



Real-world CO2 emissions from new cars and vans, reporting year 2024

The monitoring of the real-world emissions from new cars and vans is based on Article 12 of Regulation (EU) 2019/631. It aims to ensure that the CO emissions of vehicles determined during laboratory testing remain representative of real-world emissions of vehicles in circulation.

Real-world for new cars and vans is public available both as raw and aggregated data in csv-format.

Simple

Identification info

Date (Creation)	2025-08-15
Date (Publication)	2025-08-19
Edition	04.00
Citation identifier	eea_t_real-world-co2-emission_p_2024_v01_r00

Identifier

Code	10.2909/ad652e2b-c4a1-4344-a536-dee5a9fae52d
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Point of contact	Organisation	Individual	Electronic mail address	Website	Role
	European Environment Agency			sdi@eea.europa.eu	https://sdi.eea.europa.eu/
European Environment Agency			sdi@eea.europa.eu		Custodian

Topic category	<ul style="list-style-type: none"> Environment Transportation
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Extent

Temporal extent

Time period	2021-01-01 2023-12-31
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Maintenance and update frequency	Annually
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GEMET	<ul style="list-style-type: none"> climate environmental policy transport
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Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> EU27 (from 2020) Norway Iceland
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Reporting obligations	<ul style="list-style-type: none"> Real-world fuel consumption of cars and vans: Manufacturers
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EEA topics	<ul style="list-style-type: none"> Air pollution Climate mitigation
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Resource constraints

Use constraints	Other restrictions
Other constraints	License CC-BY 4.0 (https://creativecommons.org/licenses/by/4.0/). Copyright holder: European Environment Agency (EEA).

Associated resource

Association Type	Cross reference
Metadata Reference	<ul style="list-style-type: none">• Real-world CO2 emissions from new cars and vans, reporting year 2022

Associated resource

Association Type	Cross reference
Metadata Reference	<ul style="list-style-type: none">• Real-world CO2 emissions from new cars and vans, reporting year 2023

Language	English
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Content Information

Feature catalogue citation	<ul style="list-style-type: none">• cb4c20c2-b985-4c09-8a60-dd7293a67787
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Distribution Information

Distribution format	<ul style="list-style-type: none">• ascii (.csv, .txt, .sql)
Units of distribution	km
OnLine resource	https://sdi.eea.europa.eu/webdav/datastore/public/eea_t_real-world-co2-emission_p_2024_v01_r00/
OnLine resource	Direct download
OnLine resource	Collecting real-world data on the CO2 emissions and fuel consumption of new cars and vans Article
OnLine resource	Real world emissions for cars and vans - statistical metadata (2024)
Units of distribution	litres
Units of distribution	kWh
OnLine resource	

Resource lineage

Statement	The procedures for collecting and reporting the real-world data and for comparing it with the corresponding laboratory 'WLTP data' are set out in Regulation (EU) 2021/392. The data shows the results of this monitoring exercise, based on the data reported by manufacturers in 2024 and covering new vehicles first registered between 2021-2023. They show the average laboratory and real-world CO emissions and fuel consumption as well as the calculated gap between those two values per manufacturer and fuel type.
Hierarchy level	Dataset

Metadata

Metadata identifier	ad652e2b-c4a1-4344-a536-dee5a9fae52d		
Language	English		
Character encoding	UTF8		
Contact	Organisation	Individual	Electronic mail address Website Role
	European Environment Agency		sdi@eea.europa.eu Point of contact

Type of resource

Resource type	Non geographic dataset
Name	Tabular dataset
Metadata linkage	https://sdi.eea.europa.eu/catalogue/srv/api/records/ad652e2b-c4a1-4344-a536-dee5a9fae52d
Date info (Creation)	2025-08-29T09:37:53.739925Z
Date info (Revision)	2025-10-09T11:08:35.456696Z

