



Transport Energy Air pollution Model (TEAM): Methodology Guide – Appendices

Dr Christian Brand (Environmental Change Institute, University of Oxford)

Prof Jillian Anable, Dr Ian Philips (Institute for Transport Studies, University of Leeds)

Dr Craig Morton (Loughborough University)

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Environmental *Change* Institute



UNIVERSITY OF LEEDS
Institute for Transport Studies

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Appendix A: Vehicle Stock Model Variables and Data Tables

A.1 VSM input and output variables

Table A1: Inputs from exogenous scenarios (context variables)

<i>Variable</i>	<i>Disaggregation</i>	<i>Sub Modules where variable is used</i>
GDP/capita (or base year GDP plus annual GDP growth)	Scenario, Year	Car Ownership Module
Average household disposable income	Scenario, Year	Car Ownership Module New Vehicle Choice Module
Household size distribution	Scenario, Year	Car Ownership Module New Vehicle Choice Module
Population age distribution	Scenario, Year	Car Ownership Module
Maximum Level of Car Ownership	Scenario, Car Ownership Level for the Base Year	Car Ownership Module
Population distribution	Year, Location	Car Ownership Module
Car ownership elasticity [§]	Scenario	Car Ownership Module
Discount/interest rate	Scenario	New Vehicle Choice Module
Fuel Prices (before tax)	Scenario, Year, Fuel	New Vehicle Choice Module
Vehicle Purchase Prices (before tax)	Scenario, Year, Vehicle type, Size, Technology	New Vehicle Choice Module
Household location*	Scenario, Year, Urban/Non-urban	Car Ownership Module New Vehicle Choice Module
Characteristic vehicle service life*	Scenario, Vehicle Type, Technology	New Vehicle Choice Module Vehicle Scrappage Module
Available technologies*	Scenario, Year	Vehicle Scrappage Module New Vehicle Choice Module

Notes: * Could be affected by user, as a policy variable. § Needs to be calibrated

Table A2: Inputs from other TEAM models

<i>Variable</i>	<i>Disaggregation</i>	<i>Sub modules where variable is used</i>
Annual Vehicle Kilometres (from TDM)	Scenario, Policy, Vehicle Type, Urban/Non-urban	New Vehicle Choice Module Vehicle Kilometre Disaggregation Module
Average Trip Lengths	Scenario, Policy	Aircraft Population Module

Annual Transport Demand (from TDM) in pass-km and tonne-km	Scenario, Policy, Vehicle Type, Urban/Non-urban	Car Ownership Module Other Vehicle Ownership Modules
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Table A3: Main outputs to other TEAM models

<i>Variable</i>	<i>Disaggregation</i>	<i>Receiving Model</i>
Number of Vehicles	Scenario, Policy, Year, Vehicle Type, Size, Technology, Vehicle Category (new, total, scrapped)	Life Cycle and Environmental Impacts Model
Annual Vehicle Kilometres	Scenario, Policy, Year, Vehicle Type, Size, Technology, Journey Segment Type	Direct Energy and Emissions Model

A.2 Vehicle technology parameters

One of the key data sets containing technology information is the database table *Technology*. This includes information about:

- Mode, passenger/freight, vehicle type, size, fuel type, engine technology and hybridisation, and vintage (EURO 6, 7, etc signify future vintages not necessarily any future EU emissions standards!);
- The first year of technology availability (e.g. 2015 for EURO 6 gasoline cars) and the final year of technology availability (e.g. 2014 for EURO 5 gasoline cars), which is used to simulate technology innovation and ‘vintaging’;
- Specific fuel consumption (litres of fuel per vehicle-km, kWh per vehicle-km), calculated using the DEEM during calibration phase and only used for calculating estimated annual fuel costs which underpin price factors in the technology choice module. Projected SFC figures are modelled dynamically using speed-emissions curves;
- Average purchase price (before tax) – this is a showroom price not an engineering cost;

Another key technology data set for all modes *except cars, vans and trucks* is the vehicle technology choice table called *Scen_TechChoice*, which contains:

- T_{entry} ;
- $T_{maturity}$, and;
- the calibrated (for historic technologies) and projected (for simulating *future* technologies) performance and preference factor P .

The *default* values for the 1246 vehicle technologies included in TEAM v2 are provided in Table A4.

As the TEAM employs an open modelling framework the user can easily add further vehicle technologies or whole categories and also change the characteristics for the default categories.

Table A4: Technology parameters for road, rail, shipping and air vehicles – passenger and freight transport

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - MOTO - Average moto - Gasoline - 2-Stroke Standard 1	1980	2000	6.57		5000	594001	1980	1981
Road - P - MOTO - Average moto - Gasoline - 2-Stroke Standard 2	2000	2010	5.65		5000	594001	2000	2001
Road - P - MOTO - Average moto - Gasoline - 2-Stroke Economic	2010		4.56		5000	594001	2010	2011
Road - P - MOTO - Average moto - Electricity - 2-Stroke Standard 1	1995	2010	9.51		7000	0.1	1995	2000
Road - P - MOTO - Average moto - Electricity - 2-Stroke Standard 2	2010	2020	8.37		6000	5940	2010	2015
Road - P - MOTO - Average moto - Electricity - 2-Stroke Economic	2020		7.18		5500	5940	2020	2025
Road - P - MOTO - Average moto - Gaseous Hydrogen - Fuel Cell	2015	2030	23.99		7000	0.1	2015	2020
Road - P - MOTO - Average moto - Gaseous Hydrogen - Fuel Cell	2030		19.23		6000	0.1	2030	2035
Road - P - CAR - Small - Gasoline - Conventional (pre-EURO)	1980	1991	8.36		10000	12561	1980	1981
Road - P - CAR - Small - Gasoline - Euro 1 (1992-96)	1992	1995	7.65		10000	12561	1992	1993
Road - P - CAR - Small - Gasoline - Euro 2 (1996-2001)	1996	1999	8.12		10000	12561	1996	1997
Road - P - CAR - Small - Gasoline - Euro 3 (2001-05)	2000	2004	8.15		10000	12561	2000	2001
Road - P - CAR - Small - Gasoline - Euro 4 (2005-09)	2005	2008	7.75		10000	12561	2005	2006
Road - P - CAR - Small - Gasoline - Euro 5 (2009-14)	2009	2014	7.31		10000	12561	2009	2010
Road - P - CAR - Small - Gasoline - Euro 6 (2015-19)	2015	2019	6.71		10000	12561	2015	2016
Road - P - CAR - Small - Gasoline - Euro 7 (2020-24)	2020	2024	6.23		10000	12561	2020	2021
Road - P - CAR - Small - Gasoline - Euro 8 (2025-29)	2025	2029	5.77		10000	12561	2025	2026
Road - P - CAR - Small - Gasoline - Euro 9 (2030-34)	2030	2034	5.35		10000	12561	2030	2031
Road - P - CAR - Small - Gasoline - Euro 10 (2035-39)	2035	2039	4.96		10000	12561	2035	2036
Road - P - CAR - Small - Gasoline - Euro 11 (2040-44)	2040	2044	4.60		10000	12561	2040	2041
Road - P - CAR - Small - Gasoline - Euro 12 (2045-50)	2045		4.27		10000	12561	2045	2046
Road - P - CAR - Small - Gasoline - Euro 5 (2009-14) - HEV	2009	2014	4.34		16500	20	2009	2014
Road - P - CAR - Small - Gasoline - Euro 6 (2015-19) - HEV	2015	2019	3.99		13500	800	2015	2019

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - CAR - Small - Gasoline - Euro 7 (2020-24) - HEV	2020	2024	3.70		12000	2400	2020	2024
Road - P - CAR - Small - Gasoline - Euro 8 (2025-29) - HEV	2025	2029	3.43		12000	2400	2025	2026
Road - P - CAR - Small - Gasoline - Euro 9 (2030-34) - HEV	2030	2034	3.18		12000	2400	2030	2031
Road - P - CAR - Small - Gasoline - Euro 10 (2035-39) - HEV	2035	2039	2.95		12000	2400	2035	2036
Road - P - CAR - Small - Gasoline - Euro 11 (2040-44) - HEV	2040	2044	2.73		12000	2400	2040	2041
Road - P - CAR - Small - Gasoline - Euro 12 (2045-50) - HEV	2045		2.54		12000	2400	2045	2046
Road - P - CAR - Small - Gasoline - Euro 5 (2009-14) - PHEV	2009	2014	3.48	11.10	20000	0	2009	2014
Road - P - CAR - Small - Gasoline - Euro 6 (2015-19) - PHEV	2015	2019	3.24	10.14	17500	380	2015	2019
Road - P - CAR - Small - Gasoline - Euro 7 (2020-24) - PHEV	2020	2024	3.00	9.40	15000	760	2020	2024
Road - P - CAR - Small - Gasoline - Euro 8 (2025-29) - PHEV	2025	2029	2.79	8.72	12500	1256	2025	2026
Road - P - CAR - Small - Gasoline - Euro 9 (2030-34) - PHEV	2030	2034	2.58	8.08	12000	1256	2030	2031
Road - P - CAR - Small - Gasoline - Euro 10 (2035-39) - PHEV	2035	2039	2.40	7.49	12000	1256	2035	2036
Road - P - CAR - Small - Gasoline - Euro 11 (2040-44) - PHEV	2040	2044	2.22	6.95	12000	1256	2040	2041
Road - P - CAR - Small - Gasoline - Euro 12 (2045-50) - PHEV	2045		2.09	6.44	12000	1256	2045	2046
Road - P - CAR - Small - Diesel - Euro 3 (2001-05)	2000	2004	5.58		12000	11013	2000	2004
Road - P - CAR - Small - Diesel - Euro 4 (2005-09)	2005	2008	5.21		11300	11013	2005	2006
Road - P - CAR - Small - Diesel - Euro 5 (2009-14)	2009	2014	4.91		11000	11013	2009	2010
Road - P - CAR - Small - Diesel - Euro 6 (2015-19)	2015	2019	4.51		10800	11013	2015	2016
Road - P - CAR - Small - Diesel - Euro 7 (2020-24)	2020	2024	4.19		10500	11013	2020	2021
Road - P - CAR - Small - Diesel - Euro 8 (2025-29)	2025	2029	3.88		10500	11013	2025	2026
Road - P - CAR - Small - Diesel - Euro 9 (2030-34)	2030	2034	3.60		10500	11013	2030	2031
Road - P - CAR - Small - Diesel - Euro 10 (2035-39)	2035	2039	3.34		10500	11013	2035	2036
Road - P - CAR - Small - Diesel - Euro 11 (2040-44)	2040	2044	3.09		10500	11013	2040	2041
Road - P - CAR - Small - Diesel - Euro 12 (2045-50)	2045		2.87		10500	11013	2045	2046
Road - P - CAR - Small - Liquefied Petroleum Gas - Euro 4 (2005-09)	2005	2008	9.55		13000	0	2005	2006
Road - P - CAR - Small - Liquefied Petroleum Gas - Euro 5 (2009-14)	2009	2014	8.96		13000	0	2009	2010

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - CAR - Small - Liquefied Petroleum Gas - Euro 6 (2015-19)	2015	2019	8.19		12500	0	2015	2016
Road - P - CAR - Small - Liquefied Petroleum Gas - Euro 7 (2020-24)	2020	2024	7.59		12500	0	2020	2021
Road - P - CAR - Small - Liquefied Petroleum Gas - Euro 8 (2025-29)	2025	2029	7.04		12500	0	2025	2026
Road - P - CAR - Small - Liquefied Petroleum Gas - Euro 9 (2030-34)	2030	2034	6.53		12500	0	2030	2031
Road - P - CAR - Small - Liquefied Petroleum Gas - Euro 10 (2035-39)	2035	2039	6.05		12500	0	2035	2036
Road - P - CAR - Small - Liquefied Petroleum Gas - Euro 11 (2040-44)	2040	2044	5.61		12500	0	2040	2041
Road - P - CAR - Small - Liquefied Petroleum Gas - Euro 12 (2045-50)	2045		5.20		12500	0	2045	2046
Road - P - CAR - Small - Compressed Natural Gas - Euro 4 (2005-09)	2005	2008	29.04		15000	0	2005	2008
Road - P - CAR - Small - Compressed Natural Gas - Euro 5 (2009-14)	2009	2014	27.26		14000	0	2009	2014
Road - P - CAR - Small - Compressed Natural Gas - Euro 6 (2015-19)	2015	2019	24.90		13500	0	2015	2018
Road - P - CAR - Small - Compressed Natural Gas - Euro 7 (2020-24)	2020	2024	23.08		13000	0	2020	2022
Road - P - CAR - Small - Compressed Natural Gas - Euro 8 (2025-29)	2025	2029	21.40		13000	0	2025	2027
Road - P - CAR - Small - Compressed Natural Gas - Euro 9 (2030-34)	2030	2034	19.85		13000	0	2030	2031
Road - P - CAR - Small - Compressed Natural Gas - Euro 10 (2035-39)	2035	2039	18.40		13000	0	2035	2036
Road - P - CAR - Small - Compressed Natural Gas - Euro 11 (2040-44)	2040	2044	17.06		13000	0	2040	2041
Road - P - CAR - Small - Compressed Natural Gas - Euro 12 (2045-50)	2045		15.82		13000	0	2045	2046
Road - P - CAR - Small - Electricity - Euro 1 (1992-96)	1992	1995	12.68		35000	3	1990	2000
Road - P - CAR - Small - Electricity - Euro 2 (1996-2001)	1996	1999	12.69		30000	6.5	1995	2005
Road - P - CAR - Small - Electricity - Euro 3 (2001-05)	2000	2004	12.71		27500	13.4	2000	2010
Road - P - CAR - Small - Electricity - Euro 4 (2005-09)	2005	2008	11.79		25000	26.7	2005	2015
Road - P - CAR - Small - Electricity - Euro 5 (2009-14)	2009	2014	11.10		23000	2483	2009	2015
Road - P - CAR - Small - Electricity - Euro 6 (2015-19)	2015	2019	10.14		20000	4966	2015	2020
Road - P - CAR - Small - Electricity - Euro 7 (2020-24)	2020	2024	9.40		16000	4966	2020	2021
Road - P - CAR - Small - Electricity - Euro 8 (2025-29)	2025	2029	8.72		14000	4966	2025	2026
Road - P - CAR - Small - Electricity - Euro 9 (2030-34)	2030	2034	8.08		12000	4966	2030	2031
Road - P - CAR - Small - Electricity - Euro 10 (2035-39)	2035	2039	7.49		12000	4966	2035	2036

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - CAR - Small - Electricity - Euro 11 (2040-44)	2040	2044	6.95		12000	4966	2040	2041
Road - P - CAR - Small - Electricity - Euro 12 (2045-50)	2045		6.44		12000	4966	2045	2046
Road - P - CAR - Small - Gaseous Hydrogen - Fuel Cell	2020	2029	26.08		40000	0	2020	2025
Road - P - CAR - Small - Gaseous Hydrogen - Fuel Cell	2030		20.25		30000	0	2030	2035
Road - P - CAR - Medium - Gasoline - Conventional (pre-EURO)	1980	1991	9.42		15000	10587	1980	1981
Road - P - CAR - Medium - Gasoline - Euro 1 (1992-96)	1992	1995	8.87		15000	10587	1992	1993
Road - P - CAR - Medium - Gasoline - Euro 2 (1996-2001)	1996	1999	9.45		15000	10587	1996	1997
Road - P - CAR - Medium - Gasoline - Euro 3 (2001-05)	2000	2004	9.49		15000	10587	2000	2001
Road - P - CAR - Medium - Gasoline - Euro 4 (2005-09)	2005	2008	8.86		15000	10587	2005	2006
Road - P - CAR - Medium - Gasoline - Euro 5 (2009-14)	2009	2014	8.35		15000	10587	2009	2010
Road - P - CAR - Medium - Gasoline - Euro 6 (2015-19)	2015	2019	7.67		15000	10587	2015	2016
Road - P - CAR - Medium - Gasoline - Euro 7 (2020-24)	2020	2024	7.12		15000	10587	2020	2021
Road - P - CAR - Medium - Gasoline - Euro 8 (2025-29)	2025	2029	6.60		15000	10587	2025	2026
Road - P - CAR - Medium - Gasoline - Euro 9 (2030-34)	2030	2034	6.12		15000	10587	2030	2031
Road - P - CAR - Medium - Gasoline - Euro 10 (2035-39)	2035	2039	5.67		15000	10587	2035	2036
Road - P - CAR - Medium - Gasoline - Euro 11 (2040-44)	2040	2044	5.26		15000	10587	2040	2041
Road - P - CAR - Medium - Gasoline - Euro 12 (2045-50)	2045		4.88		15000	10587	2045	2046
Road - P - CAR - Medium - Gasoline - Euro 4 (2005-09) - HEV	2005	2008	5.36		25000	1.5	2005	2006
Road - P - CAR - Medium - Gasoline - Euro 5 (2009-14) - HEV	2009	2014	5.06		22000	321	2009	2010
Road - P - CAR - Medium - Gasoline - Euro 6 (2015-19) - HEV	2015	2019	4.64		20000	642	2015	2016
Road - P - CAR - Medium - Gasoline - Euro 7 (2020-24) - HEV	2020	2024	4.31		18000	1284	2020	2021
Road - P - CAR - Medium - Gasoline - Euro 8 (2025-29) - HEV	2025	2029	4.00		18000	2568	2025	2026
Road - P - CAR - Medium - Gasoline - Euro 9 (2030-34) - HEV	2030	2034	3.70		18000	2568	2030	2031
Road - P - CAR - Medium - Gasoline - Euro 10 (2035-39) - HEV	2035	2039	3.43		18000	2568	2035	2036
Road - P - CAR - Medium - Gasoline - Euro 11 (2040-44) - HEV	2040	2044	3.18		18000	2568	2040	2041
Road - P - CAR - Medium - Gasoline - Euro 12 (2045-50) - HEV	2045		2.95		18000	2568	2045	2046

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - CAR - Medium - Gasoline - Euro 5 (2009-14) - PHEV	2009	2014	4.01	22.43	25000	190	2009	2014
Road - P - CAR - Medium - Gasoline - Euro 6 (2015-19) - PHEV	2015	2019	3.74	20.49	22500	380	2015	2019
Road - P - CAR - Medium - Gasoline - Euro 7 (2020-24) - PHEV	2020	2024	3.47	19.00	20000	380	2020	2023
Road - P - CAR - Medium - Gasoline - Euro 8 (2025-29) - PHEV	2025	2029	3.22	17.62	18000	760	2025	2026
Road - P - CAR - Medium - Gasoline - Euro 9 (2030-34) - PHEV	2030	2034	2.98	16.33	18000	760	2030	2031
Road - P - CAR - Medium - Gasoline - Euro 10 (2035-39) - PHEV	2035	2039	2.77	15.14	18000	760	2035	2036
Road - P - CAR - Medium - Gasoline - Euro 11 (2040-44) - PHEV	2040	2044	2.57	14.04	18000	760	2040	2041
Road - P - CAR - Medium - Gasoline - Euro 12 (2045-50) - PHEV	2045		2.41	13.02	18000	760	2045	2046
Road - P - CAR - Medium - Diesel - Conventional (pre-EURO)	1980	1991	5.59		18000	700	1980	1981
Road - P - CAR - Medium - Diesel - Euro 1 (1992-96)	1992	1995	5.83		18000	1375	1992	1993
Road - P - CAR - Medium - Diesel - Euro 2 (1996-2001)	1996	1999	5.87		18000	2750	1996	1997
Road - P - CAR - Medium - Diesel - Euro 3 (2001-05)	2000	2004	6.20		18000	5500	2000	2001
Road - P - CAR - Medium - Diesel - Euro 4 (2005-09)	2005	2008	5.79		16950	11190	2005	2006
Road - P - CAR - Medium - Diesel - Euro 5 (2009-14)	2009	2014	5.46		16500	11190	2009	2010
Road - P - CAR - Medium - Diesel - Euro 6 (2015-19)	2015	2019	5.01		16200	11190	2015	2016
Road - P - CAR - Medium - Diesel - Euro 7 (2020-24)	2020	2024	4.65		15750	11190	2020	2021
Road - P - CAR - Medium - Diesel - Euro 8 (2025-29)	2025	2029	4.31		15750	11190	2025	2026
Road - P - CAR - Medium - Diesel - Euro 9 (2030-34)	2030	2034	4.00		15750	11190	2030	2031
Road - P - CAR - Medium - Diesel - Euro 10 (2035-39)	2035	2039	3.71		15750	11190	2035	2036
Road - P - CAR - Medium - Diesel - Euro 11 (2040-44)	2040	2044	3.44		15750	11190	2040	2041
Road - P - CAR - Medium - Diesel - Euro 12 (2045-50)	2045		3.19		15750	11190	2045	2046
Road - P - CAR - Medium - Diesel - Euro 4 (2005-09) - HEV	2005	2008	3.50		28250	1.5	2005	2006
Road - P - CAR - Medium - Diesel - Euro 5 (2009-14) - HEV	2009	2014	3.31		24200	25	2009	2010
Road - P - CAR - Medium - Diesel - Euro 6 (2015-19) - HEV	2015	2019	3.04		21600	100	2015	2020
Road - P - CAR - Medium - Diesel - Euro 7 (2020-24) - HEV	2020	2024	2.82		21000	500	2020	2023
Road - P - CAR - Medium - Diesel - Euro 8 (2025-29) - HEV	2025	2029	2.61		21000	1000	2025	2027

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - CAR - Medium - Diesel - Euro 9 (2030-34) - HEV	2030	2034	2.42		21000	1284	2030	2031
Road - P - CAR - Medium - Diesel - Euro 10 (2035-39) - HEV	2035	2039	2.25		21000	1284	2035	2036
Road - P - CAR - Medium - Diesel - Euro 11 (2040-44) - HEV	2040	2044	2.08		21000	1284	2040	2041
Road - P - CAR - Medium - Diesel - Euro 12 (2045-50) - HEV	2045		1.93		21000	1284	2045	2046
Road - P - CAR - Medium - Diesel - Euro 5 (2009-14) - PHEV	2009	2014	3.46	22.43	27500	0	2009	2014
Road - P - CAR - Medium - Diesel - Euro 6 (2015-19) - PHEV	2015	2019	3.23	20.49	24300	190	2015	2019
Road - P - CAR - Medium - Diesel - Euro 7 (2020-24) - PHEV	2020	2024	3.00	19.00	21000	380	2020	2024
Road - P - CAR - Medium - Diesel - Euro 8 (2025-29) - PHEV	2025	2029	2.78	17.62	18900	380	2025	2026
Road - P - CAR - Medium - Diesel - Euro 9 (2030-34) - PHEV	2030	2034	2.58	16.33	18900	760	2030	2031
Road - P - CAR - Medium - Diesel - Euro 10 (2035-39) - PHEV	2035	2039	2.39	15.14	18900	760	2035	2036
Road - P - CAR - Medium - Diesel - Euro 11 (2040-44) - PHEV	2040	2044	2.22	14.04	18900	760	2040	2041
Road - P - CAR - Medium - Diesel - Euro 12 (2045-50) - PHEV	2045		2.08	13.02	18900	760	2045	2046
Road - P - CAR - Medium - Liquified Petroleum Gas - Euro 2 (1996-2001)	1995	1999	10.57		22000	0.527191	1995	1996
Road - P - CAR - Medium - Liquified Petroleum Gas - Euro 3 (2001-05)	2000	2004	10.74		20000	2	2000	2002
Road - P - CAR - Medium - Liquified Petroleum Gas - Euro 4 (2005-09)	2005	2008	9.37		19000	0.48	2005	2007
Road - P - CAR - Medium - Liquified Petroleum Gas - Euro 5 (2009-14)	2009	2014	8.79		19000	14	2009	2010
Road - P - CAR - Medium - Liquified Petroleum Gas - Euro 6 (2015-19)	2015	2019	8.03		19000	14	2015	2016
Road - P - CAR - Medium - Liquified Petroleum Gas - Euro 7 (2020-24)	2020	2024	7.45		19000	14	2020	2021
Road - P - CAR - Medium - Liquified Petroleum Gas - Euro 8 (2025-29)	2025	2029	6.90		19000	14	2025	2026
Road - P - CAR - Medium - Liquified Petroleum Gas - Euro 9 (2030-34)	2030	2034	6.40		19000	14	2030	2031
Road - P - CAR - Medium - Liquified Petroleum Gas - Euro 10 (2035-39)	2035	2039	5.94		19000	14	2035	2036
Road - P - CAR - Medium - Liquified Petroleum Gas - Euro 11 (2040-44)	2040	2044	5.50		19000	14	2040	2041

