 2022, vehicles aged 11-20 years constitute 51.1 % of the total number of vehicles with "active" or "temporarily deregistered" status.

Tab. 5 Road vehicles by age, 2022

Age	Passenger cars	Bus	Truck
0-2 years	4,998	23	71
3-5 years	10,674	42	142
6-10 years	35,371	254	351
11-20 years	326,638	3,291	3,132
> 20 years	261,698	4,601	11,261

Source: General Directorate of Road Transport Services, calculations by INSTAT

Road vehicles by brand

Among the main brands of passenger cars circulating in the country, dominate the Mercedes Benz brand (18.2 %), followed by Volkswagen (18.0 %) and Daimler Chrysler (10.5 %).

Tab.6 Road vehicles by brand, 2022

Brand	Passenger cars	Brand	Bus	Brand	Truck
MERCEDES BENZ	116,204	MERCEDES BENZ	3,587	MERCEDES BENZ	7,614
VOLKSWAGEN	115,064	DAIMLER CHRYSLER	665	MAN	1,543
DAIMLER CHRYSLER	66,859	FORD	456	DAIMLER CHRYSLER	986
FORD	61,075	IVECO FIAT	411	IVECO FIAT	835
OPEL	33,078	MAN	320	IVECO MAGIRUS	718
AUDI	36,868	RENAULT	252	VOLVO	605
FIAT	24,626	SETRA	237	DAIMLER BENZ	509
TOYOTA	29,696	VOLKSWAGEN	223	SCANIA	336
BMW	21,631	IVECO	261	DAF	310
RENAULT	16,556	SCANIA	208	RENAULT	292
OTHER BRANDS	117,722	OTHER BRANDS	1,591	OTHER BRANDS	1,209

Source: General Directorate of Road Transport Services, calculations by INSTAT

In 2022, the "Mercedes Benz" brand is registered as the most used brand car registered with the year of production before 2000 and the years 2011-2022. The Volkswagen brand is registered as the most widespread car brand with a production year of 2000-2010.

Tab.7 Passenger cars by brand and year of production, 2022

<2000	%	2000-2010	%	2011-2022	%
MERCEDES BENZ	35.4	VOLKSWAGEN	18.5	MERCEDES BENZ	21.2
VOLKSWAGEN	17.6	DAIMLER CHRYSLER	14.3	VOLKSWAGEN	16.3
FORD	7.4	MERCEDES BENZ	12.1	AUDI	10.0
OPEL	5.6	FORD	10.9	FORD	6.0
DAIMLER CHRYSLER	4.4	OPEL	5.5	HYUNDAI	5.9
AUDI	4.0	AUDI	5.5	SKODA	4.3
FIAT	3.7	TOYOTA	5.9	BMW	5.1
RENAULT	3.0	FIAT	4.0	LAND ROVER	4.3
DAIMLER BENZ	2.8	BMW	3.4	TOYOTA	3.3
BMW	2.3	RENAULT	2.7	FIAT	3.0
OTHER BRANDS	13.8	OTHER BRANDS	17.1	OTHER BRANDS	20.5

Source: General Directorate of Road Transport Services, calculations by INSTAT

Passenger cars by energy

The largest number of vehicles circulating in our country in 2022, use the fuel "Diesel" occupying 73.7 % from 73.6 % in 2021, followed by vehicles that use the fuel "Petrol" with 16,7 % to the total number of vehicles from 17.3 % that this group occupied in 2021.

The number of vehicles that use the fuel "Diesel" in 2022, increased by 7.8 % compared to 2021. The number of vehicles that use the fuel "Petrol" increased by 4.5 % compared to 2021.

Tab. 8 Passenger cars by energy, 2021 - 2022

Indicator	Passenger cars 2021	Passenger cars 2022	2022/2021%
Diesel	436,756	470,930	7.8
Petrol	102,432	107,010	4.5
Petrol + Gas	51,776	57,569	11.2
Petrol + Electric	901	1,236	37.2
Electric	624	1,245	99.5
Gas	339	396	16.8
Diesel + Electric	246	439	78.5
Other hybrid	206	554	168.9

Source: General Directorate of Road Transport Services, calculations by INSTAT

The number of registered buses in 2022, which have used the fuel "Diesel" increased by 4.2 % compared to 2021.