Metadata standard

Title	ISO 19115/19139
Edition	1.0

Overviews

OBFCM data source	ID	OBFCM ReportingPeriod	Registration Year	Total fuel consumed (lifetime) (l)	Total distance travelled (lifetime) (km)	Total distance travelled in charge depleting operation with engine off (lifetime) (km)	Total distance travelled in charge depleting operation with engine running (lifetime) (km)	Total distance travelled in driver-selectable charge increasing operation (lifetime) (km)	Total fuel consumed in charge depleting operation (lifetime) (l)	Total fuel consumed in driver-selectable charge increasing operation (lifetime) (l)	Total grid energy into the battery (lifetime) (kWh)	Used in calculation
OEM	55201566	2021	2021	645.57	8077.50	707.60	2561.50	0.00	248.34	0.00	102.40	1
OEM	46868086	2021	2021	1363.64	25065.70	10457.40	7449.20	0.00	720.74	0.00	3098.30	1
OEM	55201567	2021	2021	121.03	3585.70	2371.10	1064.80	0.00	108.56	0.00	850.70	1
OEM	55201568	2021	2021	311.34	6770.10	3605.60	1466.60	0.00	160.05	0.00	1216.70	1
OEM	55201574	2021	2021	690.69	10727.70	3226.10	1079.80	0.00	125.23	0.00	1155.00	1
OEM	56905353	2021	2021	703.07	10670.40	3183.10	2400.00	0.00	250.00	0.00	934.90	1
OEM	55201575	2021	2021	1812.90	28690.10	10522.50	12880.40	0.00	1315.02	0.00	3472.60	1
OEM	46757539	2021	2021	1487.99	26092.60	10183.00	1408.20	29.10	148.40	4.89	3288.40	1
OEM	46794937	2021	2021	2036.70	20643.90	4110.60	6424.20	0.10	757.75	0.00	1623.00	1
OEM	46787477	2021	2021	626.45	9492.20	1569.10	284.30	6.10	32.40	1.16	346.00	1
OEM	50102344	2021	2021	3.88	18.30	7.30	10.70	0.00	3.81	0.00	0.00	0
OEM	50102345	2021	2021	2.69	17.10	9.00	7.70	0.00	2.61	0.00	0.00	0
OEM	46794938	2021	2021	334.56	5462.70	1668.20	894.00	8.00	94.51	1.05	582.00	1
OEM	56415163	2021	2021	1350.57	29087.80	11937.60	2922.40	23.40	253.71	2.52	3584.90	1
OEM	46889542	2021	2021	511.90	13973.60	7925.00	843.70	11.30	93.50	1.43	2655.40	1
OEM	46787478	2021	2021	418.10	6946.50	2489.20	411.20	292.20	46.40	30.21	743.30	1
OEM	56887115	2021	2021	3.94	14.70	1.60	12.70	0.00	3.85	0.00	0.00	0
OEM	56415164	2021	2021	1297.71	25804.10	9113.70	1094.60	0.00	95.65	0.00	3065.70	1
OEM	46712208	2021	2021	387.18	14148.30	8954.00	607.40	0.20	60.88	0.01	2693.10	1
OEM	55201844	2021	2021	2094.29	24774.90	5381.80	8324.00	61.10	863.60	12.64	1877.80	1
OEM	61166843	2021	2021	732.33	15125.40	5447.10	460.30	0.20	45.54	0.02	1804.80	1
OEM	55201845	2021	2021	170.55	2969.10	1298.00	363.00	0.00	46.79	0.00	414.70	1
OEM	55201846	2021	2021	170.00	1767.90	99.40	424.70	0.00	49.90	0.00	3.00	1
OEM	53455984	2021	2021	869.29	11426.00	3589.70	705.10	103.80	83.91	15.91	1365.00	1
OEM	55201847	2021	2021	1829.74	24932.40	6161.10	9218.80	27.70	929.90	3.06	1916.90	1
OEM	55201848	2021	2021	273.66	9160.70	6064.20	152.10	0.00	20.30	0.00	2262.40	1
OEM	55201849	2021	2021	1179.31	12047.20	1189.30	977.50	264.60	122.82	49.75	341.10	1
OEM	55201851	2021	2021	531.64	5979.10	365.00	1857.50	51.10	185.91	7.07	46.50	1
OEM	55201854	2021	2021	1152.51	15063.50	1831.10	444.20	2.90	45.61	0.29	539.90	1
OEM	50102346	2021	2021	74.15	1240.40	470.80	87.30	0.00	11.98	0.00	143.30	1
OEM	45270791	2021	2021	1056.40	33648.90	20233.10	2866.40	0.10	262.56	0.00	6671.60	1
OEM	55201856	2021	2021	3.82	16.80	0.10	15.80	0.00	3.64	0.00	0.00	0
OEM	45270792	2021	2021	367.08	13856.80	9486.40	974.70	0.50	92.79	0.13	2957.30	1
OEM	45270793	2021	2021	287.28	3370.30	393.50	141.70	36.30	18.84	5.16	41.60	1
OEM	55201858	2021	2021	2.62	8.20	0.00	7.90	0.00	2.54	0.00	1.80	0
OEM	45270795	2021	2021	558.63	14954.60	8478.10	884.50	0.00	90.12	0.00	2949.80	1
OEM	74493	2021	2021	387.64	7902.20	4072.50	1073.10	3.00	122.55	0.36	1452.90	1
OEM	286527	2021	2021	1255.37	15382.00	3083.20	2594.60	550.00	295.96	68.15	970.60	1
OEM	55201861	2021	2021	913.24	9943.10	925.20	349.50	130.70	44.33	22.29	318.30	1
OEM	331373	2021	2021	493.92	13212.20	7771.30	985.30	5.40	97.77	0.57	2902.70	1
OEM	44226	2021	2021	545.63	6823.30	1272.90	615.60	40.00	65.52	5.65	350.40	1
OEM	55201862	2021	2021	2.97	16.60	5.60	9.50	0.00	2.56	0.00	0.00	0
OEM	667604	2021	2021	749.16	11811.40	3985.20	1512.00	12.40	162.53	3.02	1330.10	1
OEM	771514	2021	2021	2.49	13.80	9.20	4.20	0.00	2.34	0.00	10.60	0
OEM	50102348	2021	2021	961.48	10443.50	2387.10	1903.90	16.40	240.58	2.93	802.90	1

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