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - CAR - Medium - Liquified Petroleum Gas - Euro 12 (2045-50)	2045		5.10		19000	14	2045	2046
Road - P - CAR - Medium - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09)	2005	2008	12.59		19000	0.5	2005	2009
Road - P - CAR - Medium - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	2009	2014	11.86		19000	0	2009	2010
Road - P - CAR - Medium - Bioethanol(85)-petrol(15) blend - Euro 6 (2015-19)	2015	2019	10.08		19000	0	2015	2016
Road - P - CAR - Medium - Bioethanol(85)-petrol(15) blend - Euro 7 (2020-24)	2020	2024	9.35		19000	0	2020	2021
Road - P - CAR - Medium - Bioethanol(85)-petrol(15) blend - Euro 8 (2025-29)	2025	2029	8.67		19000	0	2025	2026
Road - P - CAR - Medium - Bioethanol(85)-petrol(15) blend - Euro 9 (2030-34)	2030	2034	8.04		19000	0	2030	2031
Road - P - CAR - Medium - Bioethanol(85)-petrol(15) blend - Euro 10 (2035-39)	2035	2039	7.45		19000	0	2035	2036
Road - P - CAR - Medium - Bioethanol(85)-petrol(15) blend - Euro 11 (2040-44)	2040	2044	6.91		19000	0	2040	2041
Road - P - CAR - Medium - Bioethanol(85)-petrol(15) blend - Euro 12 (2045-50)	2045		6.41		19000	0	2045	2046
Road - P - CAR - Medium - Biodiesel (FT, synthetic) - Standard 1	1995	2009	6.29		22000	0.4	1995	2000
Road - P - CAR - Medium - Biodiesel (FT, synthetic) - Standard 2	2010	2024	5.02		20000	0	2010	2014
Road - P - CAR - Medium - Biodiesel (FT, synthetic) - Standard 3	2025		3.73		18000	0	2025	2030
Road - P - CAR - Medium - Compressed Natural Gas - Euro 4 (2005-09)	2005	2008	33.18		24000	0	2005	2008

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - CAR - Medium - Compressed Natural Gas - Euro 5 (2009-14)	2009	2014	31.15		22000	0	2009	2014
Road - P - CAR - Medium - Compressed Natural Gas - Euro 6 (2015-19)	2015	2019	28.45		20000	0	2015	2018
Road - P - CAR - Medium - Compressed Natural Gas - Euro 7 (2020-24)	2020	2024	26.38		20000	0	2020	2022
Road - P - CAR - Medium - Compressed Natural Gas - Euro 8 (2025-29)	2025	2029	24.46		20000	0	2025	2027
Road - P - CAR - Medium - Compressed Natural Gas - Euro 9 (2030-34)	2030	2034	22.68		20000	0	2030	2031
Road - P - CAR - Medium - Compressed Natural Gas - Euro 10 (2035-39)	2035	2039	21.03		20000	0	2035	2036
Road - P - CAR - Medium - Compressed Natural Gas - Euro 11 (2040-44)	2040	2044	19.50		20000	0	2040	2041
Road - P - CAR - Medium - Compressed Natural Gas - Euro 12 (2045-50)	2045		18.08		20000	0	2045	2046
Road - P - CAR - Medium - Electricity - Euro 3 (2001-05)	2000	2004	23.81		40000	0.01	1995	2005
Road - P - CAR - Medium - Electricity - Euro 4 (2005-09)	2005	2008	23.83		35000	3	2000	2010
Road - P - CAR - Medium - Electricity - Euro 5 (2009-14)	2009	2014	22.43		30000	12.1	2004	2014
Road - P - CAR - Medium - Electricity - Euro 6 (2015-19)	2015	2019	20.49		25000	2639	2015	2020
Road - P - CAR - Medium - Electricity - Euro 7 (2020-24)	2020	2024	19.00		20000	2639	2020	2025
Road - P - CAR - Medium - Electricity - Euro 8 (2025-29)	2025	2029	17.62		17500	2639	2025	2026
Road - P - CAR - Medium - Electricity - Euro 9 (2030-34)	2030	2034	16.33		15000	2639	2030	2031
Road - P - CAR - Medium - Electricity - Euro 10 (2035-39)	2035	2039	15.14		15000	2639	2035	2036
Road - P - CAR - Medium - Electricity - Euro 11 (2040-44)	2040	2044	14.04		15000	2639	2040	2041
Road - P - CAR - Medium - Electricity - Euro 12 (2045-50)	2045		13.02		15000	2639	2045	2046

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - CAR - Medium - Gaseous Hydrogen - Fuel Cell	2030		33.75		40000	0	2030	2035
Road - P - CAR - Medium - Gaseous Hydrogen - Fuel Cell	2020	2029	43.47		50000	0	2020	2025
Road - P - CAR - Large - Gasoline - Conventional (pre-EURO)	1980	1991	10.50		22000	10537	1980	1981
Road - P - CAR - Large - Gasoline - Euro 1 (1992-96)	1992	1995	10.98		22000	10537	1992	1993
Road - P - CAR - Large - Gasoline - Euro 2 (1996-2001)	1996	1999	11.67		22000	10537	1996	1997
Road - P - CAR - Large - Gasoline - Euro 3 (2001-05)	2000	2004	11.71		22000	10537	2000	2001
Road - P - CAR - Large - Gasoline - Euro 4 (2005-09)	2005	2008	10.93		22000	10537	2005	2006
Road - P - CAR - Large - Gasoline - Euro 5 (2009-14)	2009	2014	10.31		22000	10537	2009	2010
Road - P - CAR - Large - Gasoline - Euro 6 (2015-19)	2015	2019	9.46		22000	10537	2015	2016
Road - P - CAR - Large - Gasoline - Euro 7 (2020-24)	2020	2024	8.78		22000	10537	2020	2021
Road - P - CAR - Large - Gasoline - Euro 8 (2025-29)	2025	2029	8.14		22000	10537	2025	2026
Road - P - CAR - Large - Gasoline - Euro 9 (2030-34)	2030	2034	7.55		22000	10537	2030	2031
Road - P - CAR - Large - Gasoline - Euro 10 (2035-39)	2035	2039	7.00		22000	10537	2035	2036
Road - P - CAR - Large - Gasoline - Euro 11 (2040-44)	2040	2044	6.49		22000	10537	2040	2041
Road - P - CAR - Large - Gasoline - Euro 12 (2045-50)	2045		6.02		22000	10537	2045	2046
Road - P - CAR - Large - Gasoline - Euro 4 (2005-09) - HEV	2005	2008	6.61		35000	10	2005	2006
Road - P - CAR - Large - Gasoline - Euro 5 (2009-14) - HEV	2009	2014	6.24		32500	518	2009	2014
Road - P - CAR - Large - Gasoline - Euro 6 (2015-19) - HEV	2015	2019	5.73		30000	1036	2015	2019
Road - P - CAR - Large - Gasoline - Euro 7 (2020-24) - HEV	2020	2024	5.32		27500	1036	2020	2023
Road - P - CAR - Large - Gasoline - Euro 8 (2025-29) - HEV	2025	2029	4.93		25000	1036	2025	2027
Road - P - CAR - Large - Gasoline - Euro 9 (2030-34) - HEV	2030	2034	4.57		24000	1036	2030	2031
Road - P - CAR - Large - Gasoline - Euro 10 (2035-39) - HEV	2035	2039	4.24		24000	1036	2035	2036
Road - P - CAR - Large - Gasoline - Euro 11 (2040-44) - HEV	2040	2044	3.93		24000	1036	2040	2041
Road - P - CAR - Large - Gasoline - Euro 12 (2045-50) - HEV	2045		3.64		24000	1036	2045	2046
Road - P - CAR - Large - Gasoline - Euro 5 (2009-14) - PHEV	2009	2014	4.99	30.00	32500	258	2009	2014
Road - P - CAR - Large - Gasoline - Euro 6 (2015-19) - PHEV	2015	2019	4.66	28.00	30000	516	2015	2019

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - CAR - Large - Gasoline - Euro 7 (2020-24) - PHEV	2020	2024	4.32	26.00	27500	516	2020	2024
Road - P - CAR - Large - Gasoline - Euro 8 (2025-29) - PHEV	2025	2029	4.01	24.00	25000	516	2025	2029
Road - P - CAR - Large - Gasoline - Euro 9 (2030-34) - PHEV	2030	2034	3.71	22.00	24000	516	2030	2031
Road - P - CAR - Large - Gasoline - Euro 10 (2035-39) - PHEV	2035	2039	3.44	20.00	24000	516	2035	2036
Road - P - CAR - Large - Gasoline - Euro 11 (2040-44) - PHEV	2040	2044	3.19	18.00	24000	516	2040	2041
Road - P - CAR - Large - Gasoline - Euro 12 (2045-50) - PHEV	2045		3.00	16.00	24000	516	2045	2046
Road - P - CAR - Large - Diesel - Conventional (pre-EURO)	1980	1991	7.11		25000	1336	1980	1991
Road - P - CAR - Large - Diesel - Euro 1 (1992-96)	1992	1995	7.41		25000	2250	1992	1995
Road - P - CAR - Large - Diesel - Euro 2 (1996-2001)	1996	1999	7.33		25000	4500	1996	1999
Road - P - CAR - Large - Diesel - Euro 3 (2001-05)	2000	2004	7.97		25000	13364	2000	2004
Road - P - CAR - Large - Diesel - Euro 4 (2005-09)	2005	2008	7.44		24860	13364	2005	2006
Road - P - CAR - Large - Diesel - Euro 5 (2009-14)	2009	2014	7.01		24200	13364	2009	2010
Road - P - CAR - Large - Diesel - Euro 6 (2015-19)	2015	2019	6.44		23760	13364	2015	2016
Road - P - CAR - Large - Diesel - Euro 7 (2020-24)	2020	2024	5.98		23100	13364	2020	2021
Road - P - CAR - Large - Diesel - Euro 8 (2025-29)	2025	2029	5.54		23100	13364	2025	2026
Road - P - CAR - Large - Diesel - Euro 9 (2030-34)	2030	2034	5.14		23100	13364	2030	2031
Road - P - CAR - Large - Diesel - Euro 10 (2035-39)	2035	2039	4.76		23100	13364	2035	2036
Road - P - CAR - Large - Diesel - Euro 11 (2040-44)	2040	2044	4.42		23100	13364	2040	2041
Road - P - CAR - Large - Diesel - Euro 12 (2045-50)	2045		4.10		23100	13364	2045	2046
Road - P - CAR - Large - Diesel - Euro 4 (2005-09) - HEV	2005	2008	4.50		39550	0.1	2005	2006
Road - P - CAR - Large - Diesel - Euro 5 (2009-14) - HEV	2009	2014	4.25		35750	61	2009	2010
Road - P - CAR - Large - Diesel - Euro 6 (2015-19) - HEV	2015	2019	3.90		32400	244	2015	2016
Road - P - CAR - Large - Diesel - Euro 7 (2020-24) - HEV	2020	2024	3.62		30000	1054	2020	2021
Road - P - CAR - Large - Diesel - Euro 8 (2025-29) - HEV	2025	2029	3.36		30000	1054	2025	2026
Road - P - CAR - Large - Diesel - Euro 9 (2030-34) - HEV	2030	2034	3.11		30000	1054	2030	2031
Road - P - CAR - Large - Diesel - Euro 10 (2035-39) - HEV	2035	2039	2.89		30000	1054	2035	2036

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - CAR - Large - Diesel - Euro 11 (2040-44) - HEV	2040	2044	2.68		30000	1054	2040	2041
Road - P - CAR - Large - Diesel - Euro 12 (2045-50) - HEV	2045		2.48		30000	1054	2045	2046
Road - P - CAR - Large - Diesel - Euro 5 (2009-14) - PHEV	2009	2014	3.46	26.92	35750	0	2009	2014
Road - P - CAR - Large - Diesel - Euro 6 (2015-19) - PHEV	2015	2019	3.23	24.59	32400	100	2015	2019
Road - P - CAR - Large - Diesel - Euro 7 (2020-24) - PHEV	2020	2024	3.00	22.80	28875	250	2020	2024
Road - P - CAR - Large - Diesel - Euro 8 (2025-29) - PHEV	2025	2029	2.78	21.14	26250	516	2025	2029
Road - P - CAR - Large - Diesel - Euro 9 (2030-34) - PHEV	2030	2034	2.58	19.60	25200	516	2030	2031
Road - P - CAR - Large - Diesel - Euro 10 (2035-39) - PHEV	2035	2039	2.39	18.17	25200	516	2035	2036
Road - P - CAR - Large - Diesel - Euro 11 (2040-44) - PHEV	2040	2044	2.22	16.85	25200	516	2040	2041
Road - P - CAR - Large - Diesel - Euro 12 (2045-50) - PHEV	2045		2.08	15.62	25200	516	2045	2046
Road - P - CAR - Large - Liquified Petroleum Gas - Euro 2 (1996-2001)	1995	1999	11.03		26000	0.1	1995	1997
Road - P - CAR - Large - Liquified Petroleum Gas - Euro 3 (2001-05)	2000	2004	11.73		26000	1.56	2000	2002
Road - P - CAR - Large - Liquified Petroleum Gas - Euro 4 (2005-09)	2005	2008	10.23		26000	0.39	2005	2007
Road - P - CAR - Large - Liquified Petroleum Gas - Euro 5 (2009-14)	2009	2014	9.61		26000	11	2009	2010
Road - P - CAR - Large - Liquified Petroleum Gas - Euro 6 (2015-19)	2015	2019	8.77		26000	11	2015	2016
Road - P - CAR - Large - Liquified Petroleum Gas - Euro 7 (2020-24)	2020	2024	8.13		26000	11	2020	2021
Road - P - CAR - Large - Liquified Petroleum Gas - Euro 8 (2025-29)	2025	2029	7.54		26000	11	2025	2026
Road - P - CAR - Large - Liquified Petroleum Gas - Euro 9 (2030-34)	2030	2034	6.99		26000	11	2030	2031
Road - P - CAR - Large - Liquified Petroleum Gas - Euro 10 (2035-39)	2035	2039	6.48		26000	11	2035	2036
Road - P - CAR - Large - Liquified Petroleum Gas - Euro 11 (2040-44)	2040	2044	6.01		26000	11	2040	2041
Road - P - CAR - Large - Liquified Petroleum Gas - Euro 12 (2045-50)	2045		5.58		26000	11	2045	2046
Road - P - CAR - Large - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09)	2005	2008	14.52		26000	0.4	2005	2009
Road - P - CAR - Large - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	2009	2014	14.63		26000	0	2009	2014

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - CAR - Large - Bioethanol(85)-petrol(15) blend - Euro 6 (2015-19)	2015	2019	12.44		25000	0	2015	2016
Road - P - CAR - Large - Bioethanol(85)-petrol(15) blend - Euro 7 (2020-24)	2020	2024	11.54		25000	0	2020	2021
Road - P - CAR - Large - Bioethanol(85)-petrol(15) blend - Euro 8 (2025-29)	2025	2029	10.70		25000	0	2025	2026
Road - P - CAR - Large - Bioethanol(85)-petrol(15) blend - Euro 9 (2030-34)	2030	2034	9.92		25000	0	2030	2031
Road - P - CAR - Large - Bioethanol(85)-petrol(15) blend - Euro 10 (2035-39)	2035	2039	9.20		25000	0	2035	2036
Road - P - CAR - Large - Bioethanol(85)-petrol(15) blend - Euro 11 (2040-44)	2040	2044	8.53		25000	0	2040	2041
Road - P - CAR - Large - Bioethanol(85)-petrol(15) blend - Euro 12 (2045-50)	2045		7.91		25000	0	2045	2046
Road - P - CAR - Large - Biodiesel (FT, synthetic) - Standard 1	1995	2009	9.26		32000	0.5	1995	2000
Road - P - CAR - Large - Biodiesel (FT, synthetic) - Standard 2	2010	2024	7.47		28000	0	2010	2014
Road - P - CAR - Large - Biodiesel (FT, synthetic) - Standard 3	2025		5.54		26000	0	2025	2030
Road - P - CAR - Large - Compressed Natural Gas - Euro 4 (2005-09)	2005	2008	40.95		32000	0	2005	2008
Road - P - CAR - Large - Compressed Natural Gas - Euro 5 (2009-14)	2009	2014	38.44		30000	0	2009	2014
Road - P - CAR - Large - Compressed Natural Gas - Euro 6 (2015-19)	2015	2019	35.11		28000	0	2015	2018
Road - P - CAR - Large - Compressed Natural Gas - Euro 7 (2020-24)	2020	2024	32.55		27000	0	2020	2022
Road - P - CAR - Large - Compressed Natural Gas - Euro 8 (2025-29)	2025	2029	30.18		27000	0	2025	2027
Road - P - CAR - Large - Compressed Natural Gas - Euro 9 (2030-34)	2030	2034	27.99		27000	0	2030	2031
Road - P - CAR - Large - Compressed Natural Gas - Euro 10 (2035-39)	2035	2039	25.95		27000	0	2035	2036
Road - P - CAR - Large - Compressed Natural Gas - Euro 11 (2040-44)	2040	2044	24.06		27000	0	2040	2041
Road - P - CAR - Large - Compressed Natural Gas - Euro 12 (2045-50)	2045		22.31		27000	0	2045	2046

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - CAR - Large - Electricity - Euro 5 (2009-14)	2009	2014	25.78		45000	0	2009	2014
Road - P - CAR - Large - Electricity - Euro 6 (2015-19)	2015	2019	23.07		37500	125	2015	2019
Road - P - CAR - Large - Electricity - Euro 7 (2020-24)	2020	2024	21.71		28000	250	2020	2023
Road - P - CAR - Large - Electricity - Euro 8 (2025-29)	2025	2029	20.35		25000	500	2025	2027
Road - P - CAR - Large - Electricity - Euro 9 (2030-34)	2030	2034	18.32		22000	1036	2030	2031
Road - P - CAR - Large - Electricity - Euro 10 (2035-39)	2035	2039	16.96		22000	1036	2035	2036
Road - P - CAR - Large - Electricity - Euro 11 (2040-44)	2040	2044	16.28		22000	1036	2040	2041
Road - P - CAR - Large - Electricity - Euro 12 (2045-50)	2045		14.93		22000	1036	2045	2046
Road - P - CAR - Large - Gaseous Hydrogen - Fuel Cell	2015	2029	43.47		44000	0	2015	2020
Road - P - CAR - Large - Gaseous Hydrogen - Fuel Cell	2030		29.73		33000	0	2030	2035
Road - P - CAR - Large - Liquefied Hydrogen - Euro 5 (2009-14)	2009	2014	42.49		60000	0	2009	2014
Road - P - CAR - Large - Liquefied Hydrogen - Euro 6 (2015-19)	2015	2019	38.81		60000	0	2015	2016
Road - P - CAR - Large - Liquefied Hydrogen - Euro 7 (2020-24)	2020	2024	35.98		50000	0	2020	2021
Road - P - CAR - Large - Liquefied Hydrogen - Euro 8 (2025-29)	2025	2029	33.36		40000	0	2025	2026
Road - P - CAR - Large - Liquefied Hydrogen - Euro 9 (2030-34)	2030	2039	30.93		40000	0	2030	2031
Road - P - CAR - Large - Liquefied Hydrogen - Euro 11 (2040-44)	2040		26.59		40000	0	2040	2041
Road - P - BUS - Mini - Gasoline - Standard 1	1990	2005	10.57		62752	20243	1990	1991
Road - P - BUS - Mini - Gasoline - Standard 2	2005	2020	8.44		62752	20243	2005	2006
Road - P - BUS - Mini - Gasoline - Standard 3	2020		17.14		62752	20243	2020	2021
Road - P - BUS - Mini - Diesel - Conventional (pre-EURO)	1980	1993	34.62		62752	4118	1980	1981
Road - P - BUS - Mini - Diesel - Euro 1 (1992-96)	1992	1996	34.51		62752	1370	1992	1993
Road - P - BUS - Mini - Diesel - Euro 2 (1996-2001)	1996	2000	34.57		62752	5488	1996	1997
Road - P - BUS - Mini - Diesel - Euro 3 (2001-05)	2000	2005	31.30		62752	20243	2000	2001
Road - P - BUS - Mini - Diesel - Euro 4 (2005-09)	2005	2009	29.79		62752	20243	2005	2006
Road - P - BUS - Mini - Diesel - Euro 5 (2009-14)	2009	2015	29.22		62752	20243	2009	2010
Road - P - BUS - Mini - Diesel - Euro 6 (2015-19)	2015	2020	28.45		62752	20243	2015	2016

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - BUS - Mini - Diesel - Euro 7 (2020-24)	2020	2025	27.76		62752	20243	2020	2021
Road - P - BUS - Mini - Diesel - Euro 8 (2025-29)	2025	2030	27.07		62752	20243	2025	2026
Road - P - BUS - Mini - Diesel - Euro 9 (2030-34)	2030	2035	26.40		62752	20243	2030	2031
Road - P - BUS - Mini - Diesel - Euro 10 (2035-39)	2035	2040	25.75		62752	20243	2035	2036
Road - P - BUS - Mini - Diesel - Euro 11 (2040-44)	2040	2045	25.11		62752	20243	2040	2041
Road - P - BUS - Mini - Diesel - Euro 12 (2045-50)	2045		24.49		62752	20243	2045	2046
Road - P - BUS - Mini - Diesel - Euro 4 (2005-09) - HEV	2005	2009	18.04		75300	202.43	2005	2008
Road - P - BUS - Mini - Diesel - Euro 5 (2009-14) - HEV	2009	2015	17.70		70000	1012	2009	2012
Road - P - BUS - Mini - Diesel - Euro 6 (2015-19) - HEV	2015	2020	17.23		68000	2024	2015	2018
Road - P - BUS - Mini - Diesel - Euro 7 (2020-24) - HEV	2020	2025	16.81		65890	2024	2020	2021
Road - P - BUS - Mini - Diesel - Euro 8 (2025-29) - HEV	2025	2030	16.39		65890	2024	2025	2026
Road - P - BUS - Mini - Diesel - Euro 9 (2030-34) - HEV	2030	2035	15.99		65890	2024	2030	2031
Road - P - BUS - Mini - Diesel - Euro 10 (2035-39) - HEV	2035	2040	15.59		65890	2024	2035	2036
Road - P - BUS - Mini - Diesel - Euro 11 (2040-44) - HEV	2040	2045	15.20		65890	2024	2040	2041
Road - P - BUS - Mini - Diesel - Euro 12 (2045-50) - HEV	2045		14.83		65890	2024	2045	2046
Road - P - BUS - Mini - Liquefied Petroleum Gas - Euro 4 (2005-09)	2005	2009	54.64		72164.7968	1	2005	2006
Road - P - BUS - Mini - Liquefied Petroleum Gas - Euro 5 (2009-14)	2009	2015	47.70		69027.2031	0	2009	2010
Road - P - BUS - Mini - Liquefied Petroleum Gas - Euro 6 (2015-19)	2015	2020	46.33		68399.6796	0	2015	2016
Road - P - BUS - Mini - Liquefied Petroleum Gas - Euro 7 (2020-24)	2020	2025	45.18		67772.1562	0	2020	2021
Road - P - BUS - Mini - Liquefied Petroleum Gas - Euro 8 (2025-29)	2025	2030	44.06		67144.6406	0	2025	2026

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - BUS - Mini - Liquefied Petroleum Gas - Euro 9 (2030-34)	2030	2035	42.97		66517.11719	0	2030	2031
Road - P - BUS - Mini - Liquefied Petroleum Gas - Euro 10 (2035-39)	2035	2040	41.91		65889.60156	0	2035	2036
Road - P - BUS - Mini - Liquefied Petroleum Gas - Euro 11 (2040-44)	2040	2045	40.87		65889.60156	0	2040	2041
Road - P - BUS - Mini - Liquefied Petroleum Gas - Euro 12 (2045-50)	2045		39.86		65889.60156	0	2045	2046
Road - P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09)	2005	2009	26.28		67998	101.2	2005	2009
Road - P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	2009	2015	25.65		67998	202.43	2009	2014
Road - P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 6 (2015-19)	2015	2020	25.11		67321	202.43	2015	2019
Road - P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 7 (2020-24)	2020	2025	24.49		66650	202.43	2020	2021
Road - P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 8 (2025-29)	2025	2030	23.89		65986	202.43	2025	2026
Road - P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 9 (2030-34)	2030	2035	23.30		65329	202.43	2030	2031
Road - P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 10 (2035-39)	2035	2040	22.72		64678	202.43	2035	2036
Road - P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 11 (2040-44)	2040	2045	22.16		64034	202.43	2040	2041
Road - P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 12 (2045-50)	2045		21.61		63396	202.43	2045	2046