Tab.9 Buses by source of energy, 2021 - 2022

Source of energy	Buses 2021	Buses 2022	2022/2021%
Total buses	7,867	8,211	4.4
Diesel	7,812	8,144	4.2
Petrol	6	7	16.7
Petrol + Gas	16	18	12.5
Diesel + Electric	22	31	40.9
Gas	11	11	0.0

Source: General Directorate of Road Transport Services, calculations by INSTAT

Passenger cars by engine size

The number of vehicles registered in 2022 according to engine volume >3000 increased by 10.4 %, with engine volume <= 2000 cc has increased by 7.9 % and with engine volume 2001-3000 has increased by 7.4 % compared to the same period year 2021.

Tab.10 Passenger cars by engine size, 2021 – 2022

Engine size	2021	2022	2022/2021 %
<=2000	398,785	430,103	7.9
2001-3000	179,297	192,496	7.4
>3000	15,198	16,780	10.4

Source: General Directorate of Road Transport Services, calculations by INSTAT

The most widespread volume of cars with "Diesel" is 1400cc-1999cc accounting for 53.6 % of the total with diesel fuel. The most widespread volume of cars with "Gasoline" is below 1399 cc, accounting for 60.7 % of all cars with gasoline fuel.

Tab.11 Passenger cars by energy source and engine size, 2022

Engine size	Passenger cars using Diesel	Passenger cars using Petrol
Total Passenger cars	470,930	107,010
>1399cc	33,888	64,907
1400cc-1999cc	252,559	29,993
>2000cc	184,483	12,110

Source: General Directorate of Road Transport Services, calculations by INSTAT

Methodology

The purpose of this publication is to present indicators on the characteristics of road transport vehicles at the most detailed level such as: road vehicles by type, cars by brand, cars by year of production, cars by fuel and cars by engine size.

In the detailing of vehicles by fuel, in the group "other hybrids" are included the categories "Gasoline + Gas + Electric", "Gasoline + Electric + Hybrid", "Oil + Gas", "Oil + Electric + Hybrid".

Definitions

Mixed transport vehicles (ATP) - includes vehicles that have a total full load weight not exceeding 3.5 tons, or 4.5 tones when there is battery traction; are intended for the transport of people and goods with a maximum capacity of nine seats, including the driver's seat.

Special purpose vehicles (APV) - vehicles permanently equipped with special mechanisms and generally intended for the transport of these mechanisms; on these vehicles is allowed the transport of personnel and materials related to the operational cycle of these mechanisms, as well as the transport of people and goods related to the destination of use of these mechanisms.

Special transport vehicles (ATV) - means of transport intended for the transport of certain goods or people under special conditions and is characterized by the equipment jointly, with special mechanisms that serve this purpose.

Special road vehicles (MRV) - special road vehicle for their special characteristics defined as such in the Road Code.

CC- the unit of measurement of the motor volume of road vehicles expressed in centimeters in cubic.

Passenger Car - motor vehicle of road transport intended for passenger transport, in which the number of seats (including the driver) does not exceed the number 9.

Bus - motor vehicle of road transport intended for passenger transport with the number of seats (including driver's seat) with more than 9 seats.

Cyclomotor - A motor vehicle, with two, three or four wheels.

Semi-trailer - A motor vehicle intended for the transport of passengers and goods.

Agricultural machine - A motor vehicle with wheels or a chain intended for use in agriculture and forestry, for the transport of agricultural goods.

Motorcycles - Three-wheeled vehicles, intended for the transport of goods. They can have up to two seats for the people involved in the transport, including the driver.

Towing - Vehicle intended for towing trailers or semi-trailers only.

Passenger cars per 1000 inhabitants - This indicator is calculated based on the stock of vehicles on December 31 and the number of the population on January 1 of the following year.