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - BUS - Mini - Biodiesel (FT, synthetic) - Standard 1	1990	2005	40.62		65890	0.1	1990	1995
Road - P - BUS - Mini - Biodiesel (FT, synthetic) - Standard 2	2005	2015	37.76		65890	101	2005	2010
Road - P - BUS - Mini - Biodiesel (FT, synthetic) - Standard 3	2015		36.04		65890	202.43	2015	2020
Road - P - BUS - Mini - Compressed Natural Gas - Euro 4 (2005-09)	2005	2009	147.40		19800	0	2005	2008
Road - P - BUS - Mini - Compressed Natural Gas - Euro 5 (2009-14)	2009	2015	145.11		18975	0	2009	2014
Road - P - BUS - Mini - Compressed Natural Gas - Euro 6 (2015-19)	2015	2020	140.92		18150	0	2015	2018
Road - P - BUS - Mini - Compressed Natural Gas - Euro 7 (2020-24)	2020	2025	137.44		17985	0	2020	2022
Road - P - BUS - Mini - Compressed Natural Gas - Euro 8 (2025-29)	2025	2030	134.03		17820	0	2025	2027
Road - P - BUS - Mini - Compressed Natural Gas - Euro 9 (2030-34)	2030	2035	130.72		17655	0	2030	2031
Road - P - BUS - Mini - Compressed Natural Gas - Euro 10 (2035-39)	2035	2040	127.48		17490	0	2035	2036
Road - P - BUS - Mini - Compressed Natural Gas - Euro 11 (2040-44)	2040	2045	124.33		17325	0	2040	2041
Road - P - BUS - Mini - Compressed Natural Gas - Euro 12 (2045-50)	2045		121.25		17325	0	2045	2046
Road - P - BUS - Mini - Electricity - Standard 1	2015	2025	53.79		85000	1012	2015	2020
Road - P - BUS - Mini - Electricity - Standard 2	2025	2035	48.64		69451.1875	1012	2025	2026
Road - P - BUS - Mini - Electricity - Standard 3	2035		43.99		62810.4101	1012	2035	2036
					6			
Road - P - BUS - Mini - Gaseous Hydrogen - Fuel Cell	2010		180.74		93750	0.1	2010	2030
Road - P - BUS - Urban - Diesel - Conventional (pre-EURO)	1980	1992	52.99		125504	50459	1980	1981
Road - P - BUS - Urban - Diesel - Euro 1 (1992-96)	1992	1996	52.51		125504	16667	1992	1993
Road - P - BUS - Urban - Diesel - Euro 2 (1996-2001)	1996	2000	42.09		125504	67125	1996	1997
Road - P - BUS - Urban - Diesel - Euro 3 (2001-05)	2000	2005	42.15		125504	67125	2000	2001
Road - P - BUS - Urban - Diesel - Euro 4 (2005-09)	2005	2009	40.12		125504	67125	2005	2006
Road - P - BUS - Urban - Diesel - Euro 5 (2009-14)	2009	2015	39.35		125504	67125	2009	2010
Road - P - BUS - Urban - Diesel - Euro 6 (2015-19)	2015	2020	38.31		125504	67125	2015	2016
Road - P - BUS - Urban - Diesel - Euro 7 (2020-24)	2020	2025	37.37		125504	67125	2020	2021
Road - P - BUS - Urban - Diesel - Euro 8 (2025-29)	2025	2030	36.45		125504	67125	2025	2026

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - BUS - Urban - Diesel - Euro 9 (2030-34)	2030	2035	35.54		125504	67125	2030	2031
Road - P - BUS - Urban - Diesel - Euro 10 (2035-39)	2035	2040	34.66		125504	67125	2035	2036
Road - P - BUS - Urban - Diesel - Euro 11 (2040-44)	2040	2045	33.81		125504	67125	2040	2041
Road - P - BUS - Urban - Diesel - Euro 12 (2045-50)	2045		32.97		125504	67125	2045	2046
Road - P - BUS - Urban - Diesel - Euro 4 (2005-09) - HEV	2005	2009	32.09		145000	16781	2005	2008
Road - P - BUS - Urban - Diesel - Euro 5 (2009-14) - HEV	2009	2015	31.47		138054	33.56	2009	2012
Road - P - BUS - Urban - Diesel - Euro 6 (2015-19) - HEV	2015	2020	30.65		138054	335.63	2015	2017
Road - P - BUS - Urban - Diesel - Euro 7 (2020-24) - HEV	2020	2025	29.90		138054	3356.3	2020	2021
Road - P - BUS - Urban - Diesel - Euro 8 (2025-29) - HEV	2025	2030	29.16		138054	6712.5	2025	2026
Road - P - BUS - Urban - Diesel - Euro 9 (2030-34) - HEV	2030	2035	28.44		138054	6712.5	2030	2031
Road - P - BUS - Urban - Diesel - Euro 10 (2035-39) - HEV	2035	2040	27.73		138054	6712.5	2035	2036
Road - P - BUS - Urban - Diesel - Euro 11 (2040-44) - HEV	2040	2045	27.05		138054	6712.5	2040	2041
Road - P - BUS - Urban - Diesel - Euro 12 (2045-50) - HEV	2045		26.38		138054	6712.5	2045	2046
Road - P - BUS - Urban - Diesel - Euro 5 (2009-14) - PHEV	2009	2015	23.96	98.91	150605	33.56	2009	2014
Road - P - BUS - Urban - Diesel - Euro 6 (2015-19) - PHEV	2015	2020	23.33	93.13	145000	335.63	2015	2019
Road - P - BUS - Urban - Diesel - Euro 7 (2020-24) - PHEV	2020	2025	22.76	88.56	145000	3356.3	2020	2024
Road - P - BUS - Urban - Diesel - Euro 8 (2025-29) - PHEV	2025	2030	22.20	84.22	145000	6712.5	2025	2029
Road - P - BUS - Urban - Diesel - Euro 9 (2030-34) - PHEV	2030	2035	21.65	80.09	145000	6712.5	2030	2031
Road - P - BUS - Urban - Diesel - Euro 10 (2035-39) - PHEV	2035	2040	21.11	76.17	145000	6712.5	2035	2036
Road - P - BUS - Urban - Diesel - Euro 11 (2040-44) - PHEV	2040	2045	20.59	72.43	145000	6712.5	2040	2041
Road - P - BUS - Urban - Diesel - Euro 12 (2045-50) - PHEV	2045		20.08	68.88	145000	6712.5	2045	2046
Road - P - BUS - Urban - Liquefied Petroleum Gas - Euro 4 (2005-09)	2005	2009	65.23		144329.593	0	2005	2006
Road - P - BUS - Urban - Liquefied Petroleum Gas - Euro 5 (2009-14)	2009	2015	64.23		138054.406	0	2009	2010

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - BUS - Urban - Liquefied Petroleum Gas - Euro 6 (2015-19)	2015	2020	62.38		136799.3594	0	2015	2016
Road - P - BUS - Urban - Liquefied Petroleum Gas - Euro 7 (2020-24)	2020	2025	60.83		135544.3125	0	2020	2021
Road - P - BUS - Urban - Liquefied Petroleum Gas - Euro 8 (2025-29)	2025	2030	59.33		134289.2813	0	2025	2026
Road - P - BUS - Urban - Liquefied Petroleum Gas - Euro 9 (2030-34)	2030	2035	57.86		133034.2344	0	2030	2031
Road - P - BUS - Urban - Liquefied Petroleum Gas - Euro 10 (2035-39)	2035	2040	56.43		131779.2031	0	2035	2036
Road - P - BUS - Urban - Liquefied Petroleum Gas - Euro 11 (2040-44)	2040	2045	55.03		131779.2031	0	2040	2041
Road - P - BUS - Urban - Liquefied Petroleum Gas - Euro 12 (2045-50)	2045		53.67		131779.2031	0	2045	2046
Road - P - BUS - Urban - Bioethanol(85)-petrol(15) blend - Standard 1	2010	2020	78.86		138054	0.1	2010	2015
Road - P - BUS - Urban - Bioethanol(85)-petrol(15) blend - Standard 2	2020	2030	107.19		138054	0.1	2020	2025
Road - P - BUS - Urban - Bioethanol(85)-petrol(15) blend - Standard 3	2030		101.95		138054	0.1	2030	2035
Road - P - BUS - Urban - Biodiesel (FT, synthetic) - Standard 1	1990	2005	59.52		138054	34	1990	1995
Road - P - BUS - Urban - Biodiesel (FT, synthetic) - Standard 2	2005	2020	54.84		131779	67	2005	2010
Road - P - BUS - Urban - Biodiesel (FT, synthetic) - Standard 3	2020		51.03		131779	67	2020	2025
Road - P - BUS - Urban - Compressed Natural Gas - Euro 4 (2005-09)	2005	2009	198.43		150604.7969	0	2005	2008
Road - P - BUS - Urban - Compressed Natural Gas - Euro 5 (2009-14)	2009	2015	219.94		144329.5938	33.5625	2009	2014
Road - P - BUS - Urban - Compressed Natural Gas - Euro 6 (2015-19)	2015	2020	189.74		138054.4063	0	2015	2018

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - BUS - Urban - Compressed Natural Gas - Euro 7 (2020-24)	2020	2025	185.05		136799.3594	0	2020	2022
Road - P - BUS - Urban - Compressed Natural Gas - Euro 8 (2025-29)	2025	2030	180.47		135544.3125	0	2025	2027
Road - P - BUS - Urban - Compressed Natural Gas - Euro 9 (2030-34)	2030	2035	176.00		134289.2813	0	2030	2031
Road - P - BUS - Urban - Compressed Natural Gas - Euro 10 (2035-39)	2035	2040	171.65		133034.2344	0	2035	2036
Road - P - BUS - Urban - Compressed Natural Gas - Euro 11 (2040-44)	2040	2045	167.40		131779.2031	0	2040	2041
Road - P - BUS - Urban - Compressed Natural Gas - Euro 12 (2045-50)	2045		163.25		131779.2031	0	2045	2046
Road - P - BUS - Urban - Electricity - Euro 4 (2005-09)	2005	2009	102.97		225000	33.56	2005	2009
Road - P - BUS - Urban - Electricity - Euro 5 (2009-14)	2009	2015	98.91		199190.875	335.6	2009	2014
Road - P - BUS - Urban - Electricity - Euro 6 (2015-19)	2015	2020	93.13		176451.7188	3356	2015	2020
Road - P - BUS - Urban - Electricity - Euro 7 (2020-24)	2020	2025	88.56		159498.3906	3356	2020	2021
Road - P - BUS - Urban - Electricity - Euro 8 (2025-29)	2025	2030	84.22		147889.5313	3356	2025	2026
Road - P - BUS - Urban - Electricity - Euro 9 (2030-34)	2030	2035	80.09		140641.4688	3356	2030	2031
Road - P - BUS - Urban - Electricity - Euro 10 (2035-39)	2035	2040	76.17		133748.6406	3356	2035	2036
Road - P - BUS - Urban - Electricity - Euro 11 (2040-44)	2040	2045	72.43		130438.1953	3356	2040	2041

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - BUS - Urban - Electricity - Euro 12 (2045-50)	2045		68.88		127209.6875	3356	2045	2046
Road - P - BUS - Urban - Gaseous Hydrogen - Fuel Cell	2030	2035	207.04		152120	0.1	2030	2031
Road - P - BUS - Urban - Gaseous Hydrogen - Fuel Cell	2035	2040	196.89		141048	0.1	2035	2036
Road - P - BUS - Urban - Gaseous Hydrogen - Fuel Cell	2025	2030	217.71		164061	0.1	2025	2026
Road - P - BUS - Urban - Gaseous Hydrogen - Fuel Cell	2015	2020	240.72		195746	0.1	2015	2016
Road - P - BUS - Urban - Gaseous Hydrogen - Fuel Cell	2040		187.24		130782	0.1	2040	2041
Road - P - BUS - Urban - Gaseous Hydrogen - Fuel Cell	2020	2025	228.93		176939	0.1	2020	2021
Road - P - BUS - Coach - Diesel - Conventional (pre-EURO)	1980	1993	37.85		125504	6111	1980	1981
Road - P - BUS - Coach - Diesel - Euro 1 (1992-96)	1992	1996	37.76		125504	2027	1992	1993
Road - P - BUS - Coach - Diesel - Euro 2 (1996-2001)	1996	2000	37.85		125504	8138	1996	1997
Road - P - BUS - Coach - Diesel - Euro 3 (2001-05)	2000	2005	37.91		125504	8138	2000	2001
Road - P - BUS - Coach - Diesel - Euro 4 (2005-09)	2005	2009	36.09		125504	8138	2005	2006
Road - P - BUS - Coach - Diesel - Euro 5 (2009-14)	2009	2015	35.40		125504	8138	2009	2010
Road - P - BUS - Coach - Diesel - Euro 6 (2015-19)	2015	2020	34.46		125504	8138	2015	2016
Road - P - BUS - Coach - Diesel - Euro 7 (2020-24)	2020	2025	33.62		125504	8138	2020	2021
Road - P - BUS - Coach - Diesel - Euro 8 (2025-29)	2025	2030	32.79		125504	8138	2025	2026
Road - P - BUS - Coach - Diesel - Euro 9 (2030-34)	2030	2035	31.98		125504	8138	2030	2031
Road - P - BUS - Coach - Diesel - Euro 10 (2035-39)	2035	2040	31.19		125504	8138	2035	2036
Road - P - BUS - Coach - Diesel - Euro 11 (2040-44)	2040	2045	30.41		125504	8138	2040	2041
Road - P - BUS - Coach - Diesel - Euro 12 (2045-50)	2045		29.66		125504	8138	2045	2046
Road - P - BUS - Coach - Diesel - Euro 4 (2005-09) - HEV	2005	2009	37.89		138054	0.1	2005	2006
Road - P - BUS - Coach - Diesel - Euro 5 (2009-14) - HEV	2009	2015	37.20		138054	0.8	2009	2010
Road - P - BUS - Coach - Diesel - Euro 6 (2015-19) - HEV	2015	2020	36.24		138054	81.4	2015	2018
Road - P - BUS - Coach - Diesel - Euro 7 (2020-24) - HEV	2020	2025	35.35		138054	813.8	2020	2022
Road - P - BUS - Coach - Diesel - Euro 8 (2025-29) - HEV	2025	2030	34.48		138054	813.8	2025	2026

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - BUS - Coach - Diesel - Euro 9 (2030-34) - HEV	2030	2035	33.62		138054	813.8	2030	2031
Road - P - BUS - Coach - Diesel - Euro 10 (2035-39) - HEV	2035	2040	32.79		138054	813.8	2035	2036
Road - P - BUS - Coach - Diesel - Euro 11 (2040-44) - HEV	2040	2045	31.98		138054	813.8	2040	2041
Road - P - BUS - Coach - Diesel - Euro 12 (2045-50) - HEV	2045		31.19		138054	813.8	2045	2046
Road - P - BUS - Coach - Liquefied Petroleum Gas - Euro 4 (2005-09)	2005	2009	58.68		144329.5938	0	2005	2006
Road - P - BUS - Coach - Liquefied Petroleum Gas - Euro 5 (2009-14)	2009	2015	57.78		138054.4063	0	2009	2010
Road - P - BUS - Coach - Liquefied Petroleum Gas - Euro 6 (2015-19)	2015	2020	56.12		136799.3594	0	2015	2016
Road - P - BUS - Coach - Liquefied Petroleum Gas - Euro 7 (2020-24)	2020	2025	54.73		135544.3125	0	2020	2021
Road - P - BUS - Coach - Liquefied Petroleum Gas - Euro 8 (2025-29)	2025	2030	53.37		134289.2813	0	2025	2026
Road - P - BUS - Coach - Liquefied Petroleum Gas - Euro 9 (2030-34)	2030	2035	52.05		133034.2344	0	2030	2031
Road - P - BUS - Coach - Liquefied Petroleum Gas - Euro 10 (2035-39)	2035	2040	50.76		131779.2031	0	2035	2036
Road - P - BUS - Coach - Liquefied Petroleum Gas - Euro 11 (2040-44)	2040	2045	49.51		131779.2031	0	2040	2041
Road - P - BUS - Coach - Liquefied Petroleum Gas - Euro 12 (2045-50)	2045		48.28		131779.2031	0	2045	2046
Road - P - BUS - Coach - Biodiesel (FT, synthetic) - Standard 1	1990	2005	42.54		138054	8	1990	1995
Road - P - BUS - Coach - Biodiesel (FT, synthetic) - Standard 2	2005	2020	42.54		131779	8	2005	2010
Road - P - BUS - Coach - Biodiesel (FT, synthetic) - Standard 3	2020		39.60		131779	8	2020	2025

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - BUS - Coach - Compressed Natural Gas - Euro 4 (2005-09)	2005	2009	178.54		150604.7969	0	2005	2008
Road - P - BUS - Coach - Compressed Natural Gas - Euro 5 (2009-14)	2009	2015	175.77		144329.5938	0	2009	2014
Road - P - BUS - Coach - Compressed Natural Gas - Euro 6 (2015-19)	2015	2020	170.70		138054.4063	0	2015	2018
Road - P - BUS - Coach - Compressed Natural Gas - Euro 7 (2020-24)	2020	2025	166.47		136799.3594	0	2020	2022
Road - P - BUS - Coach - Compressed Natural Gas - Euro 8 (2025-29)	2025	2030	162.35		135544.3125	0	2025	2027
Road - P - BUS - Coach - Compressed Natural Gas - Euro 9 (2030-34)	2030	2035	158.33		134289.2813	0	2030	2031
Road - P - BUS - Coach - Compressed Natural Gas - Euro 10 (2035-39)	2035	2040	154.41		133034.2344	0	2035	2036
Road - P - BUS - Coach - Compressed Natural Gas - Euro 11 (2040-44)	2040	2045	150.59		131779.2031	0	2040	2041
Road - P - BUS - Coach - Compressed Natural Gas - Euro 12 (2045-50)	2045		146.87		131779.2031	0	2045	2046
Road - P - BUS - Coach - Electricity - Euro 4 (2005-09)	2005	2009	135.37		225000	0.4	1995	2000
Road - P - BUS - Coach - Electricity - Euro 5 (2009-14)	2009	2015	130.03		207532.8438	4	2009	2014
Road - P - BUS - Coach - Electricity - Euro 6 (2015-19)	2015	2020	122.42		183841.375	40.7	2015	2020
Road - P - BUS - Coach - Electricity - Euro 7 (2020-24)	2020	2025	116.42		170460.7656	407	2020	2025
Road - P - BUS - Coach - Electricity - Euro 8 (2025-29)	2025	2030	110.72		158054.0313	407	2025	2026

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - P - BUS - Coach - Electricity - Euro 9 (2030-34)	2030	2035	105.29		146550.3125	407	2030	2031
Road - P - BUS - Coach - Electricity - Euro 10 (2035-39)	2035	2040	100.13		139367.8906	407	2035	2036
Road - P - BUS - Coach - Electricity - Euro 11 (2040-44)	2040	2045	95.22		132537.4688	407	2040	2041
Road - P - BUS - Coach - Electricity - Euro 12 (2045-50)	2045		90.56		126041.8125	407	2045	2046
Road - P - BUS - Coach - Gaseous Hydrogen - Fuel Cell	2030	2035	297.69		152120	0.1	2030	2031
Road - P - BUS - Coach - Gaseous Hydrogen - Fuel Cell	2035	2040	283.10		141048	0.1	2035	2036
Road - P - BUS - Coach - Gaseous Hydrogen - Fuel Cell	2040		269.22		130782	0.1	2040	2041
Road - P - BUS - Coach - Gaseous Hydrogen - Fuel Cell	2020	2025	329.16		176939	0.1	2020	2024
Road - P - BUS - Coach - Gaseous Hydrogen - Fuel Cell	2015	2020	240.72		195746	0.1	2015	2019
Road - P - BUS - Coach - Gaseous Hydrogen - Fuel Cell	2025	2030	313.03		164061	0.1	2025	2026
Rail - P - TRAIN - Light - Diesel - Standard 1	1980	2000	362.20		2500000	0.01	1980	1981
Rail - P - TRAIN - Light - Diesel - Standard 2	2000	2015	330.00		2500000	0.01	2000	2001
Rail - P - TRAIN - Light - Diesel - Standard 3	2015		306.10		2500000	0.01	2015	2016
Rail - P - TRAIN - Light - Electricity - Standard 1	1980	2000	411.60		2500000	1068	1980	1981
Rail - P - TRAIN - Light - Electricity - Standard 2	2000	2015	333.00		2500000	1068	2000	2001
Rail - P - TRAIN - Light - Electricity - Standard 3	2015		308.88		2500000	1068	2015	2016
Rail - P - TRAIN - Regional - Diesel - Standard 1	1980	2000	332.01		5000000	3785	1980	1981
Rail - P - TRAIN - Regional - Diesel - Standard 2	2000	2015	301.34		5000000	3785	2000	2001
Rail - P - TRAIN - Regional - Diesel - Standard 3	2015		280.88		5000000	3785	2015	2016
Rail - P - TRAIN - Regional - Electricity - Standard 1	1980	2000	1258.11		5000000	3014	1980	1981
Rail - P - TRAIN - Regional - Electricity - Standard 2	2000	2015	1017.00		5000000	3014	2000	2001
Rail - P - TRAIN - Regional - Electricity - Standard 3	2015		943.34		5000000	3014	2015	2016

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Rail - P - TRAIN - National - Diesel - Standard 1	1980	2000	430.78		10000000	634	1980	1981
Rail - P - TRAIN - National - Diesel - Standard 2	2000	2015	393.05		10000000	634	2000	2001
Rail - P - TRAIN - National - Diesel - Standard 3	2015		366.37		10000000	634	2015	2016
Rail - P - TRAIN - National - Electricity - Standard 1	1980	2000	1391.67		10000000	317	1980	1981
Rail - P - TRAIN - National - Electricity - Standard 2	2000	2015	1134.00		10000000	317	2000	2001
Rail - P - TRAIN - National - Electricity - Standard 3	2015		1051.86		10000000	317	2015	2016
Rail - P - TRAIN - High Speed - Electricity - Standard 1	1990	2000	3000.00		20000000	317	1990	1991
Rail - P - TRAIN - High Speed - Electricity - Standard 2	2000	2015	2700.00		20000000	317	2000	2004
Rail - P - TRAIN - High Speed - Electricity - Standard 3	2015		2504.44		20000000	317	2015	2016
Air - P - PLANE - General Aviation - Aviation fuel (Jet A-1) - Standard 1	1980		13.57		400000	30	1980	1981
Air - P - PLANE - Short Distance - Liquefied Hydrogen - Standard 3	2025	2035	1980.32		5000000	68	2025	2030
Air - P - PLANE - Short Distance - Liquefied Hydrogen - Euro 10 (2035-39)	2035	2045	1760.28		5000000	136	2035	2040
Air - P - PLANE - Short Distance - Liquefied Hydrogen - Euro 12 (2045-50)	2045		1650.27		5000000	136	2045	2050
Air - P - PLANE - Short Distance - Aviation fuel (Jet A-1) - Standard 1	1985	2005	654.08		4000000	272	1985	1986
Air - P - PLANE - Short Distance - Aviation fuel (Jet A-1) - Standard 2	2005	2015	527.82		4000000	272	2005	2006
Air - P - PLANE - Short Distance - Aviation fuel (Jet A-1) - Euro 6 (2015-19)	2015	2025	484.16		4000000	272	2015	2016
Air - P - PLANE - Short Distance - Aviation fuel (Jet A-1) - Euro 8 (2025-29)	2025	2035	446.31		4000000	272	2025	2026
Air - P - PLANE - Short Distance - Aviation fuel (Jet A-1) - Euro 10 (2035-39)	2035	2045	411.87		4000000	272	2035	2036
Air - P - PLANE - Short Distance - Aviation fuel (Jet A-1) - Euro 12 (2045-50)	2045		380.08		4000000	272	2045	2046
Air - P - PLANE - Middle Distance - Liquefied Hydrogen - Standard 3	2025	2035	1911.69		100000000	69	2025	2030

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Air - P - PLANE - Middle Distance - Liquefied Hydrogen - Euro 10 (2035-39)	2035	2045	1699.28		90438208	138	2035	2040
Air - P - PLANE - Middle Distance - Liquefied Hydrogen - Euro 12 (2045-50)	2045		1593.07		81790704	138	2045	2050
Air - P - PLANE - Middle Distance - Aviation fuel (Jet A-1) - Standard 1	1985	2005	623.86		75000000	275	1985	1986
Air - P - PLANE - Middle Distance - Aviation fuel (Jet A-1) - Standard 2	2005	2015	504.15		75000000	275	2005	2006
Air - P - PLANE - Middle Distance - Aviation fuel (Jet A-1) - Euro 6 (2015-19)	2015	2025	466.63		75000000	275	2015	2016
Air - P - PLANE - Middle Distance - Aviation fuel (Jet A-1) - Euro 8 (2025-29)	2025	2035	430.84		75000000	275	2025	2026
Air - P - PLANE - Middle Distance - Aviation fuel (Jet A-1) - Euro 10 (2035-39)	2035	2045	397.59		75000000	275	2035	2036
Air - P - PLANE - Middle Distance - Aviation fuel (Jet A-1) - Euro 12 (2045-50)	2045		366.91		75000000	275	2045	2046
Air - P - PLANE - Long Distance - Liquefied Hydrogen - Standard 3	2025	2035	3513.13		200000000	21	2025	2030
Air - P - PLANE - Long Distance - Liquefied Hydrogen - Euro 10 (2035-39)	2035	2045	3122.78		180876400	43	2035	2040
Air - P - PLANE - Long Distance - Liquefied Hydrogen - Euro 12 (2045-50)	2045		2927.61		163581408	43	2045	2050
Air - P - PLANE - Long Distance - Aviation fuel (Jet A-1) - Standard 1	1985	2005	1142.33		150000000	85	1985	1986
Air - P - PLANE - Long Distance - Aviation fuel (Jet A-1) - Standard 2	2005	2015	926.49		150000000	85	2005	2006
Air - P - PLANE - Long Distance - Aviation fuel (Jet A-1) - Euro 6 (2015-19)	2015	2025	857.53		150000000	85	2015	2016
Air - P - PLANE - Long Distance - Aviation fuel (Jet A-1) - Euro 8 (2025-29)	2025	2035	791.77		150000000	85	2025	2026

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Air - P - PLANE - Long Distance - Aviation fuel (Jet A-1) - Euro 10 (2035-39)	2035	2045	730.66		150000000	85	2035	2036
Air - P - PLANE - Long Distance - Aviation fuel (Jet A-1) - Euro 12 (2045-50)	2045		674.27		150000000	85	2045	2046
Air - P - PLANE - Supersonic - Liquefied Hydrogen - Standard 3	2025	2035	6636.00		155000000	0.01	2025	2030
Air - P - PLANE - Supersonic - Liquefied Hydrogen - Euro 10 (2035-39)	2035	2045	6400.00		155000000	0.01	2035	2040
Air - P - PLANE - Supersonic - Liquefied Hydrogen - Euro 12 (2045-50)	2045		6200.00		155000000	0.01	2045	2050
Air - P - PLANE - Supersonic - Aviation fuel (Jet A-1) - Standard 1	1980	2005	1640.60		155000000	7	1980	1981
Air - P - PLANE - Supersonic - Aviation fuel (Jet A-1) - Standard 2	2005	2015	1645.50		155000000	1	2005	2006
Air - P - PLANE - Supersonic - Aviation fuel (Jet A-1) - Euro 6 (2015-19)	2015	2025	1645.50		155000000	1	2015	2016
Air - P - PLANE - Supersonic - Aviation fuel (Jet A-1) - Euro 8 (2025-29)	2025	2035	1645.50		155000000	1	2025	2026
Air - P - PLANE - Supersonic - Aviation fuel (Jet A-1) - Euro 10 (2035-39)	2035	2045	1645.50		155000000	1	2035	2036
Air - P - PLANE - Supersonic - Aviation fuel (Jet A-1) - Euro 12 (2045-50)	2045		1645.50		155000000	1	2045	2046
Road - F - TRUCK - PanelSideVan - Gasoline - Conventional (pre-EURO)	1980	1995	16.33		21000	688913	1980	1981
Road - F - TRUCK - PanelSideVan - Gasoline - Euro 1 (1992-96)	1994	1998	15.65		21000	310680	1994	1995
Road - F - TRUCK - PanelSideVan - Gasoline - Euro 2 (1996-2001)	1998	2001	14.52		21000	999592	1998	1999
Road - F - TRUCK - PanelSideVan - Gasoline - Euro 3 (2001-05)	2001	2005	12.66		21000	999592	2001	2002
Road - F - TRUCK - PanelSideVan - Gasoline - Euro 4 (2005-09)	2005	2009	11.62		21000	126720.3	2005	2006
Road - F - TRUCK - PanelSideVan - Gasoline - Euro 5 (2009-14)	2009	2015	10.67		21000	63360.15	2009	2010
Road - F - TRUCK - PanelSideVan - Gasoline - Euro 6 (2015-19)	2015	2020	9.83		21000	12672.03	2015	2016
Road - F - TRUCK - PanelSideVan - Gasoline - Euro 7 (2020-24)	2020	2025	9.12		21000	12672.03	2020	2021
Road - F - TRUCK - PanelSideVan - Gasoline - Euro 8 (2025-29)	2025	2030	8.46		21000	12672.03	2025	2026
Road - F - TRUCK - PanelSideVan - Gasoline - Euro 9 (2030-34)	2030	2035	7.84		21000	12672.03	2030	2031

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - PanelSideVan - Gasoline - Euro 10 (2035-39)	2035	2040	7.27		21000	12672.03	2035	2036
Road - F - TRUCK - PanelSideVan - Gasoline - Euro 11 (2040-44)	2040	2045	6.74		21000	12672.03	2040	2041
Road - F - TRUCK - PanelSideVan - Gasoline - Euro 12 (2045-50)	2045		6.25		21000	12672.03	2045	2046
Road - F - TRUCK - PanelSideVan - Diesel - Conventional (pre-EURO)	1980	1995	13.16		21000	860749	1980	1981
Road - F - TRUCK - PanelSideVan - Diesel - Euro 1 (1992-96)	1994	1998	12.96		21000	406454	1994	1995
Road - F - TRUCK - PanelSideVan - Diesel - Euro 2 (1996-2001)	1998	2001	11.95		21000	1267203	1998	1999
Road - F - TRUCK - PanelSideVan - Diesel - Euro 3 (2001-05)	2001	2005	10.86		21000	1267203	2001	2002
Road - F - TRUCK - PanelSideVan - Diesel - Euro 4 (2005-09)	2005	2009	10.07		21000	1267203	2005	2006
Road - F - TRUCK - PanelSideVan - Diesel - Euro 5 (2009-14)	2009	2015	8.94		21000	1267203	2009	2010
Road - F - TRUCK - PanelSideVan - Diesel - Euro 6 (2015-19)	2015	2020	8.23		21000	1267203	2015	2016
Road - F - TRUCK - PanelSideVan - Diesel - Euro 7 (2020-24)	2020	2025	7.64		21000	1267203	2020	2021
Road - F - TRUCK - PanelSideVan - Diesel - Euro 8 (2025-29)	2025	2030	7.09		21000	1267203	2025	2026
Road - F - TRUCK - PanelSideVan - Diesel - Euro 9 (2030-34)	2030	2035	6.57		21000	1267203	2030	2031
Road - F - TRUCK - PanelSideVan - Diesel - Euro 10 (2035-39)	2035	2040	6.09		21000	1267203	2035	2036
Road - F - TRUCK - PanelSideVan - Diesel - Euro 11 (2040-44)	2040	2045	5.65		21000	1267203	2040	2041
Road - F - TRUCK - PanelSideVan - Diesel - Euro 12 (2045-50)	2045		5.24		21000	1267203	2045	2046
Road - F - TRUCK - PanelSideVan - Diesel - Euro 4 (2005-09) - HEV	2005	2009	6.98		33000	0.1	2005	2006
Road - F - TRUCK - PanelSideVan - Diesel - Euro 5 (2009-14) - HEV	2009	2015	6.25		28600	126.7203	2009	2013
Road - F - TRUCK - PanelSideVan - Diesel - Euro 6 (2015-19) - HEV	2015	2020	5.76		23210	63360.15	2015	2018
Road - F - TRUCK - PanelSideVan - Diesel - Euro 7 (2020-24) - HEV	2020	2025	5.35		23210	12672.03	2020	2021
Road - F - TRUCK - PanelSideVan - Diesel - Euro 8 (2025-29) - HEV	2025	2030	4.96		23210	25344.06	2025	2026
Road - F - TRUCK - PanelSideVan - Diesel - Euro 9 (2030-34) - HEV	2030	2035	4.60		23210	50688.12	2030	2031
Road - F - TRUCK - PanelSideVan - Diesel - Euro 10 (2035-39) - HEV	2035	2040	4.26		23210	50688.12	2035	2036
Road - F - TRUCK - PanelSideVan - Diesel - Euro 11 (2040-44) - HEV	2040	2045	3.95		23210	50688.12	2040	2041
Road - F - TRUCK - PanelSideVan - Diesel - Euro 12 (2045-50) - HEV	2045		3.67		23210	50688.12	2045	2046
Road - F - TRUCK - PanelSideVan - Diesel - Euro 5 (2009-14) - PHEV	2009	2015	5.44	46.99	30000	126.7203	2009	2014

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - PanelSideVan - Diesel - Euro 6 (2015-19) - PHEV	2015	2020	5.11	42.91	26400	63360.15	2015	2019
Road - F - TRUCK - PanelSideVan - Diesel - Euro 7 (2020-24) - PHEV	2020	2025	4.74	39.79	25300	12672.03	2020	2024
Road - F - TRUCK - PanelSideVan - Diesel - Euro 8 (2025-29) - PHEV	2025	2030	4.39	36.89	25300	25344.06	2025	2026
Road - F - TRUCK - PanelSideVan - Diesel - Euro 9 (2030-34) - PHEV	2030	2035	4.07	34.21	25300	50688.12	2030	2031
Road - F - TRUCK - PanelSideVan - Diesel - Euro 10 (2035-39) - PHEV	2035	2040	3.78	31.72	25300	50688.12	2035	2036
Road - F - TRUCK - PanelSideVan - Diesel - Euro 11 (2040-44) - PHEV	2040	2045	3.50	29.41	25300	50688.12	2040	2041
Road - F - TRUCK - PanelSideVan - Diesel - Euro 12 (2045-50) - PHEV	2045		3.30	27.27	25300	50688.12	2045	2046
Road - F - TRUCK - PanelSideVan - Liquefied Petroleum Gas - Euro 3 (2001-05)	2001	2005	20.66		24200	6336.015	2001	2002
Road - F - TRUCK - PanelSideVan - Liquefied Petroleum Gas - Euro 4 (2005-09)	2005	2009	15.22		25300	0	2005	2006
Road - F - TRUCK - PanelSideVan - Liquefied Petroleum Gas - Euro 5 (2009-14)	2009	2015	14.24		24200	126.7203	2009	2010
Road - F - TRUCK - PanelSideVan - Liquefied Petroleum Gas - Euro 6 (2015-19)	2015	2020	13.00		23980	126.7203	2015	2016
Road - F - TRUCK - PanelSideVan - Liquefied Petroleum Gas - Euro 7 (2020-24)	2020	2025	12.06		23760	126.7203	2020	2021
Road - F - TRUCK - PanelSideVan - Liquefied Petroleum Gas - Euro 8 (2025-29)	2025	2030	11.18		23540	126.7203	2025	2026
Road - F - TRUCK - PanelSideVan - Liquefied Petroleum Gas - Euro 9 (2030-34)	2030	2035	10.36		23320	126.7203	2030	2031
Road - F - TRUCK - PanelSideVan - Liquefied Petroleum Gas - Euro 10 (2035-39)	2035	2040	9.61		23100	126.7203	2035	2036
Road - F - TRUCK - PanelSideVan - Liquefied Petroleum Gas - Euro 11 (2040-44)	2040	2045	8.91		23100	126.7203	2040	2041

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - PanelSideVan - Liquefied Petroleum Gas - Euro 12 (2045-50)	2045		8.26		23100	126.7203	2045	2046
Road - F - TRUCK - PanelSideVan - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09)	2005	2009	12.65		24200	0.1	2005	2009
Road - F - TRUCK - PanelSideVan - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	2009	2015	11.66		24200	126.7203	2009	2014
Road - F - TRUCK - PanelSideVan - Bioethanol(85)-petrol(15) blend - Euro 6 (2015-19)	2015	2020	8.44		24200	126.7203	2015	2016
Road - F - TRUCK - PanelSideVan - Bioethanol(85)-petrol(15) blend - Euro 7 (2020-24)	2020	2025	7.83		24200	126.7203	2020	2021
Road - F - TRUCK - PanelSideVan - Bioethanol(85)-petrol(15) blend - Euro 8 (2025-29)	2025	2030	7.26		24200	126.7203	2025	2026
Road - F - TRUCK - PanelSideVan - Bioethanol(85)-petrol(15) blend - Euro 9 (2030-34)	2030	2035	6.73		24200	126.7203	2030	2031
Road - F - TRUCK - PanelSideVan - Bioethanol(85)-petrol(15) blend - Euro 10 (2035-39)	2035	2040	6.24		24200	126.7203	2035	2036
Road - F - TRUCK - PanelSideVan - Bioethanol(85)-petrol(15) blend - Euro 11 (2040-44)	2040	2045	5.79		24200	126.7203	2040	2041
Road - F - TRUCK - PanelSideVan - Bioethanol(85)-petrol(15) blend - Euro 12 (2045-50)	2045		5.37		24200	126.7203	2045	2046
Road - F - TRUCK - PanelSideVan - Biodiesel (FT, synthetic) - Euro 4 (2005-09)	2005	2009	11.78		24200	12.67	2005	2009
Road - F - TRUCK - PanelSideVan - Biodiesel (FT, synthetic) - Euro 5 (2009-14)	2009	2015	10.45		24200	126.7203	2009	2014
Road - F - TRUCK - PanelSideVan - Biodiesel (FT, synthetic) - Euro 6 (2015-19)	2015	2020	8.28		23100	126.7203	2015	2019

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - PanelSideVan - Biodiesel (FT, synthetic) - Euro 7 (2020-24)	2020	2025	7.68		23100	126.7203	2020	2021
Road - F - TRUCK - PanelSideVan - Biodiesel (FT, synthetic) - Euro 8 (2025-29)	2025	2030	7.12		23100	126.7203	2025	2026
Road - F - TRUCK - PanelSideVan - Biodiesel (FT, synthetic) - Euro 9 (2030-34)	2030	2035	6.60		23100	126.7203	2030	2031
Road - F - TRUCK - PanelSideVan - Biodiesel (FT, synthetic) - Euro 10 (2035-39)	2035	2040	6.12		23100	126.7203	2035	2036
Road - F - TRUCK - PanelSideVan - Biodiesel (FT, synthetic) - Euro 11 (2040-44)	2040	2045	5.68		23100	126.7203	2040	2041
Road - F - TRUCK - PanelSideVan - Biodiesel (FT, synthetic) - Euro 12 (2045-50)	2045		5.26		23100	126.7203	2045	2046
Road - F - TRUCK - PanelSideVan - Compressed Natural Gas - Euro 4 (2005-09)	2005	2009	46.29		26400	0	2005	2008
Road - F - TRUCK - PanelSideVan - Compressed Natural Gas - Euro 5 (2009-14)	2009	2015	43.32		25300	126.7203	2009	2014
Road - F - TRUCK - PanelSideVan - Compressed Natural Gas - Euro 6 (2015-19)	2015	2020	39.55		24200	126.7203	2015	2018
Road - F - TRUCK - PanelSideVan - Compressed Natural Gas - Euro 7 (2020-24)	2020	2025	36.67		23980	126.7203	2020	2022
Road - F - TRUCK - PanelSideVan - Compressed Natural Gas - Euro 8 (2025-29)	2025	2030	34.00		23760	126.7203	2025	2027
Road - F - TRUCK - PanelSideVan - Compressed Natural Gas - Euro 9 (2030-34)	2030	2035	31.53		23540	126.7203	2030	2031
Road - F - TRUCK - PanelSideVan - Compressed Natural Gas - Euro 10 (2035-39)	2035	2040	29.23		23320	126.7203	2035	2036

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - PanelSideVan - Compressed Natural Gas - Euro 11 (2040-44)	2040	2045	27.11		23100	126.7203	2040	2041
Road - F - TRUCK - PanelSideVan - Compressed Natural Gas - Euro 12 (2045-50)	2045		25.13		23100	126.7203	2045	2046
Road - F - TRUCK - PanelSideVan - Electricity - Euro 3 (2001-05)	2001	2005	53.76		44000	0.1	1995	2000
Road - F - TRUCK - PanelSideVan - Electricity - Euro 4 (2005-09)	2005	2009	45.94		44000	1267	2005	2015
Road - F - TRUCK - PanelSideVan - Electricity - Euro 5 (2009-14)	2009	2015	40.65		35000	1267.203	2009	2014
Road - F - TRUCK - PanelSideVan - Electricity - Euro 6 (2015-19)	2015	2020	37.13		30000	126720.3	2015	2020
Road - F - TRUCK - PanelSideVan - Electricity - Euro 7 (2020-24)	2020	2025	34.42		28000	126720.3	2020	2021
Road - F - TRUCK - PanelSideVan - Electricity - Euro 8 (2025-29)	2025	2030	31.92		27000	253440.6	2025	2026
Road - F - TRUCK - PanelSideVan - Electricity - Euro 9 (2030-34)	2030	2035	29.60		25000	506881.2	2030	2031
Road - F - TRUCK - PanelSideVan - Electricity - Euro 10 (2035-39)	2035	2040	27.44		24000	506881.2	2035	2036
Road - F - TRUCK - PanelSideVan - Electricity - Euro 11 (2040-44)	2040	2045	25.44		23000	506881.2	2040	2041
Road - F - TRUCK - PanelSideVan - Electricity - Euro 12 (2045-50)	2045		23.59		22000	506881.2	2045	2046
Road - F - TRUCK - PanelSideVan - Gaseous Hydrogen - Fuel Cell - vintage 2035 to 2040	2035	2040	132.15		30000	0.1	2035	2040
Road - F - TRUCK - PanelSideVan - Gaseous Hydrogen - Fuel Cell - vintage 2030 to 2035	2030	2035	153.89		30000	0.1	2030	2035
Road - F - TRUCK - PanelSideVan - Gaseous Hydrogen - Fuel Cell - vintage 2025 to 2030	2025	2030	179.20		35000	0.1	2025	2030
Road - F - TRUCK - PanelSideVan - Gaseous Hydrogen - Fuel Cell - vintage 2020 to 2025	2020	2025	208.68		40000	0.1	2020	2025
Road - F - TRUCK - PanelSideVan - Gaseous Hydrogen - Fuel Cell - vintage 2045 to 2050	2045		97.45		30000	0.1	2045	2050
Road - F - TRUCK - PanelSideVan - Gaseous Hydrogen - Fuel Cell - vintage 2040 to 2045	2040	2045	113.48		30000	0.1	2040	2045

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - Medium - Diesel - Conventional (pre-EURO)	1980	1993	26.35		55000	104672	1980	1981
Road - F - TRUCK - Medium - Diesel - Euro 1 (1992-96)	1992	1996	26.32		55000	49083	1992	1993
Road - F - TRUCK - Medium - Diesel - Euro 2 (1996-2001)	1996	2000	26.03		55000	153755	1996	1997
Road - F - TRUCK - Medium - Diesel - Euro 3 (2001-05)	2000	2005	25.11		55000	153755	2000	2001
Road - F - TRUCK - Medium - Diesel - Euro 4 (2005-09)	2005	2009	23.34		55000	153755	2005	2006
Road - F - TRUCK - Medium - Diesel - Euro 5 (2009-14)	2009	2015	22.03		55000	153755	2009	2010
Road - F - TRUCK - Medium - Diesel - Euro 6 (2015-19)	2015	2020	20.28		55000	153755	2015	2016
Road - F - TRUCK - Medium - Diesel - Euro 7 (2020-24)	2020	2025	18.82		55000	153755	2020	2021
Road - F - TRUCK - Medium - Diesel - Euro 8 (2025-29)	2025	2030	17.45		55000	153755	2025	2026
Road - F - TRUCK - Medium - Diesel - Euro 9 (2030-34)	2030	2035	16.18		55000	153755	2030	2031
Road - F - TRUCK - Medium - Diesel - Euro 10 (2035-39)	2035	2040	15.01		55000	153755	2035	2036
Road - F - TRUCK - Medium - Diesel - Euro 11 (2040-44)	2040	2045	13.91		55000	153755	2040	2041
Road - F - TRUCK - Medium - Diesel - Euro 12 (2045-50)	2045		12.90		55000	153755	2045	2046
Road - F - TRUCK - Medium - Diesel - Euro 5 (2009-14) - HEV	2009		14.23		60500	15376	2009	2014
Road - F - TRUCK - Medium - Liquefied Petroleum Gas - Euro 3 (2001-05)	2000	2005	46.06		66000	2460.08	2000	2001
Road - F - TRUCK - Medium - Liquefied Petroleum Gas - Euro 4 (2005-09)	2005	2009	48.44		63250	0	2005	2006
Road - F - TRUCK - Medium - Liquefied Petroleum Gas - Euro 5 (2009-14)	2009	2015	46.76		60500	0	2009	2010
Road - F - TRUCK - Medium - Liquefied Petroleum Gas - Euro 6 (2015-19)	2015	2020	38.63		59950	0	2015	2016
Road - F - TRUCK - Medium - Liquefied Petroleum Gas - Euro 7 (2020-24)	2020	2025	35.82		59400	0	2020	2021
Road - F - TRUCK - Medium - Liquefied Petroleum Gas - Euro 8 (2025-29)	2025	2030	33.21		58850	0	2025	2026

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - Medium - Liquefied Petroleum Gas - Euro 9 (2030-34)	2030	2035	30.80		58300	0	2030	2031
Road - F - TRUCK - Medium - Liquefied Petroleum Gas - Euro 10 (2035-39)	2035	2040	28.56		57750	0	2035	2036
Road - F - TRUCK - Medium - Liquefied Petroleum Gas - Euro 11 (2040-44)	2040	2045	26.48		57750	0	2040	2041
Road - F - TRUCK - Medium - Liquefied Petroleum Gas - Euro 12 (2045-50)	2045		24.55		57750	0	2045	2046
Road - F - TRUCK - Medium - Biodiesel (FT, synthetic) - Euro 4 (2005-09)	2005	2009	28.49		60500	15.38	2005	2009
Road - F - TRUCK - Medium - Biodiesel (FT, synthetic) - Euro 5 (2009-14)	2009	2020	26.98		57750	153.8	2009	2015
Road - F - TRUCK - Medium - Biodiesel (FT, synthetic) - Euro 7 (2020-24)	2020	2030	23.04		57750	1538	2020	2025
Road - F - TRUCK - Medium - Biodiesel (FT, synthetic) - Euro 9 (2030-34)	2030		19.81		57750	1538	2030	2035
Road - F - TRUCK - Medium - Compressed Natural Gas - Euro 4 (2005-09)	2005	2009	147.52		66000	0	2005	2008
Road - F - TRUCK - Medium - Compressed Natural Gas - Euro 5 (2009-14)	2009	2015	142.27		63250	0	2009	2014
Road - F - TRUCK - Medium - Compressed Natural Gas - Euro 6 (2015-19)	2015	2020	117.52		60500	0	2015	2018
Road - F - TRUCK - Medium - Compressed Natural Gas - Euro 7 (2020-24)	2020	2025	108.96		59950	0	2020	2022
Road - F - TRUCK - Medium - Compressed Natural Gas - Euro 8 (2025-29)	2025	2030	101.03		59400	0	2025	2027

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - Medium - Compressed Natural Gas - Euro 9 (2030-34)	2030	2035	93.68		58850	0	2030	2031
Road - F - TRUCK - Medium - Compressed Natural Gas - Euro 10 (2035-39)	2035	2040	86.86		58300	0	2035	2036
Road - F - TRUCK - Medium - Compressed Natural Gas - Euro 11 (2040-44)	2040	2045	80.54		57750	0	2040	2041
Road - F - TRUCK - Medium - Compressed Natural Gas - Euro 12 (2045-50)	2045		74.68		57750	0	2045	2046
Road - F - TRUCK - Medium - Electricity - Standard 1	2015	2025	93.47		75000	1922	2015	2020
Road - F - TRUCK - Medium - Electricity - Standard 2	2025	2035	80.36		61280.46094	7688	2025	2030
Road - F - TRUCK - Medium - Electricity - Standard 3	2035		69.08		55420.94922	7688	2035	2036
Road - F - TRUCK - Medium - Gaseous Hydrogen - Fuel Cell	2020	2025	208.69		82500	0.1	2020	2024
Road - F - TRUCK - Medium - Gaseous Hydrogen - Fuel Cell	2045		87.73		63250	0.1	2045	2046
Road - F - TRUCK - Medium - Gaseous Hydrogen - Fuel Cell	2040	2045	102.16		63250	0.1	2040	2041
Road - F - TRUCK - Medium - Gaseous Hydrogen - Fuel Cell	2035	2040	118.96		63250	0.1	2035	2036
Road - F - TRUCK - Medium - Gaseous Hydrogen - Fuel Cell	2030	2035	138.53		66000	0.1	2030	2031
Road - F - TRUCK - Medium - Gaseous Hydrogen - Fuel Cell	2025	2030	161.32		71500	0.1	2025	2026
Road - F - TRUCK - Medium - Liquefied Hydrogen - Euro 4 (2005-09)	2010		87.03		71500	0.1	2010	2015
Road - F - TRUCK - Heavy - Diesel - Conventional (pre-EURO)	1980	1993	38.51		100000	162767	1980	1981
Road - F - TRUCK - Heavy - Diesel - Euro 1 (1992-96)	1992	1996	38.47		100000	76430	1992	1993
Road - F - TRUCK - Heavy - Diesel - Euro 2 (1996-2001)	1996	2000	38.04		100000	239197	1996	1997
Road - F - TRUCK - Heavy - Diesel - Euro 3 (2001-05)	2000	2005	36.69		100000	239197	2000	2001
Road - F - TRUCK - Heavy - Diesel - Euro 4 (2005-09)	2005	2009	34.11		100000	239197	2005	2006
Road - F - TRUCK - Heavy - Diesel - Euro 5 (2009-14)	2009	2015	32.19		100000	239197	2009	2010

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - Heavy - Diesel - Euro 6 (2015-19)	2015	2020	29.64		100000	239197	2015	2016
Road - F - TRUCK - Heavy - Diesel - Euro 7 (2020-24)	2020	2025	27.51		100000	239197	2020	2021
Road - F - TRUCK - Heavy - Diesel - Euro 8 (2025-29)	2025	2030	25.51		100000	239197	2025	2026
Road - F - TRUCK - Heavy - Diesel - Euro 9 (2030-34)	2030	2035	23.65		100000	239197	2030	2031
Road - F - TRUCK - Heavy - Diesel - Euro 10 (2035-39)	2035	2040	21.93		100000	239197	2035	2036
Road - F - TRUCK - Heavy - Diesel - Euro 11 (2040-44)	2040	2045	20.34		100000	239197	2040	2041
Road - F - TRUCK - Heavy - Diesel - Euro 12 (2045-50)	2045		18.86		100000	239197	2045	2046
Road - F - TRUCK - Heavy - Diesel - Euro 5 (2009-14) - HEV	2009	2020	20.97		105000	2392	2009	2014
Road - F - TRUCK - Heavy - Diesel - Euro 7 (2020-24) - HEV	2020		17.87		105000	23920	2020	2025
Road - F - TRUCK - Heavy - Liquefied Petroleum Gas - Euro 3 (2001-05)	2000	2005	67.32		120000	3827.152	2000	2001
Road - F - TRUCK - Heavy - Liquefied Petroleum Gas - Euro 4 (2005-09)	2005	2009	70.80		115000	0	2005	2006
Road - F - TRUCK - Heavy - Liquefied Petroleum Gas - Euro 5 (2009-14)	2009	2015	68.35		110000	0	2009	2010
Road - F - TRUCK - Heavy - Liquefied Petroleum Gas - Euro 6 (2015-19)	2015	2020	56.46		109000	0	2015	2016
Road - F - TRUCK - Heavy - Liquefied Petroleum Gas - Euro 7 (2020-24)	2020	2025	52.35		108000	0	2020	2021
Road - F - TRUCK - Heavy - Liquefied Petroleum Gas - Euro 8 (2025-29)	2025	2030	48.54		107000	0	2025	2026
Road - F - TRUCK - Heavy - Liquefied Petroleum Gas - Euro 9 (2030-34)	2030	2035	45.01		106000	0	2030	2031
Road - F - TRUCK - Heavy - Liquefied Petroleum Gas - Euro 10 (2035-39)	2035	2040	41.73		105000	0	2035	2036
Road - F - TRUCK - Heavy - Liquefied Petroleum Gas - Euro 11 (2040-44)	2040	2045	38.70		105000	0	2040	2041
Road - F - TRUCK - Heavy - Liquefied Petroleum Gas - Euro 12 (2045-50)	2045		35.88		105000	0	2045	2046
Road - F - TRUCK - Heavy - Biodiesel (FT, synthetic) - Euro 4 (2005-09)	2005	2009	43.75		110000	23.92	2005	2009
Road - F - TRUCK - Heavy - Biodiesel (FT, synthetic) - Euro 5 (2009-14)	2009	2020	41.40		105000	239.2	2009	2015
Road - F - TRUCK - Heavy - Biodiesel (FT, synthetic) - Euro 7 (2020-24)	2020	2030	35.35		105000	2392	2020	2025
Road - F - TRUCK - Heavy - Biodiesel (FT, synthetic) - Euro 9 (2030-34)	2030		30.39		105000	2392	2030	2035

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - Heavy - Compressed Natural Gas - Euro 4 (2005-09)	2005	2009	215.61		120000	0	2005	2008
Road - F - TRUCK - Heavy - Compressed Natural Gas - Euro 5 (2009-14)	2009	2015	207.94		115000	0	2009	2014
Road - F - TRUCK - Heavy - Compressed Natural Gas - Euro 6 (2015-19)	2015	2020	171.75		110000	0	2015	2018
Road - F - TRUCK - Heavy - Compressed Natural Gas - Euro 7 (2020-24)	2020	2025	159.25		109000	0	2020	2022
Road - F - TRUCK - Heavy - Compressed Natural Gas - Euro 8 (2025-29)	2025	2030	147.66		108000	0	2025	2027
Road - F - TRUCK - Heavy - Compressed Natural Gas - Euro 9 (2030-34)	2030	2035	136.91		107000	0	2030	2031
Road - F - TRUCK - Heavy - Compressed Natural Gas - Euro 10 (2035-39)	2035	2040	126.95		106000	0	2035	2036
Road - F - TRUCK - Heavy - Compressed Natural Gas - Euro 11 (2040-44)	2040	2045	117.71		105000	0	2040	2041
Road - F - TRUCK - Heavy - Compressed Natural Gas - Euro 12 (2045-50)	2045		109.14		105000	0	2045	2046
Road - F - TRUCK - Heavy - Gaseous Hydrogen - Fuel Cell	2045		109.66		115000	2392	2045	2046
Road - F - TRUCK - Heavy - Gaseous Hydrogen - Fuel Cell	2025	2030	201.65		125000	2392	2025	2029
Road - F - TRUCK - Heavy - Gaseous Hydrogen - Fuel Cell	2030	2035	173.17		120000	2392	2030	2031
Road - F - TRUCK - Heavy - Gaseous Hydrogen - Fuel Cell	2040	2045	127.70		115000	2392	2040	2041
Road - F - TRUCK - Heavy - Gaseous Hydrogen - Fuel Cell	2035	2040	148.70		115000	2392	2035	2036
Road - F - TRUCK - Heavy - Gaseous Hydrogen - Fuel Cell	2020	2025	260.86		130000	0.1	2020	2024
Road - F - TRUCK - Heavy - Liquefied Hydrogen - Euro 4 (2005-09)	2010		127.19		110000	0.1	2010	2015

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - CarDerivedVan - Gasoline - Euro 1 (1992-96) - vintage 1994 to 1998	1994	1998	11.75		21000	310680	1994	1995
Road - F - TRUCK - CarDerivedVan - Gasoline - Euro 2 (1996-2001) - vintage 1998 to 2001	1998	2001	11.40		21000	999592	1998	1999
Road - F - TRUCK - CarDerivedVan - Gasoline - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	10.45		21000	999592	2001	2002
Road - F - TRUCK - CarDerivedVan - Gasoline - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	9.94		21000	126720.3	2005	2006
Road - F - TRUCK - CarDerivedVan - Gasoline - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	8.55		21000	63360.15	2009	2010
Road - F - TRUCK - CarDerivedVan - Gasoline - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	7.87		21000	12672.03	2015	2016
Road - F - TRUCK - CarDerivedVan - Gasoline - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	7.31		21000	12672.03	2020	2021
Road - F - TRUCK - CarDerivedVan - Gasoline - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	6.78		21000	12672.03	2025	2026
Road - F - TRUCK - CarDerivedVan - Gasoline - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.29		21000	12672.03	2030	2031
Road - F - TRUCK - CarDerivedVan - Gasoline - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	5.83		21000	12672.03	2035	2036
Road - F - TRUCK - CarDerivedVan - Gasoline - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.40		21000	12672.03	2040	2041
Road - F - TRUCK - CarDerivedVan - Gasoline - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.01		21000	12672.03	2045	2046
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 1 (1992-96) - vintage 1994 to 1998	1994	1998	9.36		22000	406454	1994	1995

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 2 (1996-2001) - vintage 1998 to 2001	1998	2001	8.66		22000	1267203	1998	1999
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	7.97		22000	1267203	2001	2002
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	7.63		22000	1267203	2005	2006
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	6.59		22000	1267203	2009	2010
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	6.07		22000	1267203	2015	2016
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	5.64		22000	1267203	2020	2021
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	5.23		22000	1267203	2025	2026
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	4.85		22000	1267203	2030	2031
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	4.49		22000	1267203	2035	2036
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	4.17		22000	1267203	2040	2041
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 12 (2045-50) - vintage 2045 to 2050	2045		3.86		22000	1267203	2045	2046
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 4 (2005-09) - HEV - vintage 2005 to 2009	2005	2009	5.28		33000	0.1	2005	2006
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 5 (2009-14) - HEV - vintage 2009 to 2015	2009	2015	4.61		28600	126.7203	2009	2010

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 6 (2015-19) - HEV - vintage 2015 to 2020	2015	2020	4.25		26400	63360.15	2015	2016
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 7 (2020-24) - HEV - vintage 2020 to 2025	2020	2025	3.95		24200	12672.03	2020	2021
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 8 (2025-29) - HEV - vintage 2025 to 2030	2025	2030	3.66		23000	25344.06	2025	2026
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 9 (2030-34) - HEV - vintage 2030 to 2035	2030	2035	3.39		23000	50688.12	2030	2031
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 10 (2035-39) - HEV - vintage 2035 to 2040	2035	2040	3.15		23000	50688.12	2035	2036
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 11 (2040-44) - HEV - vintage 2040 to 2045	2040	2045	2.92		23000	50688.12	2040	2041
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 12 (2045-50) - HEV - vintage 2045 to 2050	2045		2.70		23000	50688.12	2045	2046
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 5 (2009-14) - PHEV - vintage 2009 to 2015	2009	2015	4.01	46.99	30000	126.7203	2009	2010
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 6 (2015-19) - PHEV - vintage 2015 to 2020	2015	2020	3.77	42.91	28600	63360.15	2015	2016
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 7 (2020-24) - PHEV - vintage 2020 to 2025	2020	2025	3.49	39.79	26400	12672.03	2020	2021
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 8 (2025-29) - PHEV - vintage 2025 to 2030	2025	2030	3.24	36.89	25300	25344.06	2025	2026
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 9 (2030-34) - PHEV - vintage 2030 to 2035	2030	2035	3.00	34.21	24000	50688.12	2030	2031
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 10 (2035-39) - PHEV - vintage 2035 to 2040	2035	2040	2.79	31.72	24000	50688.12	2035	2036

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 11 (2040-44) - PHEV - vintage 2040 to 2045	2040	2045	2.58	29.41	24000	50688.12	2040	2041
Road - F - TRUCK - CarDerivedVan - Diesel - Euro 12 (2045-50) - PHEV - vintage 2045 to 2050	2045		2.43	27.27	24000	50688.12	2045	2046
Road - F - TRUCK - CarDerivedVan - Liquefied Petroleum Gas - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	17.05		24200	6336.015	2001	2002
Road - F - TRUCK - CarDerivedVan - Liquefied Petroleum Gas - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	15.22		25300	0	2005	2006
Road - F - TRUCK - CarDerivedVan - Liquefied Petroleum Gas - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	14.24		24200	126.7203	2009	2010
Road - F - TRUCK - CarDerivedVan - Liquefied Petroleum Gas - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	13.00		23980	126.7203	2015	2016
Road - F - TRUCK - CarDerivedVan - Liquefied Petroleum Gas - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	12.06		23760	126.7203	2020	2021
Road - F - TRUCK - CarDerivedVan - Liquefied Petroleum Gas - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	11.18		23540	126.7203	2025	2026
Road - F - TRUCK - CarDerivedVan - Liquefied Petroleum Gas - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	10.36		23320	126.7203	2030	2031
Road - F - TRUCK - CarDerivedVan - Liquefied Petroleum Gas - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	9.61		23100	126.7203	2035	2036
Road - F - TRUCK - CarDerivedVan - Liquefied Petroleum Gas - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	8.91		23100	126.7203	2040	2041
Road - F - TRUCK - CarDerivedVan - Liquefied Petroleum Gas - Euro 12 (2045-50) - vintage 2045 to 2050	2045		8.26		23100	126.7203	2045	2046
Road - F - TRUCK - CarDerivedVan - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	10.80		24200	0.1	2005	2006

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - CarDerivedVan - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	9.34		24200	126.7203	2009	2010
Road - F - TRUCK - CarDerivedVan - Bioethanol(85)-petrol(15) blend - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.64		24200	126.7203	2015	2016
Road - F - TRUCK - CarDerivedVan - Bioethanol(85)-petrol(15) blend - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	8.01		24200	126.7203	2020	2021
Road - F - TRUCK - CarDerivedVan - Bioethanol(85)-petrol(15) blend - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.43		24200	126.7203	2025	2026
Road - F - TRUCK - CarDerivedVan - Bioethanol(85)-petrol(15) blend - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.88		24200	126.7203	2030	2031
Road - F - TRUCK - CarDerivedVan - Bioethanol(85)-petrol(15) blend - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.38		24200	126.7203	2035	2036
Road - F - TRUCK - CarDerivedVan - Bioethanol(85)-petrol(15) blend - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.92		24200	126.7203	2040	2041
Road - F - TRUCK - CarDerivedVan - Bioethanol(85)-petrol(15) blend - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.49		24200	126.7203	2045	2046
Road - F - TRUCK - CarDerivedVan - Biodiesel (FT, synthetic) - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	8.92		24200	12.67	2005	2006
Road - F - TRUCK - CarDerivedVan - Biodiesel (FT, synthetic) - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	7.71		24200	126.7203	2009	2010
Road - F - TRUCK - CarDerivedVan - Biodiesel (FT, synthetic) - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.30		23100	126.7203	2015	2016
Road - F - TRUCK - CarDerivedVan - Biodiesel (FT, synthetic) - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	7.70		23100	126.7203	2020	2021
Road - F - TRUCK - CarDerivedVan - Biodiesel (FT, synthetic) - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.14		23100	126.7203	2025	2026

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - CarDerivedVan - Biodiesel (FT, synthetic) - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.62		23100	126.7203	2030	2031
Road - F - TRUCK - CarDerivedVan - Biodiesel (FT, synthetic) - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.14		23100	126.7203	2035	2036
Road - F - TRUCK - CarDerivedVan - Biodiesel (FT, synthetic) - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.69		23100	126.7203	2040	2041
Road - F - TRUCK - CarDerivedVan - Biodiesel (FT, synthetic) - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.27		23100	126.7203	2045	2046
Road - F - TRUCK - CarDerivedVan - Compressed Natural Gas - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	46.29		26400	0	2005	2006
Road - F - TRUCK - CarDerivedVan - Compressed Natural Gas - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	43.32		25300	126.7203	2009	2010
Road - F - TRUCK - CarDerivedVan - Compressed Natural Gas - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	39.55		24200	126.7203	2015	2016
Road - F - TRUCK - CarDerivedVan - Compressed Natural Gas - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	36.67		23980	126.7203	2020	2021
Road - F - TRUCK - CarDerivedVan - Compressed Natural Gas - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	34.00		23760	126.7203	2025	2026
Road - F - TRUCK - CarDerivedVan - Compressed Natural Gas - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	31.53		23540	126.7203	2030	2031
Road - F - TRUCK - CarDerivedVan - Compressed Natural Gas - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	29.23		23320	126.7203	2035	2036
Road - F - TRUCK - CarDerivedVan - Compressed Natural Gas - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	27.11		23100	126.7203	2040	2041
Road - F - TRUCK - CarDerivedVan - Compressed Natural Gas - Euro 12 (2045-50) - vintage 2045 to 2050	2045		25.13		23100	126.7203	2045	2046

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - CarDerivedVan - Electricity - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	39.47		44000	0.1	2001	2002
Road - F - TRUCK - CarDerivedVan - Electricity - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	34.80		40000	1267	2005	2006
Road - F - TRUCK - CarDerivedVan - Electricity - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	30.00		35000	1267.203	2009	2010
Road - F - TRUCK - CarDerivedVan - Electricity - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	27.39		30000	126720.3	2015	2016
Road - F - TRUCK - CarDerivedVan - Electricity - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	25.40		26000	126720.3	2020	2021
Road - F - TRUCK - CarDerivedVan - Electricity - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	23.55		25000	253440.6	2025	2026
Road - F - TRUCK - CarDerivedVan - Electricity - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	21.84		24000	506881.2	2030	2031
Road - F - TRUCK - CarDerivedVan - Electricity - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	20.25		23000	506881.2	2035	2036
Road - F - TRUCK - CarDerivedVan - Electricity - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	18.77		22000	506881.2	2040	2041
Road - F - TRUCK - CarDerivedVan - Electricity - Euro 12 (2045-50) - vintage 2045 to 2050	2045		17.41		22000	506881.2	2045	2046
Road - F - TRUCK - CarDerivedVan - Gaseous Hydrogen - Fuel Cell - vintage 2030 to 2035	2030	2035	153.89		30000	0.1	2030	2031
Road - F - TRUCK - CarDerivedVan - Gaseous Hydrogen - Fuel Cell - vintage 2045 to 2050	2045		97.45		30000	0.1	2045	2046
Road - F - TRUCK - CarDerivedVan - Gaseous Hydrogen - Fuel Cell - vintage 2020 to 2025	2020	2025	208.68		40000	0.1	2020	2021

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - CarDerivedVan - Gaseous Hydrogen - Fuel Cell - vintage 2035 to 2040	2035	2040	132.15		30000	0.1	2035	2036
Road - F - TRUCK - CarDerivedVan - Gaseous Hydrogen - Fuel Cell - vintage 2025 to 2030	2025	2030	179.20		35000	0.1	2025	2026
Road - F - TRUCK - CarDerivedVan - Gaseous Hydrogen - Fuel Cell - vintage 2040 to 2045	2040	2045	113.48		30000	0.1	2040	2041
Road - F - TRUCK - Pickup4x4Van - Gasoline - Euro 1 (1992-96) - vintage 1994 to 1998	1994	1998	15.25		21000	310680	1994	1995
Road - F - TRUCK - Pickup4x4Van - Gasoline - Euro 2 (1996-2001) - vintage 1998 to 2001	1998	2001	14.53		21000	999592	1998	1999
Road - F - TRUCK - Pickup4x4Van - Gasoline - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	13.64		21000	999592	2001	2002
Road - F - TRUCK - Pickup4x4Van - Gasoline - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	12.40		21000	126720.3	2005	2006
Road - F - TRUCK - Pickup4x4Van - Gasoline - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	11.00		21000	63360.15	2009	2010
Road - F - TRUCK - Pickup4x4Van - Gasoline - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	10.14		21000	12672.03	2015	2016
Road - F - TRUCK - Pickup4x4Van - Gasoline - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	9.41		21000	12672.03	2020	2021
Road - F - TRUCK - Pickup4x4Van - Gasoline - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	8.73		21000	12672.03	2025	2026
Road - F - TRUCK - Pickup4x4Van - Gasoline - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	8.09		21000	12672.03	2030	2031
Road - F - TRUCK - Pickup4x4Van - Gasoline - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	7.50		21000	12672.03	2035	2036

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - Pickup4x4Van - Gasoline - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	6.96		21000	12672.03	2040	2041
Road - F - TRUCK - Pickup4x4Van - Gasoline - Euro 12 (2045-50) - vintage 2045 to 2050	2045		6.45		21000	12672.03	2045	2046
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 1 (1992-96) - vintage 1994 to 1998	1994	1998	13.36		22000	406454	1994	1995
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 2 (1996-2001) - vintage 1998 to 2001	1998	2001	12.43		22000	1267203	1998	1999
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	11.38		22000	1267203	2001	2002
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	10.64		22000	1267203	2005	2006
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	9.33		22000	1267203	2009	2010
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.60		22000	1267203	2015	2016
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	7.98		22000	1267203	2020	2021
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.40		22000	1267203	2025	2026
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.86		22000	1267203	2030	2031
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.36		22000	1267203	2035	2036
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.90		22000	1267203	2040	2041

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.47		22000	1267203	2045	2046
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 4 (2005-09) - HEV - vintage 2005 to 2009	2005	2009	7.36		33000	0.1	2005	2006
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 5 (2009-14) - HEV - vintage 2009 to 2015	2009	2015	6.53		28600	126.7203	2009	2010
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 6 (2015-19) - HEV - vintage 2015 to 2020	2015	2020	6.02		26400	63360.15	2015	2016
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 7 (2020-24) - HEV - vintage 2020 to 2025	2020	2025	5.59		24200	12672.03	2020	2021
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 8 (2025-29) - HEV - vintage 2025 to 2030	2025	2030	5.18		23000	25344.06	2025	2026
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 9 (2030-34) - HEV - vintage 2030 to 2035	2030	2035	4.80		23000	50688.12	2030	2031
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 10 (2035-39) - HEV - vintage 2035 to 2040	2035	2040	4.45		23000	50688.12	2035	2036
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 11 (2040-44) - HEV - vintage 2040 to 2045	2040	2045	4.13		23000	50688.12	2040	2041
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 12 (2045-50) - HEV - vintage 2045 to 2050	2045		3.83		23000	50688.12	2045	2046
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 5 (2009-14) - PHEV - vintage 2009 to 2015	2009	2015	5.68	46.99	30000	126.7203	2009	2010
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 6 (2015-19) - PHEV - vintage 2015 to 2020	2015	2020	5.34	42.91	28600	63360.15	2015	2016
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 7 (2020-24) - PHEV - vintage 2020 to 2025	2020	2025	4.95	39.79	26400	12672.03	2020	2021

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 8 (2025-29) - PHEV - vintage 2025 to 2030	2025	2030	4.59	36.89	25300	25344.06	2025	2026
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 9 (2030-34) - PHEV - vintage 2030 to 2035	2030	2035	4.25	34.21	24000	50688.12	2030	2031
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 10 (2035-39) - PHEV - vintage 2035 to 2040	2035	2040	3.94	31.72	24000	50688.12	2035	2036
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 11 (2040-44) - PHEV - vintage 2040 to 2045	2040	2045	3.66	29.41	24000	50688.12	2040	2041
Road - F - TRUCK - Pickup4x4Van - Diesel - Euro 12 (2045-50) - PHEV - vintage 2045 to 2050	2045		3.44	27.27	24000	50688.12	2045	2046
Road - F - TRUCK - Pickup4x4Van - Liquified Petroleum Gas - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	22.24		24200	6336.015	2001	2002
Road - F - TRUCK - Pickup4x4Van - Liquified Petroleum Gas - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	15.22		25300	0	2005	2006
Road - F - TRUCK - Pickup4x4Van - Liquified Petroleum Gas - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	14.24		24200	126.7203	2009	2010
Road - F - TRUCK - Pickup4x4Van - Liquified Petroleum Gas - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	13.00		23980	126.7203	2015	2016
Road - F - TRUCK - Pickup4x4Van - Liquified Petroleum Gas - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	12.06		23760	126.7203	2020	2021
Road - F - TRUCK - Pickup4x4Van - Liquified Petroleum Gas - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	11.18		23540	126.7203	2025	2026
Road - F - TRUCK - Pickup4x4Van - Liquified Petroleum Gas - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	10.36		23320	126.7203	2030	2031
Road - F - TRUCK - Pickup4x4Van - Liquified Petroleum Gas - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	9.61		23100	126.7203	2035	2036

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - Pickup4x4Van - Liquefied Petroleum Gas - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	8.91		23100	126.7203	2040	2041
Road - F - TRUCK - Pickup4x4Van - Liquefied Petroleum Gas - Euro 12 (2045-50) - vintage 2045 to 2050	2045		8.26		23100	126.7203	2045	2046
Road - F - TRUCK - Pickup4x4Van - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	13.49		24200	0.1	2005	2006
Road - F - TRUCK - Pickup4x4Van - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	12.02		24200	126.7203	2009	2010
Road - F - TRUCK - Pickup4x4Van - Bioethanol(85)-petrol(15) blend - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.64		24200	126.7203	2015	2016
Road - F - TRUCK - Pickup4x4Van - Bioethanol(85)-petrol(15) blend - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	8.01		24200	126.7203	2020	2021
Road - F - TRUCK - Pickup4x4Van - Bioethanol(85)-petrol(15) blend - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.43		24200	126.7203	2025	2026
Road - F - TRUCK - Pickup4x4Van - Bioethanol(85)-petrol(15) blend - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.88		24200	126.7203	2030	2031
Road - F - TRUCK - Pickup4x4Van - Bioethanol(85)-petrol(15) blend - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.38		24200	126.7203	2035	2036
Road - F - TRUCK - Pickup4x4Van - Bioethanol(85)-petrol(15) blend - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.92		24200	126.7203	2040	2041
Road - F - TRUCK - Pickup4x4Van - Bioethanol(85)-petrol(15) blend - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.49		24200	126.7203	2045	2046
Road - F - TRUCK - Pickup4x4Van - Biodiesel (FT, synthetic) - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	12.43		24200	12.67	2005	2006
Road - F - TRUCK - Pickup4x4Van - Biodiesel (FT, synthetic) - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	10.92		24200	126.7203	2009	2010

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - Pickup4x4Van - Biodiesel (FT, synthetic) - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.30		23100	126.7203	2015	2016
Road - F - TRUCK - Pickup4x4Van - Biodiesel (FT, synthetic) - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	7.70		23100	126.7203	2020	2021
Road - F - TRUCK - Pickup4x4Van - Biodiesel (FT, synthetic) - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.14		23100	126.7203	2025	2026
Road - F - TRUCK - Pickup4x4Van - Biodiesel (FT, synthetic) - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.62		23100	126.7203	2030	2031
Road - F - TRUCK - Pickup4x4Van - Biodiesel (FT, synthetic) - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.14		23100	126.7203	2035	2036
Road - F - TRUCK - Pickup4x4Van - Biodiesel (FT, synthetic) - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.69		23100	126.7203	2040	2041
Road - F - TRUCK - Pickup4x4Van - Biodiesel (FT, synthetic) - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.27		23100	126.7203	2045	2046
Road - F - TRUCK - Pickup4x4Van - Compressed Natural Gas - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	46.29		26400	0	2005	2006
Road - F - TRUCK - Pickup4x4Van - Compressed Natural Gas - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	43.32		25300	126.7203	2009	2010
Road - F - TRUCK - Pickup4x4Van - Compressed Natural Gas - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	39.55		24200	126.7203	2015	2016
Road - F - TRUCK - Pickup4x4Van - Compressed Natural Gas - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	36.67		23980	126.7203	2020	2021
Road - F - TRUCK - Pickup4x4Van - Compressed Natural Gas - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	34.00		23760	126.7203	2025	2026
Road - F - TRUCK - Pickup4x4Van - Compressed Natural Gas - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	31.53		23540	126.7203	2030	2031

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - Pickup4x4Van - Compressed Natural Gas - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	29.23		23320	126.7203	2035	2036
Road - F - TRUCK - Pickup4x4Van - Compressed Natural Gas - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	27.11		23100	126.7203	2040	2041
Road - F - TRUCK - Pickup4x4Van - Compressed Natural Gas - Euro 12 (2045-50) - vintage 2045 to 2050	2045		25.13		23100	126.7203	2045	2046
Road - F - TRUCK - Pickup4x4Van - Electricity - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	56.35		44000	0.1	2001	2002
Road - F - TRUCK - Pickup4x4Van - Electricity - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	48.54		40000	1267	2005	2006
Road - F - TRUCK - Pickup4x4Van - Electricity - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	42.47		35000	1267.203	2009	2010
Road - F - TRUCK - Pickup4x4Van - Electricity - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	38.79		30000	126720.3	2015	2016
Road - F - TRUCK - Pickup4x4Van - Electricity - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	35.96		26000	126720.3	2020	2021
Road - F - TRUCK - Pickup4x4Van - Electricity - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	33.35		25000	253440.6	2025	2026
Road - F - TRUCK - Pickup4x4Van - Electricity - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	30.92		24000	506881.2	2030	2031
Road - F - TRUCK - Pickup4x4Van - Electricity - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	28.67		23000	506881.2	2035	2036
Road - F - TRUCK - Pickup4x4Van - Electricity - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	26.58		22000	506881.2	2040	2041
Road - F - TRUCK - Pickup4x4Van - Electricity - Euro 12 (2045-50) - vintage 2045 to 2050	2045		24.65		22000	506881.2	2045	2046

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - Pickup4x4Van - Gaseous Hydrogen - Fuel Cell - vintage 2045 to 2050	2045		97.45		30000	0.1	2045	2046
Road - F - TRUCK - Pickup4x4Van - Gaseous Hydrogen - Fuel Cell - vintage 2020 to 2025	2020	2025	208.68		40000	0.1	2020	2021
Road - F - TRUCK - Pickup4x4Van - Gaseous Hydrogen - Fuel Cell - vintage 2025 to 2030	2025	2030	179.20		35000	0.1	2025	2026
Road - F - TRUCK - Pickup4x4Van - Gaseous Hydrogen - Fuel Cell - vintage 2030 to 2035	2030	2035	153.89		30000	0.1	2030	2031
Road - F - TRUCK - Pickup4x4Van - Gaseous Hydrogen - Fuel Cell - vintage 2035 to 2040	2035	2040	132.15		30000	0.1	2035	2036
Road - F - TRUCK - Pickup4x4Van - Gaseous Hydrogen - Fuel Cell - vintage 2040 to 2045	2040	2045	113.48		30000	0.1	2040	2041
Road - F - TRUCK - DropAndTipVan - Gasoline - Euro 1 (1992-96) - vintage 1994 to 1998	1994	1998	16.37		21000	310680	1994	1995
Road - F - TRUCK - DropAndTipVan - Gasoline - Euro 2 (1996-2001) - vintage 1998 to 2001	1998	2001	14.57		21000	999592	1998	1999
Road - F - TRUCK - DropAndTipVan - Gasoline - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	13.76		21000	999592	2001	2002
Road - F - TRUCK - DropAndTipVan - Gasoline - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	9.79		21000	126720.3	2005	2006
Road - F - TRUCK - DropAndTipVan - Gasoline - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	9.06		21000	63360.15	2009	2010
Road - F - TRUCK - DropAndTipVan - Gasoline - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	7.89		21000	12672.03	2015	2016
Road - F - TRUCK - DropAndTipVan - Gasoline - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	7.31		21000	12672.03	2020	2021

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - DropAndTipVan - Gasoline - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	6.78		21000	12672.03	2025	2026
Road - F - TRUCK - DropAndTipVan - Gasoline - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.29		21000	12672.03	2030	2031
Road - F - TRUCK - DropAndTipVan - Gasoline - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	5.83		21000	12672.03	2035	2036
Road - F - TRUCK - DropAndTipVan - Gasoline - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.40		21000	12672.03	2040	2041
Road - F - TRUCK - DropAndTipVan - Gasoline - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.01		21000	12672.03	2045	2046
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 1 (1992-96) - vintage 1994 to 1998	1994	1998	12.96		22000	406454	1994	1995
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 2 (1996-2001) - vintage 1998 to 2001	1998	2001	11.78		22000	1267203	1998	1999
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	11.25		22000	1267203	2001	2002
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	10.42		22000	1267203	2005	2006
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	9.29		22000	1267203	2009	2010
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.56		22000	1267203	2015	2016
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	7.95		22000	1267203	2020	2021
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.37		22000	1267203	2025	2026

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.84		22000	1267203	2030	2031
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.34		22000	1267203	2035	2036
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.88		22000	1267203	2040	2041
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.45		22000	1267203	2045	2046
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 4 (2005-09) - HEV - vintage 2005 to 2009	2005	2009	7.21		33000	0.1	2005	2006
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 5 (2009-14) - HEV - vintage 2009 to 2015	2009	2015	6.50		28600	126.7203	2009	2010
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 6 (2015-19) - HEV - vintage 2015 to 2020	2015	2020	5.99		26400	63360.15	2015	2016
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 7 (2020-24) - HEV - vintage 2020 to 2025	2020	2025	5.57		24200	12672.03	2020	2021
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 8 (2025-29) - HEV - vintage 2025 to 2030	2025	2030	5.16		23000	25344.06	2025	2026
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 9 (2030-34) - HEV - vintage 2030 to 2035	2030	2035	4.78		23000	50688.12	2030	2031
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 10 (2035-39) - HEV - vintage 2035 to 2040	2035	2040	4.44		23000	50688.12	2035	2036
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 11 (2040-44) - HEV - vintage 2040 to 2045	2040	2045	4.11		23000	50688.12	2040	2041
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 12 (2045-50) - HEV - vintage 2045 to 2050	2045		3.81		23000	50688.12	2045	2046

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 5 (2009-14) - PHEV - vintage 2009 to 2015	2009	2015	5.65	46.99	30000	126.7203	2009	2010
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 6 (2015-19) - PHEV - vintage 2015 to 2020	2015	2020	5.31	42.91	28600	63360.15	2015	2016
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 7 (2020-24) - PHEV - vintage 2020 to 2025	2020	2025	4.93	39.79	26400	12672.03	2020	2021
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 8 (2025-29) - PHEV - vintage 2025 to 2030	2025	2030	4.57	36.89	25300	25344.06	2025	2026
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 9 (2030-34) - PHEV - vintage 2030 to 2035	2030	2035	4.24	34.21	24000	50688.12	2030	2031
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 10 (2035-39) - PHEV - vintage 2035 to 2040	2035	2040	3.93	31.72	24000	50688.12	2035	2036
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 11 (2040-44) - PHEV - vintage 2040 to 2045	2040	2045	3.64	29.41	24000	50688.12	2040	2041
Road - F - TRUCK - DropAndTipVan - Diesel - Euro 12 (2045-50) - PHEV - vintage 2045 to 2050	2045		3.43	27.27	24000	50688.12	2045	2046
Road - F - TRUCK - DropAndTipVan - Liquefied Petroleum Gas - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005		22.44	24200	6336.015	2001	2002
Road - F - TRUCK - DropAndTipVan - Liquefied Petroleum Gas - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009		15.22	25300	0	2005	2006
Road - F - TRUCK - DropAndTipVan - Liquefied Petroleum Gas - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015		14.24	24200	126.7203	2009	2010
Road - F - TRUCK - DropAndTipVan - Liquefied Petroleum Gas - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020		13.00	23980	126.7203	2015	2016
Road - F - TRUCK - DropAndTipVan - Liquefied Petroleum Gas - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025		12.06	23760	126.7203	2020	2021

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - DropAndTipVan - Liquefied Petroleum Gas - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	11.18		23540	126.7203	2025	2026
Road - F - TRUCK - DropAndTipVan - Liquefied Petroleum Gas - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	10.36		23320	126.7203	2030	2031
Road - F - TRUCK - DropAndTipVan - Liquefied Petroleum Gas - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	9.61		23100	126.7203	2035	2036
Road - F - TRUCK - DropAndTipVan - Liquefied Petroleum Gas - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	8.91		23100	126.7203	2040	2041
Road - F - TRUCK - DropAndTipVan - Liquefied Petroleum Gas - Euro 12 (2045-50) - vintage 2045 to 2050	2045		8.26		23100	126.7203	2045	2046
Road - F - TRUCK - DropAndTipVan - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	10.68		24200	0.1	2005	2006
Road - F - TRUCK - DropAndTipVan - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	9.90		24200	126.7203	2009	2010
Road - F - TRUCK - DropAndTipVan - Bioethanol(85)-petrol(15) blend - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.64		24200	126.7203	2015	2016
Road - F - TRUCK - DropAndTipVan - Bioethanol(85)-petrol(15) blend - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	8.01		24200	126.7203	2020	2021
Road - F - TRUCK - DropAndTipVan - Bioethanol(85)-petrol(15) blend - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.43		24200	126.7203	2025	2026
Road - F - TRUCK - DropAndTipVan - Bioethanol(85)-petrol(15) blend - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.88		24200	126.7203	2030	2031
Road - F - TRUCK - DropAndTipVan - Bioethanol(85)-petrol(15) blend - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.38		24200	126.7203	2035	2036
Road - F - TRUCK - DropAndTipVan - Bioethanol(85)-petrol(15) blend - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.92		24200	126.7203	2040	2041

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - DropAndTipVan - Bioethanol(85)-petrol(15) blend - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.49		24200	126.7203	2045	2046
Road - F - TRUCK - DropAndTipVan - Biodiesel (FT, synthetic) - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	12.18		24200	12.67	2005	2006
Road - F - TRUCK - DropAndTipVan - Biodiesel (FT, synthetic) - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	10.87		24200	126.7203	2009	2010
Road - F - TRUCK - DropAndTipVan - Biodiesel (FT, synthetic) - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.30		23100	126.7203	2015	2016
Road - F - TRUCK - DropAndTipVan - Biodiesel (FT, synthetic) - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	7.70		23100	126.7203	2020	2021
Road - F - TRUCK - DropAndTipVan - Biodiesel (FT, synthetic) - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.14		23100	126.7203	2025	2026
Road - F - TRUCK - DropAndTipVan - Biodiesel (FT, synthetic) - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.62		23100	126.7203	2030	2031
Road - F - TRUCK - DropAndTipVan - Biodiesel (FT, synthetic) - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.14		23100	126.7203	2035	2036
Road - F - TRUCK - DropAndTipVan - Biodiesel (FT, synthetic) - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.69		23100	126.7203	2040	2041
Road - F - TRUCK - DropAndTipVan - Biodiesel (FT, synthetic) - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.27		23100	126.7203	2045	2046
Road - F - TRUCK - DropAndTipVan - Compressed Natural Gas - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	46.29		26400	0	2005	2006
Road - F - TRUCK - DropAndTipVan - Compressed Natural Gas - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	43.32		25300	126.7203	2009	2010
Road - F - TRUCK - DropAndTipVan - Compressed Natural Gas - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	39.55		24200	126.7203	2015	2016

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - DropAndTipVan - Compressed Natural Gas - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	36.67		23980	126.7203	2020	2021
Road - F - TRUCK - DropAndTipVan - Compressed Natural Gas - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	34.00		23760	126.7203	2025	2026
Road - F - TRUCK - DropAndTipVan - Compressed Natural Gas - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	31.53		23540	126.7203	2030	2031
Road - F - TRUCK - DropAndTipVan - Compressed Natural Gas - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	29.23		23320	126.7203	2035	2036
Road - F - TRUCK - DropAndTipVan - Compressed Natural Gas - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	27.11		23100	126.7203	2040	2041
Road - F - TRUCK - DropAndTipVan - Compressed Natural Gas - Euro 12 (2045-50) - vintage 2045 to 2050	2045		25.13		23100	126.7203	2045	2046
Road - F - TRUCK - DropAndTipVan - Electricity - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	56.15		44000	0.1	2001	2002
Road - F - TRUCK - DropAndTipVan - Electricity - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	47.56		40000	1267	2005	2006
Road - F - TRUCK - DropAndTipVan - Electricity - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	42.30		35000	1267.203	2009	2010
Road - F - TRUCK - DropAndTipVan - Electricity - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	38.63		30000	126720.3	2015	2016
Road - F - TRUCK - DropAndTipVan - Electricity - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	35.82		26000	126720.3	2020	2021
Road - F - TRUCK - DropAndTipVan - Electricity - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	33.21		25000	253440.6	2025	2026
Road - F - TRUCK - DropAndTipVan - Electricity - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	30.80		24000	506881.2	2030	2031

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - DropAndTipVan - Electricity - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	28.55		23000	506881.2	2035	2036
Road - F - TRUCK - DropAndTipVan - Electricity - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	26.48		22000	506881.2	2040	2041
Road - F - TRUCK - DropAndTipVan - Electricity - Euro 12 (2045-50) - vintage 2045 to 2050	2045		24.55		22000	506881.2	2045	2046
Road - F - TRUCK - DropAndTipVan - Gaseous Hydrogen - Fuel Cell - vintage 2025 to 2030	2025	2030	179.20		35000	0.1	2025	2026
Road - F - TRUCK - DropAndTipVan - Gaseous Hydrogen - Fuel Cell - vintage 2035 to 2040	2035	2040	132.15		30000	0.1	2035	2036
Road - F - TRUCK - DropAndTipVan - Gaseous Hydrogen - Fuel Cell - vintage 2030 to 2035	2030	2035	153.89		30000	0.1	2030	2031
Road - F - TRUCK - DropAndTipVan - Gaseous Hydrogen - Fuel Cell - vintage 2045 to 2050	2045		97.45		30000	0.1	2045	2046
Road - F - TRUCK - DropAndTipVan - Gaseous Hydrogen - Fuel Cell - vintage 2040 to 2045	2040	2045	113.48		30000	0.1	2040	2041
Road - F - TRUCK - DropAndTipVan - Gaseous Hydrogen - Fuel Cell - vintage 2020 to 2025	2020	2025	208.68		40000	0.1	2020	2021
Road - F - TRUCK - BoxLutonInsVan - Gasoline - Euro 1 (1992-96) - vintage 1994 to 1998	1994	1998	16.03		21000	310680	1994	1995
Road - F - TRUCK - BoxLutonInsVan - Gasoline - Euro 2 (1996-2001) - vintage 1998 to 2001	1998	2001	13.89		21000	999592	1998	1999
Road - F - TRUCK - BoxLutonInsVan - Gasoline - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	12.58		21000	999592	2001	2002
Road - F - TRUCK - BoxLutonInsVan - Gasoline - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	12.20		21000	126720.3	2005	2006

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - BoxLutonInsVan - Gasoline - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	12.22		21000	63360.15	2009	2010
Road - F - TRUCK - BoxLutonInsVan - Gasoline - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	7.89		21000	12672.03	2015	2016
Road - F - TRUCK - BoxLutonInsVan - Gasoline - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	7.31		21000	12672.03	2020	2021
Road - F - TRUCK - BoxLutonInsVan - Gasoline - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	6.78		21000	12672.03	2025	2026
Road - F - TRUCK - BoxLutonInsVan - Gasoline - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.29		21000	12672.03	2030	2031
Road - F - TRUCK - BoxLutonInsVan - Gasoline - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	5.83		21000	12672.03	2035	2036
Road - F - TRUCK - BoxLutonInsVan - Gasoline - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.40		21000	12672.03	2040	2041
Road - F - TRUCK - BoxLutonInsVan - Gasoline - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.01		21000	12672.03	2045	2046
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 1 (1992-96) - vintage 1994 to 1998	1994	1998	13.18		22000	406454	1994	1995
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 2 (1996-2001) - vintage 1998 to 2001	1998	2001	12.35		22000	1267203	1998	1999
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	11.21		22000	1267203	2001	2002
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	10.43		22000	1267203	2005	2006
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	9.26		22000	1267203	2009	2010

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.53		22000	1267203	2015	2016
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	7.92		22000	1267203	2020	2021
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.34		22000	1267203	2025	2026
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.81		22000	1267203	2030	2031
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.31		22000	1267203	2035	2036
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.85		22000	1267203	2040	2041
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.43		22000	1267203	2045	2046
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 4 (2005-09) - HEV - vintage 2005 to 2009	2005	2009	7.12		33000	0.1	2005	2006
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 5 (2009-14) - HEV - vintage 2009 to 2015	2009	2015	6.48		28600	126.7203	2009	2010
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 6 (2015-19) - HEV - vintage 2015 to 2020	2015	2020	5.97		26400	63360.15	2015	2016
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 7 (2020-24) - HEV - vintage 2020 to 2025	2020	2025	5.54		24200	12672.03	2020	2021
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 8 (2025-29) - HEV - vintage 2025 to 2030	2025	2030	5.14		23000	25344.06	2025	2026
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 9 (2030-34) - HEV - vintage 2030 to 2035	2030	2035	4.77		23000	50688.12	2030	2031

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 10 (2035-39) - HEV - vintage 2035 to 2040	2035	2040	4.42		23000	50688.12	2035	2036
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 11 (2040-44) - HEV - vintage 2040 to 2045	2040	2045	4.10		23000	50688.12	2040	2041
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 12 (2045-50) - HEV - vintage 2045 to 2050	2045		3.80		23000	50688.12	2045	2046
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 5 (2009-14) - PHEV - vintage 2009 to 2015	2009	2015	5.63	46.99	30000	126.7203	2009	2010
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 6 (2015-19) - PHEV - vintage 2015 to 2020	2015	2020	5.29	42.91	28600	63360.15	2015	2016
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 7 (2020-24) - PHEV - vintage 2020 to 2025	2020	2025	4.91	39.79	26400	12672.03	2020	2021
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 8 (2025-29) - PHEV - vintage 2025 to 2030	2025	2030	4.55	36.89	25300	25344.06	2025	2026
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 9 (2030-34) - PHEV - vintage 2030 to 2035	2030	2035	4.22	34.21	24000	50688.12	2030	2031
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 10 (2035-39) - PHEV - vintage 2035 to 2040	2035	2040	3.91	31.72	24000	50688.12	2035	2036
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 11 (2040-44) - PHEV - vintage 2040 to 2045	2040	2045	3.63	29.41	24000	50688.12	2040	2041
Road - F - TRUCK - BoxLutonInsVan - Diesel - Euro 12 (2045-50) - PHEV - vintage 2045 to 2050	2045		3.42	27.27	24000	50688.12	2045	2046
Road - F - TRUCK - BoxLutonInsVan - Liquefied Petroleum Gas - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	20.51		24200	6336.015	2001	2002
Road - F - TRUCK - BoxLutonInsVan - Liquefied Petroleum Gas - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	15.22		25300	0	2005	2006

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - BoxLutonInsVan - Liquefied Petroleum Gas - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	14.24		24200	126.7203	2009	2010
Road - F - TRUCK - BoxLutonInsVan - Liquefied Petroleum Gas - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	13.00		23980	126.7203	2015	2016
Road - F - TRUCK - BoxLutonInsVan - Liquefied Petroleum Gas - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	12.06		23760	126.7203	2020	2021
Road - F - TRUCK - BoxLutonInsVan - Liquefied Petroleum Gas - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	11.18		23540	126.7203	2025	2026
Road - F - TRUCK - BoxLutonInsVan - Liquefied Petroleum Gas - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	10.36		23320	126.7203	2030	2031
Road - F - TRUCK - BoxLutonInsVan - Liquefied Petroleum Gas - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	9.61		23100	126.7203	2035	2036
Road - F - TRUCK - BoxLutonInsVan - Liquefied Petroleum Gas - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	8.91		23100	126.7203	2040	2041
Road - F - TRUCK - BoxLutonInsVan - Liquefied Petroleum Gas - Euro 12 (2045-50) - vintage 2045 to 2050	2045		8.26		23100	126.7203	2045	2046
Road - F - TRUCK - BoxLutonInsVan - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	13.25		24200	0.1	2005	2006
Road - F - TRUCK - BoxLutonInsVan - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	13.37		24200	126.7203	2009	2010
Road - F - TRUCK - BoxLutonInsVan - Bioethanol(85)-petrol(15) blend - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.64		24200	126.7203	2015	2016
Road - F - TRUCK - BoxLutonInsVan - Bioethanol(85)-petrol(15) blend - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	8.01		24200	126.7203	2020	2021
Road - F - TRUCK - BoxLutonInsVan - Bioethanol(85)-petrol(15) blend - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.43		24200	126.7203	2025	2026

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - BoxLutonInsVan - Bioethanol(85)-petrol(15) blend - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.88		24200	126.7203	2030	2031
Road - F - TRUCK - BoxLutonInsVan - Bioethanol(85)-petrol(15) blend - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.38		24200	126.7203	2035	2036
Road - F - TRUCK - BoxLutonInsVan - Bioethanol(85)-petrol(15) blend - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.92		24200	126.7203	2040	2041
Road - F - TRUCK - BoxLutonInsVan - Bioethanol(85)-petrol(15) blend - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.49		24200	126.7203	2045	2046
Road - F - TRUCK - BoxLutonInsVan - Biodiesel (FT, synthetic) - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	12.18		24200	12.67	2005	2006
Road - F - TRUCK - BoxLutonInsVan - Biodiesel (FT, synthetic) - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	10.83		24200	126.7203	2009	2010
Road - F - TRUCK - BoxLutonInsVan - Biodiesel (FT, synthetic) - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.30		23100	126.7203	2015	2016
Road - F - TRUCK - BoxLutonInsVan - Biodiesel (FT, synthetic) - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	7.70		23100	126.7203	2020	2021
Road - F - TRUCK - BoxLutonInsVan - Biodiesel (FT, synthetic) - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.14		23100	126.7203	2025	2026
Road - F - TRUCK - BoxLutonInsVan - Biodiesel (FT, synthetic) - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.62		23100	126.7203	2030	2031
Road - F - TRUCK - BoxLutonInsVan - Biodiesel (FT, synthetic) - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.14		23100	126.7203	2035	2036
Road - F - TRUCK - BoxLutonInsVan - Biodiesel (FT, synthetic) - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.69		23100	126.7203	2040	2041
Road - F - TRUCK - BoxLutonInsVan - Biodiesel (FT, synthetic) - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.27		23100	126.7203	2045	2046

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - BoxLutonInsVan - Compressed Natural Gas - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	46.29		26400	0	2005	2006
Road - F - TRUCK - BoxLutonInsVan - Compressed Natural Gas - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	43.32		25300	126.7203	2009	2010
Road - F - TRUCK - BoxLutonInsVan - Compressed Natural Gas - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	39.55		24200	126.7203	2015	2016
Road - F - TRUCK - BoxLutonInsVan - Compressed Natural Gas - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	36.67		23980	126.7203	2020	2021
Road - F - TRUCK - BoxLutonInsVan - Compressed Natural Gas - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	34.00		23760	126.7203	2025	2026
Road - F - TRUCK - BoxLutonInsVan - Compressed Natural Gas - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	31.53		23540	126.7203	2030	2031
Road - F - TRUCK - BoxLutonInsVan - Compressed Natural Gas - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	29.23		23320	126.7203	2035	2036
Road - F - TRUCK - BoxLutonInsVan - Compressed Natural Gas - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	27.11		23100	126.7203	2040	2041
Road - F - TRUCK - BoxLutonInsVan - Compressed Natural Gas - Euro 12 (2045-50) - vintage 2045 to 2050	2045		25.13		23100	126.7203	2045	2046
Road - F - TRUCK - BoxLutonInsVan - Electricity - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	56.15		44000	0.1	2001	2002
Road - F - TRUCK - BoxLutonInsVan - Electricity - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	47.63		40000	1267	2005	2006
Road - F - TRUCK - BoxLutonInsVan - Electricity - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	42.14		35000	1267.203	2009	2010
Road - F - TRUCK - BoxLutonInsVan - Electricity - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	38.49		30000	126720.3	2015	2016

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - BoxLutonInsVan - Electricity - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	35.69		26000	126720.3	2020	2021
Road - F - TRUCK - BoxLutonInsVan - Electricity - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	33.09		25000	253440.6	2025	2026
Road - F - TRUCK - BoxLutonInsVan - Electricity - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	30.68		24000	506881.2	2030	2031
Road - F - TRUCK - BoxLutonInsVan - Electricity - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	28.45		23000	506881.2	2035	2036
Road - F - TRUCK - BoxLutonInsVan - Electricity - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	26.38		22000	506881.2	2040	2041
Road - F - TRUCK - BoxLutonInsVan - Electricity - Euro 12 (2045-50) - vintage 2045 to 2050	2045		24.46		22000	506881.2	2045	2046
Road - F - TRUCK - BoxLutonInsVan - Gaseous Hydrogen - Fuel Cell - vintage 2020 to 2025	2020	2025	208.68		40000	0.1	2020	2021
Road - F - TRUCK - BoxLutonInsVan - Gaseous Hydrogen - Fuel Cell - vintage 2025 to 2030	2025	2030	179.20		35000	0.1	2025	2026
Road - F - TRUCK - BoxLutonInsVan - Gaseous Hydrogen - Fuel Cell - vintage 2030 to 2035	2030	2035	153.89		30000	0.1	2030	2031
Road - F - TRUCK - BoxLutonInsVan - Gaseous Hydrogen - Fuel Cell - vintage 2035 to 2040	2035	2040	132.15		30000	0.1	2035	2036
Road - F - TRUCK - BoxLutonInsVan - Gaseous Hydrogen - Fuel Cell - vintage 2040 to 2045	2040	2045	113.48		30000	0.1	2040	2041
Road - F - TRUCK - BoxLutonInsVan - Gaseous Hydrogen - Fuel Cell - vintage 2045 to 2050	2045		97.45		30000	0.1	2045	2046
Road - F - TRUCK - OtherVan - Gasoline - Euro 1 (1992-96) - vintage 1994 to 1998	1994	1998	16.37		21000	310680	1994	1995

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - OtherVan - Gasoline - Euro 2 (1996-2001) - vintage 1998 to 2001	1998	2001	15.65		21000	999592	1998	1999
Road - F - TRUCK - OtherVan - Gasoline - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	14.10		21000	999592	2001	2002
Road - F - TRUCK - OtherVan - Gasoline - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	12.08		21000	126720.3	2005	2006
Road - F - TRUCK - OtherVan - Gasoline - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	9.43		21000	63360.15	2009	2010
Road - F - TRUCK - OtherVan - Gasoline - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.69		21000	12672.03	2015	2016
Road - F - TRUCK - OtherVan - Gasoline - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	8.06		21000	12672.03	2020	2021
Road - F - TRUCK - OtherVan - Gasoline - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.48		21000	12672.03	2025	2026
Road - F - TRUCK - OtherVan - Gasoline - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.93		21000	12672.03	2030	2031
Road - F - TRUCK - OtherVan - Gasoline - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.43		21000	12672.03	2035	2036
Road - F - TRUCK - OtherVan - Gasoline - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.96		21000	12672.03	2040	2041
Road - F - TRUCK - OtherVan - Gasoline - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.53		21000	12672.03	2045	2046
Road - F - TRUCK - OtherVan - Diesel - Euro 1 (1992-96) - vintage 1994 to 1998	1994	1998	13.19		22000	406454	1994	1995
Road - F - TRUCK - OtherVan - Diesel - Euro 2 (1996-2001) - vintage 1998 to 2001	1998	2001	12.21		22000	1267203	1998	1999

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - OtherVan - Diesel - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	11.11		22000	1267203	2001	2002
Road - F - TRUCK - OtherVan - Diesel - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	10.45		22000	1267203	2005	2006
Road - F - TRUCK - OtherVan - Diesel - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	9.20		22000	1267203	2009	2010
Road - F - TRUCK - OtherVan - Diesel - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.48		22000	1267203	2015	2016
Road - F - TRUCK - OtherVan - Diesel - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	7.87		22000	1267203	2020	2021
Road - F - TRUCK - OtherVan - Diesel - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.30		22000	1267203	2025	2026
Road - F - TRUCK - OtherVan - Diesel - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.77		22000	1267203	2030	2031
Road - F - TRUCK - OtherVan - Diesel - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.28		22000	1267203	2035	2036
Road - F - TRUCK - OtherVan - Diesel - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.82		22000	1267203	2040	2041
Road - F - TRUCK - OtherVan - Diesel - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.40		22000	1267203	2045	2046
Road - F - TRUCK - OtherVan - Diesel - Euro 4 (2005-09) - HEV - vintage 2005 to 2009	2005	2009	7.27		33000	0.1	2005	2006
Road - F - TRUCK - OtherVan - Diesel - Euro 5 (2009-14) - HEV - vintage 2009 to 2015	2009	2015	6.44		28600	126.7203	2009	2010
Road - F - TRUCK - OtherVan - Diesel - Euro 6 (2015-19) - HEV - vintage 2015 to 2020	2015	2020	5.94		26400	63360.15	2015	2016

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - OtherVan - Diesel - Euro 7 (2020-24) - HEV - vintage 2020 to 2025	2020	2025	5.51		24200	12672.03	2020	2021
Road - F - TRUCK - OtherVan - Diesel - Euro 8 (2025-29) - HEV - vintage 2025 to 2030	2025	2030	5.11		23000	25344.06	2025	2026
Road - F - TRUCK - OtherVan - Diesel - Euro 9 (2030-34) - HEV - vintage 2030 to 2035	2030	2035	4.74		23000	50688.12	2030	2031
Road - F - TRUCK - OtherVan - Diesel - Euro 10 (2035-39) - HEV - vintage 2035 to 2040	2035	2040	4.39		23000	50688.12	2035	2036
Road - F - TRUCK - OtherVan - Diesel - Euro 11 (2040-44) - HEV - vintage 2040 to 2045	2040	2045	4.07		23000	50688.12	2040	2041
Road - F - TRUCK - OtherVan - Diesel - Euro 12 (2045-50) - HEV - vintage 2045 to 2050	2045		3.78		23000	50688.12	2045	2046
Road - F - TRUCK - OtherVan - Diesel - Euro 5 (2009-14) - PHEV - vintage 2009 to 2015	2009	2015	5.60	46.99	30000	126.7203	2009	2010
Road - F - TRUCK - OtherVan - Diesel - Euro 6 (2015-19) - PHEV - vintage 2015 to 2020	2015	2020	5.26	42.91	28600	63360.15	2015	2016
Road - F - TRUCK - OtherVan - Diesel - Euro 7 (2020-24) - PHEV - vintage 2020 to 2025	2020	2025	4.88	39.79	26400	12672.03	2020	2021
Road - F - TRUCK - OtherVan - Diesel - Euro 8 (2025-29) - PHEV - vintage 2025 to 2030	2025	2030	4.52	36.89	25300	25344.06	2025	2026
Road - F - TRUCK - OtherVan - Diesel - Euro 9 (2030-34) - PHEV - vintage 2030 to 2035	2030	2035	4.19	34.21	24000	50688.12	2030	2031
Road - F - TRUCK - OtherVan - Diesel - Euro 10 (2035-39) - PHEV - vintage 2035 to 2040	2035	2040	3.89	31.72	24000	50688.12	2035	2036
Road - F - TRUCK - OtherVan - Diesel - Euro 11 (2040-44) - PHEV - vintage 2040 to 2045	2040	2045	3.61	29.41	24000	50688.12	2040	2041

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - OtherVan - Diesel - Euro 12 (2045-50) - PHEV - vintage 2045 to 2050	2045		3.39	27.27	24000	50688.12	2045	2046
Road - F - TRUCK - OtherVan - Liquefied Petroleum Gas - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	22.98		24200	6336.015	2001	2002
Road - F - TRUCK - OtherVan - Liquefied Petroleum Gas - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	15.22		25300	0	2005	2006
Road - F - TRUCK - OtherVan - Liquefied Petroleum Gas - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	14.24		24200	126.7203	2009	2010
Road - F - TRUCK - OtherVan - Liquefied Petroleum Gas - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	13.00		23980	126.7203	2015	2016
Road - F - TRUCK - OtherVan - Liquefied Petroleum Gas - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	12.06		23760	126.7203	2020	2021
Road - F - TRUCK - OtherVan - Liquefied Petroleum Gas - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	11.18		23540	126.7203	2025	2026
Road - F - TRUCK - OtherVan - Liquefied Petroleum Gas - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	10.36		23320	126.7203	2030	2031
Road - F - TRUCK - OtherVan - Liquefied Petroleum Gas - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	9.61		23100	126.7203	2035	2036
Road - F - TRUCK - OtherVan - Liquefied Petroleum Gas - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	8.91		23100	126.7203	2040	2041
Road - F - TRUCK - OtherVan - Liquefied Petroleum Gas - Euro 12 (2045-50) - vintage 2045 to 2050	2045		8.26		23100	126.7203	2045	2046
Road - F - TRUCK - OtherVan - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	13.11		24200	0.1	2005	2006
Road - F - TRUCK - OtherVan - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	10.30		24200	126.7203	2009	2010

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - OtherVan - Bioethanol(85)-petrol(15) blend - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.64		24200	126.7203	2015	2016
Road - F - TRUCK - OtherVan - Bioethanol(85)-petrol(15) blend - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	8.01		24200	126.7203	2020	2021
Road - F - TRUCK - OtherVan - Bioethanol(85)-petrol(15) blend - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.43		24200	126.7203	2025	2026
Road - F - TRUCK - OtherVan - Bioethanol(85)-petrol(15) blend - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.88		24200	126.7203	2030	2031
Road - F - TRUCK - OtherVan - Bioethanol(85)-petrol(15) blend - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.38		24200	126.7203	2035	2036
Road - F - TRUCK - OtherVan - Bioethanol(85)-petrol(15) blend - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.92		24200	126.7203	2040	2041
Road - F - TRUCK - OtherVan - Bioethanol(85)-petrol(15) blend - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.49		24200	126.7203	2045	2046
Road - F - TRUCK - OtherVan - Biodiesel (FT, synthetic) - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	12.21		24200	12.67	2005	2006
Road - F - TRUCK - OtherVan - Biodiesel (FT, synthetic) - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	10.77		24200	126.7203	2009	2010
Road - F - TRUCK - OtherVan - Biodiesel (FT, synthetic) - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	8.30		23100	126.7203	2015	2016
Road - F - TRUCK - OtherVan - Biodiesel (FT, synthetic) - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	7.70		23100	126.7203	2020	2021
Road - F - TRUCK - OtherVan - Biodiesel (FT, synthetic) - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	7.14		23100	126.7203	2025	2026
Road - F - TRUCK - OtherVan - Biodiesel (FT, synthetic) - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	6.62		23100	126.7203	2030	2031

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - OtherVan - Biodiesel (FT, synthetic) - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	6.14		23100	126.7203	2035	2036
Road - F - TRUCK - OtherVan - Biodiesel (FT, synthetic) - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	5.69		23100	126.7203	2040	2041
Road - F - TRUCK - OtherVan - Biodiesel (FT, synthetic) - Euro 12 (2045-50) - vintage 2045 to 2050	2045		5.27		23100	126.7203	2045	2046
Road - F - TRUCK - OtherVan - Compressed Natural Gas - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	46.29		26400	0	2005	2006
Road - F - TRUCK - OtherVan - Compressed Natural Gas - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	43.32		25300	126.7203	2009	2010
Road - F - TRUCK - OtherVan - Compressed Natural Gas - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	39.55		24200	126.7203	2015	2016
Road - F - TRUCK - OtherVan - Compressed Natural Gas - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	36.67		23980	126.7203	2020	2021
Road - F - TRUCK - OtherVan - Compressed Natural Gas - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	34.00		23760	126.7203	2025	2026
Road - F - TRUCK - OtherVan - Compressed Natural Gas - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	31.53		23540	126.7203	2030	2031
Road - F - TRUCK - OtherVan - Compressed Natural Gas - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	29.23		23320	126.7203	2035	2036
Road - F - TRUCK - OtherVan - Compressed Natural Gas - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	27.11		23100	126.7203	2040	2041
Road - F - TRUCK - OtherVan - Compressed Natural Gas - Euro 12 (2045-50) - vintage 2045 to 2050	2045		25.13		23100	126.7203	2045	2046
Road - F - TRUCK - OtherVan - Electricity - Euro 3 (2001-05) - vintage 2001 to 2005	2001	2005	56.15		44000	0.1	2001	2002

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - OtherVan - Electricity - Euro 4 (2005-09) - vintage 2005 to 2009	2005	2009	47.69		40000	1267	2005	2006
Road - F - TRUCK - OtherVan - Electricity - Euro 5 (2009-14) - vintage 2009 to 2015	2009	2015	41.88		35000	1267.203	2009	2010
Road - F - TRUCK - OtherVan - Electricity - Euro 6 (2015-19) - vintage 2015 to 2020	2015	2020	38.25		30000	126720.3	2015	2016
Road - F - TRUCK - OtherVan - Electricity - Euro 7 (2020-24) - vintage 2020 to 2025	2020	2025	35.47		26000	126720.3	2020	2021
Road - F - TRUCK - OtherVan - Electricity - Euro 8 (2025-29) - vintage 2025 to 2030	2025	2030	32.88		25000	253440.6	2025	2026
Road - F - TRUCK - OtherVan - Electricity - Euro 9 (2030-34) - vintage 2030 to 2035	2030	2035	30.49		24000	506881.2	2030	2031
Road - F - TRUCK - OtherVan - Electricity - Euro 10 (2035-39) - vintage 2035 to 2040	2035	2040	28.27		23000	506881.2	2035	2036
Road - F - TRUCK - OtherVan - Electricity - Euro 11 (2040-44) - vintage 2040 to 2045	2040	2045	26.21		22000	506881.2	2040	2041
Road - F - TRUCK - OtherVan - Electricity - Euro 12 (2045-50) - vintage 2045 to 2050	2045		24.31		22000	506881.2	2045	2046
Road - F - TRUCK - OtherVan - Gaseous Hydrogen - Fuel Cell - vintage 2020 to 2025	2020	2025	208.68		40000	0.1	2020	2021
Road - F - TRUCK - OtherVan - Gaseous Hydrogen - Fuel Cell - vintage 2025 to 2030	2025	2030	179.20		35000	0.1	2025	2026
Road - F - TRUCK - OtherVan - Gaseous Hydrogen - Fuel Cell - vintage 2030 to 2035	2030	2035	153.89		30000	0.1	2030	2031
Road - F - TRUCK - OtherVan - Gaseous Hydrogen - Fuel Cell - vintage 2035 to 2040	2035	2040	132.15		30000	0.1	2035	2036

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Road - F - TRUCK - OtherVan - Gaseous Hydrogen - Fuel Cell - vintage 2040 to 2045	2040	2045	113.48		30000	0.1	2040	2041
Road - F - TRUCK - OtherVan - Gaseous Hydrogen - Fuel Cell - vintage 2045 to 2050	2045		97.45		30000	0.1	2045	2046
Rail - F - TRAIN - Regional - Diesel - Standard 1	1980	2000	473.58		10000000	962	1980	1981
Rail - F - TRAIN - Regional - Diesel - Standard 2	2000	2015	301.34		10000000	962	2000	2001
Rail - F - TRAIN - Regional - Diesel - Standard 3	2015		280.88		10000000	962	2015	2016
Rail - F - TRAIN - Regional - Electricity - Standard 1	1980	2000	1590.30		10000000	106	1980	1981
Rail - F - TRAIN - Regional - Electricity - Standard 2	2000	2015	1296.00		10000000	106	2000	2001
Rail - F - TRAIN - Regional - Electricity - Standard 3	2015		1202.13		10000000	106	2015	2016
Rail - F - TRAIN - National - Diesel - Standard 1	1980	2000	362.20		15000000	0.01	1980	1981
Rail - F - TRAIN - National - Diesel - Standard 2	2000	2015	330.00		15000000	0.01	2000	2001
Rail - F - TRAIN - National - Diesel - Standard 3	2015		313.50		15000000	0.01	2015	2016
Rail - F - TRAIN - National - Electricity - Standard 1	1980	2000	1590.00		15000000	317	1980	1981
Rail - F - TRAIN - National - Electricity - Standard 2	2000	2015	1440.00		15000000	317	2000	2001
Rail - F - TRAIN - National - Electricity - Standard 3	2015		1224.00		15000000	317	2015	2016
Water - F - SHIP - River - Diesel - Standard 1	1980	2010	4186.43		600000	340	1980	1981
Water - F - SHIP - River - Diesel - Standard 2	2010		3765.03		600000	340	2010	2011
Water - F - SHIP - Coastal - Diesel - Standard 1	1980	2010	5023.72		2000000	161	1980	1981
Water - F - SHIP - Coastal - Diesel - Standard 2	2010		4518.04		2000000	161	2010	2011
Water - F - SHIP - Maritime - Diesel - Standard 1	1980	2010	1314.60		20000000	100	1980	1981
Water - F - SHIP - Maritime - Diesel - Standard 2	2010		1182.40		20000000	100	2010	2011
Air - F - PLANE - Short Distance - Liquefied Hydrogen - Standard 3	2025	2035	1980.32		5000000	5	2025	2030
Air - F - PLANE - Short Distance - Liquefied Hydrogen - Euro 10 (2035-39)	2035	2045	1760.28		5000000	11	2035	2040

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Air - F - PLANE - Short Distance - Liquefied Hydrogen - Euro 12 (2045-50)	2045		1650.27		5000000	11	2045	2050
Air - F - PLANE - Short Distance - Aviation fuel (Jet A-1) - Standard 1	1985	2005	654.38		4000000	21	1985	1986
Air - F - PLANE - Short Distance - Aviation fuel (Jet A-1) - Standard 2	2005	2015	527.94		4000000	21	2005	2006
Air - F - PLANE - Short Distance - Aviation fuel (Jet A-1) - Euro 6 (2015-19)	2015	2025	484.16		4000000	21	2015	2016
Air - F - PLANE - Short Distance - Aviation fuel (Jet A-1) - Euro 8 (2025-29)	2025	2035	446.31		4000000	21	2025	2026
Air - F - PLANE - Short Distance - Aviation fuel (Jet A-1) - Euro 10 (2035-39)	2035	2045	411.87		4000000	21	2035	2036
Air - F - PLANE - Short Distance - Aviation fuel (Jet A-1) - Euro 12 (2045-50)	2045		380.08		4000000	21	2045	2046
Air - F - PLANE - Middle Distance - Liquefied Hydrogen - Standard 3	2025	2035	1963.64		100000000	11	2025	2030
Air - F - PLANE - Middle Distance - Liquefied Hydrogen - Euro 10 (2035-39)	2035	2045	1745.46		100000000	21	2035	2040
Air - F - PLANE - Middle Distance - Liquefied Hydrogen - Euro 12 (2045-50)	2045		1636.37		100000000	21	2045	2050
Air - F - PLANE - Middle Distance - Aviation fuel (Jet A-1) - Standard 1	1985	2005	640.74		75000000	42	1985	1986
Air - F - PLANE - Middle Distance - Aviation fuel (Jet A-1) - Standard 2	2005	2015	517.86		75000000	42	2005	2006
Air - F - PLANE - Middle Distance - Aviation fuel (Jet A-1) - Euro 6 (2015-19)	2015	2025	479.31		75000000	42	2015	2016
Air - F - PLANE - Middle Distance - Aviation fuel (Jet A-1) - Euro 8 (2025-29)	2025	2035	442.55		75000000	42	2025	2026
Air - F - PLANE - Middle Distance - Aviation fuel (Jet A-1) - Euro 10 (2035-39)	2035	2045	408.40		75000000	42	2035	2036

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{Start}</i>	<i>T_{Maturity}</i>
Air - F - PLANE - Middle Distance - Aviation fuel (Jet A-1) - Euro 12 (2045-50)	2045		376.88		75000000	42	2045	2046
Air - F - PLANE - Long Distance - Liquefied Hydrogen - Standard 3	2025	2035	3530.21		200000000	4	2025	2030
Air - F - PLANE - Long Distance - Liquefied Hydrogen - Euro 10 (2035-39)	2035	2045	3137.96		180876400	7	2035	2040
Air - F - PLANE - Long Distance - Liquefied Hydrogen - Euro 12 (2045-50)	2045		2941.84		163581408	7	2045	2050
Air - F - PLANE - Long Distance - Aviation fuel (Jet A-1) - Standard 1	1985	2005	1147.88		150000000	14	1985	1986
Air - F - PLANE - Long Distance - Aviation fuel (Jet A-1) - Standard 2	2005	2015	930.89		150000000	14	2005	2006
Air - F - PLANE - Long Distance - Aviation fuel (Jet A-1) - Euro 6 (2015-19)	2015	2025	861.70		150000000	14	2015	2016
Air - F - PLANE - Long Distance - Aviation fuel (Jet A-1) - Euro 8 (2025-29)	2025	2035	795.62		150000000	14	2025	2026
Air - F - PLANE - Long Distance - Aviation fuel (Jet A-1) - Euro 10 (2035-39)	2035	2045	734.21		150000000	14	2035	2036
Air - F - PLANE - Long Distance - Aviation fuel (Jet A-1) - Euro 12 (2045-50)	2045		677.54		150000000	14	2045	2046
Air - F - PLANE - Supersonic - Liquefied Hydrogen - Standard 3	2025	2035	6636.00		155000000	0.01	2025	2030
Air - F - PLANE - Supersonic - Liquefied Hydrogen - Euro 10 (2035-39)	2035	2045	6400.00		155000000	0.01	2035	2040
Air - F - PLANE - Supersonic - Liquefied Hydrogen - Euro 12 (2045-50)	2045		6200.00		155000000	0.01	2045	2050
Air - F - PLANE - Supersonic - Aviation fuel (Jet A-1) - Standard 2	2005	2015	1645.50		155000000	1	2005	2006
Air - F - PLANE - Supersonic - Aviation fuel (Jet A-1) - Euro 6 (2015-19)	2015	2025	1645.50		155000000	1	2015	2016
Air - F - PLANE - Supersonic - Aviation fuel (Jet A-1) - Euro 8 (2025-29)	2025	2035	1645.50		155000000	1	2025	2026
Air - F - PLANE - Supersonic - Aviation fuel (Jet A-1) - Euro 10 (2035-39)	2035	2045	1645.50		155000000	1	2035	2036

<i>Technology Description</i>	<i>First Year of Availability</i>	<i>Final Year of Availability</i>	<i>SFC main fuel (l/100km or kWh/100km)</i>	<i>SFC secondary fuel (kWh/100km)</i>	<i>Average Purchase Price, pre tax (GBP 2015)</i>	<i>P factor</i>	<i>T_{start}</i>	<i>T_{maturity}</i>
Air - F - PLANE - Supersonic - Aviation fuel (Jet A-1) - Euro 12 (2045-50)	2045		1645.50		155000000	1	2045	2046

Legend: P=passenger; F=freight; SFC=specific fuel consumption (primary fuel eg gasoline, secondary fuel eg electricity); light trucks=vans.

Appendix B: Direct Energy and Emissions Model Data Tables

B.1 Speed profiles

Table A5: Speed profiles for all road vehicle types for the reference scenario

Speed brackets (km/h)	Motorcycle			Car			Bus			Trucks		
	U	R	M	U	R	M	U	R	M	U	R	M
0-5	2	1	1	2	1	1	4	1	1	2	1	1
5-15	2	1	1	2	1	1	6	5	1	2	1	1
15-25	13	1	1	13	1	1	20	10	1	16	2	1
25-35	17	2	1	17	2	1	30	15	2	25	6	2
35-45	25	3	1	25	3	1	20	22	3	30	10	3
45-55	25	5	1	25	5	1	10	19	4	15	15	4
55-65	10	10	1	10	10	1	7	16	5	5	25	5
65-75	5	20	2	5	20	2	2	7	6	3	25	6
75-85	1	25	3	1	25	3	1	3	10	2	10	10
85-95	0	18	4	0	18	4	0	1	15	0	5	15
95-105	0	10	8	0	10	8	0	1	22	0	0	22
105-115	0	4	22	0	4	22	0	0	15	0	0	15
115-125	0	0	24	0	0	24	0	0	8	0	0	8
125-135	0	0	18	0	0	18	0	0	5	0	0	5
135-145	0	0	10	0	0	10	0	0	2	0	0	2
145+	0	0	2	0	0	2	0	0	0	0	0	0
Sum	100	100	100	100	100	100	100	100	100	100	100	100

Legend: U = urban, R = rural, M = motorway/dual carriageway

B.2 Direct energy use and emissions factors for the reference case

Table A6 shows the direct energy use and emissions factors for the reference case for all road vehicle technologies and by road type (urban | rural | motorway). This is the result of the DEEM model calibration for the reference case, based on the TEAM specific energy use and emissions factor database and integration with existing UK road speed profiles for urban, rural and motorway driving.

Table A6: Fuel consumption, direct CO₂ emissions and electricity use factors, for road transport technologies, by road type

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO ₂ emissions (gCO ₂ /km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - MOTO - Average moto - Gasoline - 2-Stroke Standard 1	6.6	7.3	5.6	6.7	152.9	169.9	128.8	157.2				
P - MOTO - Average moto - Gasoline - 2-Stroke Standard 2	5.6	6.3	4.8	5.8	131.3	145.9	110.6	135.0				
P - MOTO - Average moto - Gasoline - 2-Stroke Economic	4.6	5.1	3.9	4.7	106.2	117.9	89.4	109.1				
P - MOTO - Average moto - Electricity - 2-Stroke Standard 1									9.5	8.7	9.9	13.9
P - MOTO - Average moto - Electricity - 2-Stroke Standard 2									8.4	7.6	8.7	12.2
P - MOTO - Average moto - Electricity - 2-Stroke Economic									7.2	6.5	7.4	10.5
P - MOTO - Average moto - Gaseous Hydrogen - Fuel Cell	24.0	24.0	24.0	24.0								
P - MOTO - Average moto - Gaseous Hydrogen - Fuel Cell	19.2	19.2	19.2	19.2								
P - CAR - Small - Gasoline - Conventional (pre-EURO)	8.4	10.1	6.9	7.9	192.6	234.1	157.8	180.0				
P - CAR - Small - Gasoline - Euro 1 (1992-96)	7.7	9.1	6.4	7.3	176.1	209.1	148.3	166.5				
P - CAR - Small - Gasoline - Euro 2 (1996-2001)	8.1	9.6	6.8	7.7	187.2	222.0	157.7	177.8				
P - CAR - Small - Gasoline - Euro 3 (2001-05)	8.1	9.6	6.9	7.8	187.9	222.8	158.2	178.5				
P - CAR - Small - Gasoline - Euro 4 (2005-09)	7.8	9.2	6.5	7.4	178.8	212.0	150.6	169.9				
P - CAR - Small - Gasoline - Euro 5 (2009-14)	7.3	8.7	6.2	7.0	168.6	199.9	142.0	160.2				
P - CAR - Small - Gasoline - Euro 6 (2015-19)	6.7	7.9	5.6	6.4	154.8	183.5	130.4	147.0				
P - CAR - Small - Gasoline - Euro 7 (2020-24)	6.2	7.4	5.2	5.9	143.7	170.3	121.0	136.5				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - CAR - Small - Gasoline - Euro 8 (2025-29)	5.8	6.8	4.9	5.5	133.2	157.9	112.2	126.5				
P - CAR - Small - Gasoline - Euro 9 (2030-34)	5.4	6.3	4.5	5.1	123.5	146.4	104.0	117.3				
P - CAR - Small - Gasoline - Euro 10 (2035-39)	5.0	5.9	4.2	4.7	114.5	135.8	96.4	108.8				
P - CAR - Small - Gasoline - Euro 11 (2040-44)	4.6	5.5	3.9	4.4	106.2	125.9	89.4	100.9				
P - CAR - Small - Gasoline - Euro 12 (2045-50)	4.3	5.1	3.6	4.1	98.5	116.7	82.9	93.5				
P - CAR - Small - Gasoline - Euro 5 (2009-14) - HEV	4.3	5.1	3.7	4.1	100.2	118.8	84.4	95.2				
P - CAR - Small - Gasoline - Euro 6 (2015-19) - HEV	4.0	4.7	3.4	3.8	92.0	109.0	77.4	87.4				
P - CAR - Small - Gasoline - Euro 7 (2020-24) - HEV	3.7	4.4	3.1	3.5	85.4	101.2	71.9	81.1				
P - CAR - Small - Gasoline - Euro 8 (2025-29) - HEV	3.4	4.1	2.9	3.3	79.1	93.8	66.6	75.2				
P - CAR - Small - Gasoline - Euro 9 (2030-34) - HEV	3.2	3.8	2.7	3.0	73.4	87.0	61.8	69.7				
P - CAR - Small - Gasoline - Euro 10 (2035-39) - HEV	2.9	3.5	2.5	2.8	68.0	80.7	57.3	64.6				
P - CAR - Small - Gasoline - Euro 11 (2040-44) - HEV	2.7	3.2	2.3	2.6	63.1	74.8	53.1	59.9				
P - CAR - Small - Gasoline - Euro 12 (2045-50) - HEV	2.5	3.0	2.1	2.4	58.5	69.3	49.3	55.6				
P - CAR - Small - Gasoline - Euro 5 (2009-14) - PHEV	3.5		3.3	3.8	80.1		77.1	87.0	9.8	9.8		
P - CAR - Small - Gasoline - Euro 6 (2015-19) - PHEV	3.2		3.1	3.5	74.6		71.8	81.0	9.0	9.0		
P - CAR - Small - Gasoline - Euro 7 (2020-24) - PHEV	3.0		2.9	3.3	69.3		66.6	75.2	8.3	8.3		
P - CAR - Small - Gasoline - Euro 8 (2025-29) - PHEV	2.8		2.7	3.0	64.2		61.8	69.7	7.7	7.7		
P - CAR - Small - Gasoline - Euro 9 (2030-34) - PHEV	2.6		2.5	2.8	59.5		57.3	64.6	7.2	7.2		
P - CAR - Small - Gasoline - Euro 10 (2035-39) - PHEV	2.4		2.3	2.6	55.2		53.1	59.9	6.6	6.6		
P - CAR - Small - Gasoline - Euro 11 (2040-44) - PHEV	2.2		2.1	2.4	51.2		49.3	55.6	6.2	6.2		
P - CAR - Small - Gasoline - Euro 12 (2045-50) - PHEV	2.1		2.0	2.3	48.1		46.3	52.3	5.7	5.7		
P - CAR - Small - Diesel - Euro 3 (2001-05)	5.6	6.3	4.8	5.8	144.5	164.6	123.2	148.2				
P - CAR - Small - Diesel - Euro 4 (2005-09)	5.2	5.9	4.4	5.4	134.9	153.7	115.0	138.4				
P - CAR - Small - Diesel - Euro 5 (2009-14)	4.9	5.6	4.2	5.1	127.2	144.9	108.5	130.5				
P - CAR - Small - Diesel - Euro 6 (2015-19)	4.5	5.1	3.8	4.7	116.7	133.0	99.6	119.8				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - CAR - Small - Diesel - Euro 7 (2020-24)	4.2	4.8	3.6	4.3	108.3	123.4	92.4	111.2				
P - CAR - Small - Diesel - Euro 8 (2025-29)	3.9	4.4	3.3	4.0	100.5	114.5	85.7	103.1				
P - CAR - Small - Diesel - Euro 9 (2030-34)	3.6	4.1	3.1	3.7	93.1	106.1	79.5	95.6				
P - CAR - Small - Diesel - Euro 10 (2035-39)	3.3	3.8	2.8	3.5	86.4	98.4	73.7	88.6				
P - CAR - Small - Diesel - Euro 11 (2040-44)	3.1	3.5	2.6	3.2	80.1	91.2	68.3	82.2				
P - CAR - Small - Diesel - Euro 12 (2045-50)	2.9	3.3	2.4	3.0	74.3	84.6	63.3	76.2				
P - CAR - Small - Electricity - Euro 5 (2009-14)									11.1	9.5	10.8	15.2
P - CAR - Small - Electricity - Euro 6 (2015-19)									10.1	8.7	9.9	13.9
P - CAR - Small - Electricity - Euro 7 (2020-24)									9.4	8.1	9.2	12.9
P - CAR - Small - Electricity - Euro 8 (2025-29)									8.7	7.5	8.5	11.9
P - CAR - Small - Electricity - Euro 9 (2030-34)									8.1	6.9	7.9	11.1
P - CAR - Small - Electricity - Euro 10 (2035-39)									7.5	6.4	7.3	10.3
P - CAR - Small - Electricity - Euro 11 (2040-44)									6.9	6.0	6.8	9.5
P - CAR - Small - Electricity - Euro 12 (2045-50)									6.4	5.5	6.3	8.8
P - CAR - Medium - Gasoline - Conventional (pre-EURO)	9.4	11.7	7.7	8.3	218.9	270.5	178.4	196.9				
P - CAR - Medium - Gasoline - Euro 1 (1992-96)	8.9	10.7	7.5	8.1	206.4	246.2	173.7	192.9				
P - CAR - Medium - Gasoline - Euro 2 (1996-2001)	9.5	11.3	8.0	8.8	218.4	260.8	183.7	203.7				
P - CAR - Medium - Gasoline - Euro 3 (2001-05)	9.5	11.3	8.0	8.8	219.2	261.8	184.4	204.4				
P - CAR - Medium - Gasoline - Euro 4 (2005-09)	8.9	10.6	7.5	8.2	204.6	244.4	172.1	190.9				
P - CAR - Medium - Gasoline - Euro 5 (2009-14)	8.4	10.0	7.0	7.8	193.0	230.4	162.3	180.0				
P - CAR - Medium - Gasoline - Euro 6 (2015-19)	7.7	9.2	6.5	7.1	177.1	211.5	149.0	165.2				
P - CAR - Medium - Gasoline - Euro 7 (2020-24)	7.1	8.5	6.0	6.6	164.4	196.3	138.3	153.3				
P - CAR - Medium - Gasoline - Euro 8 (2025-29)	6.6	7.9	5.6	6.1	152.4	182.0	128.2	142.2				
P - CAR - Medium - Gasoline - Euro 9 (2030-34)	6.1	7.3	5.2	5.7	141.3	168.8	118.9	131.8				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - CAR - Medium - Gasoline - Euro 10 (2035-39)	5.7	6.8	4.8	5.3	131.1	156.5	110.2	122.2				
P - CAR - Medium - Gasoline - Euro 11 (2040-44)	5.3	6.3	4.4	4.9	121.5	145.1	102.2	113.3				
P - CAR - Medium - Gasoline - Euro 12 (2045-50)	4.9	5.8	4.1	4.5	112.7	134.6	94.8	105.1				
P - CAR - Medium - Gasoline - Euro 4 (2005-09) - HEV	5.4	6.4	4.5	5.0	123.9	147.9	104.2	115.5				
P - CAR - Medium - Gasoline - Euro 5 (2009-14) - HEV	5.1	6.0	4.3	4.7	116.8	139.5	98.3	109.0				
P - CAR - Medium - Gasoline - Euro 6 (2015-19) - HEV	4.6	5.5	3.9	4.3	107.3	128.1	90.2	100.0				
P - CAR - Medium - Gasoline - Euro 7 (2020-24) - HEV	4.3	5.1	3.6	4.0	99.6	118.9	83.7	92.8				
P - CAR - Medium - Gasoline - Euro 8 (2025-29) - HEV	4.0	4.8	3.4	3.7	92.3	110.2	77.6	86.1				
P - CAR - Medium - Gasoline - Euro 9 (2030-34) - HEV	3.7	4.4	3.1	3.4	85.6	102.2	72.0	79.8				
P - CAR - Medium - Gasoline - Euro 10 (2035-39) - HEV	3.4	4.1	2.9	3.2	79.4	94.8	66.8	74.0				
P - CAR - Medium - Gasoline - Euro 11 (2040-44) - HEV	3.2	3.8	2.7	3.0	73.6	87.9	61.9	68.6				
P - CAR - Medium - Gasoline - Euro 12 (2045-50) - HEV	3.0	3.5	2.5	2.7	68.2	81.5	57.4	63.6				
P - CAR - Medium - Gasoline - Euro 5 (2009-14) - PHEV	4.0		3.9	4.3	92.7		89.7	99.5	15.1	15.1		
P - CAR - Medium - Gasoline - Euro 6 (2015-19) - PHEV	3.7		3.6	4.0	86.4		83.7	92.8	13.8	13.8		
P - CAR - Medium - Gasoline - Euro 7 (2020-24) - PHEV	3.5		3.4	3.7	80.2		77.6	86.1	12.8	12.8		
P - CAR - Medium - Gasoline - Euro 8 (2025-29) - PHEV	3.2		3.1	3.4	74.4		72.0	79.8	11.8	11.8		
P - CAR - Medium - Gasoline - Euro 9 (2030-34) - PHEV	3.0		2.9	3.2	69.0		66.8	74.0	11.0	11.0		
P - CAR - Medium - Gasoline - Euro 10 (2035-39) - PHEV	2.8		2.7	3.0	64.0		61.9	68.6	10.2	10.2		
P - CAR - Medium - Gasoline - Euro 11 (2040-44) - PHEV	2.6		2.5	2.7	59.3		57.4	63.6	9.4	9.4		
P - CAR - Medium - Gasoline - Euro 12 (2045-50) - PHEV	2.4		2.3	2.6	55.8		54.0	59.9	8.7	8.7		
P - CAR - Medium - Diesel - Conventional (pre-EURO)	5.6	6.4	4.8	5.6	144.9	166.7	124.1	144.3				
P - CAR - Medium - Diesel - Euro 1 (1992-96)	5.8	6.6	5.0	6.0	150.7	172.1	128.8	153.3				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - CAR - Medium - Diesel - Euro 2 (1996-2001)	5.9	6.7	5.0	6.1	151.6	173.1	129.6	154.2				
P - CAR - Medium - Diesel - Euro 3 (2001-05)	6.2	7.0	5.3	6.4	160.5	182.9	136.9	164.7				
P - CAR - Medium - Diesel - Euro 4 (2005-09)	5.8	6.6	4.9	6.0	149.8	170.7	127.8	153.7				
P - CAR - Medium - Diesel - Euro 5 (2009-14)	5.5	6.2	4.7	5.7	141.3	161.0	120.5	145.0				
P - CAR - Medium - Diesel - Euro 6 (2015-19)	5.0	5.7	4.3	5.2	129.7	147.8	110.6	133.1				
P - CAR - Medium - Diesel - Euro 7 (2020-24)	4.7	5.3	4.0	4.8	120.4	137.2	102.7	123.5				
P - CAR - Medium - Diesel - Euro 8 (2025-29)	4.3	4.9	3.7	4.5	111.6	127.2	95.2	114.5				
P - CAR - Medium - Diesel - Euro 9 (2030-34)	4.0	4.5	3.4	4.1	103.5	117.9	88.3	106.2				
P - CAR - Medium - Diesel - Euro 10 (2035-39)	3.7	4.2	3.2	3.8	96.0	109.3	81.9	98.5				
P - CAR - Medium - Diesel - Euro 11 (2040-44)	3.4	3.9	2.9	3.6	89.0	101.4	75.9	91.3				
P - CAR - Medium - Diesel - Euro 12 (2045-50)	3.2	3.6	2.7	3.3	82.5	94.0	70.4	84.6				
P - CAR - Medium - Diesel - Euro 4 (2005-09) - HEV	3.5	4.0	3.0	3.6	90.7	103.3	77.3	93.0				
P - CAR - Medium - Diesel - Euro 5 (2009-14) - HEV	3.3	3.8	2.8	3.4	85.5	97.5	73.0	87.8				
P - CAR - Medium - Diesel - Euro 6 (2015-19) - HEV	3.0	3.4	2.6	3.1	78.5	89.5	67.0	80.6				
P - CAR - Medium - Diesel - Euro 7 (2020-24) - HEV	2.8	3.2	2.4	2.9	72.9	83.1	62.2	74.8				
P - CAR - Medium - Diesel - Euro 8 (2025-29) - HEV	2.6	3.0	2.2	2.7	67.6	77.0	57.7	69.3				
P - CAR - Medium - Diesel - Euro 9 (2030-34) - HEV	2.4	2.7	2.1	2.5	62.7	71.4	53.5	64.3				
P - CAR - Medium - Diesel - Euro 10 (2035-39) - HEV	2.2	2.5	1.9	2.3	58.1	66.2	49.6	59.6				
P - CAR - Medium - Diesel - Euro 11 (2040-44) - HEV	2.1	2.4	1.8	2.2	53.9	61.4	46.0	55.3				
P - CAR - Medium - Diesel - Euro 12 (2045-50) - HEV	1.9	2.2	1.6	2.0	50.0	56.9	42.6	51.3				
P - CAR - Medium - Diesel - Euro 5 (2009-14) - PHEV	3.5		3.3	3.8	90.5		85.8	101.0				
P - CAR - Medium - Diesel - Euro 6 (2015-19) - PHEV	3.2		3.1	3.6	84.4		80.0	94.1				
P - CAR - Medium - Diesel - Euro 7 (2020-24) - PHEV	3.0		2.9	3.3	78.3		74.3	87.4				
P - CAR - Medium - Diesel - Euro 8 (2025-29) - PHEV	2.8		2.6	3.1	72.6		68.9	81.0				
P - CAR - Medium - Diesel - Euro 9 (2030-34) - PHEV	2.6		2.5	2.9	67.3		63.9	75.1				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - CAR - Medium - Diesel - Euro 10 (2035-39) - PHEV	2.4		2.3	2.7	62.4		59.2	69.6				
P - CAR - Medium - Diesel - Euro 11 (2040-44) - PHEV	2.2		2.1	2.5	57.9		54.9	64.6				
P - CAR - Medium - Diesel - Euro 12 (2045-50) - PHEV	2.1		2.0	2.3	54.4		51.6	60.7				
P - CAR - Medium - Liquified Petroleum Gas - Euro 2 (1996-2001)	10.6	12.5	8.9	10.1	167.1	198.4	140.7	158.0				
P - CAR - Medium - Liquified Petroleum Gas - Euro 3 (2001-05)	10.7	12.7	9.0	10.2	170.2	201.8	143.3	161.7				
P - CAR - Medium - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09)	12.6	15.0	10.6	11.7	214.3	255.9	180.3	199.9				
P - CAR - Medium - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	11.9	14.2	10.0	11.0	202.0	241.2	169.9	188.4				
P - CAR - Medium - Biodiesel (FT, synthetic) - Standard 1	6.3	7.1	5.4	6.5	152.4	174.0	130.3	155.0				
P - CAR - Medium - Biodiesel (FT, synthetic) - Standard 2	5.0	5.7	4.3	5.2	121.8	138.8	103.9	125.0				
P - CAR - Medium - Electricity - Euro 5 (2009-14)									22.4	19.2	21.9	30.8
P - CAR - Medium - Electricity - Euro 6 (2015-19)									20.5	17.5	20.0	28.1
P - CAR - Medium - Electricity - Euro 7 (2020-24)									19.0	16.2	18.5	26.1
P - CAR - Medium - Electricity - Euro 8 (2025-29)									17.6	15.1	17.2	24.2
P - CAR - Medium - Electricity - Euro 9 (2030-34)									16.3	14.0	15.9	22.4
P - CAR - Medium - Electricity - Euro 10 (2035-39)									15.1	13.0	14.8	20.8
P - CAR - Medium - Electricity - Euro 11 (2040-44)									14.0	12.0	13.7	19.3
P - CAR - Medium - Electricity - Euro 12 (2045-50)									13.0	11.1	12.7	17.9
P - CAR - Large - Gasoline - Conventional (pre-EURO)	10.5	13.0	8.6	9.4	240.4	301.2	196.1	206.9				
P - CAR - Large - Gasoline - Euro 1 (1992-96)	11.0	13.0	9.3	10.3	254.0	300.3	215.2	240.4				
P - CAR - Large - Gasoline - Euro 2 (1996-2001)	11.7	13.8	9.9	11.0	270.5	319.0	228.9	258.1				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - CAR - Large - Gasoline - Euro 3 (2001-05)	11.7	13.9	9.9	11.0	271.5	320.2	229.8	259.1				
P - CAR - Large - Gasoline - Euro 4 (2005-09)	10.9	12.9	9.3	10.3	253.5	298.9	214.5	241.9				
P - CAR - Large - Gasoline - Euro 5 (2009-14)	10.3	12.2	8.7	9.7	239.0	281.8	202.2	228.1				
P - CAR - Large - Gasoline - Euro 6 (2015-19)	9.5	11.2	8.0	8.9	219.4	258.7	185.7	209.4				
P - CAR - Large - Gasoline - Euro 7 (2020-24)	8.8	10.4	7.4	8.3	203.6	240.1	172.3	194.3				
P - CAR - Large - Gasoline - Euro 8 (2025-29)	8.1	9.6	6.9	7.7	188.8	222.6	159.8	180.2				
P - CAR - Large - Gasoline - Euro 9 (2030-34)	7.6	8.9	6.4	7.1	175.1	206.4	148.1	167.1				
P - CAR - Large - Gasoline - Euro 10 (2035-39)	7.0	8.3	5.9	6.6	162.3	191.4	137.4	154.9				
P - CAR - Large - Gasoline - Euro 11 (2040-44)	6.5	7.7	5.5	6.1	150.5	177.5	127.4	143.6				
P - CAR - Large - Gasoline - Euro 12 (2045-50)	6.0	7.1	5.1	5.7	139.6	164.6	118.1	133.2				
P - CAR - Large - Gasoline - Euro 4 (2005-09) - HEV	6.6	7.8	5.6	6.2	153.3	180.8	129.7	146.3				
P - CAR - Large - Gasoline - Euro 5 (2009-14) - HEV	6.2	7.4	5.3	5.9	144.7	170.6	122.4	138.1				
P - CAR - Large - Gasoline - Euro 6 (2015-19) - HEV	5.7	6.8	4.9	5.4	132.9	156.7	112.4	126.8				
P - CAR - Large - Gasoline - Euro 7 (2020-24) - HEV	5.3	6.3	4.5	5.0	123.3	145.4	104.3	117.7				
P - CAR - Large - Gasoline - Euro 8 (2025-29) - HEV	4.9	5.8	4.2	4.6	114.3	134.8	96.8	109.1				
P - CAR - Large - Gasoline - Euro 9 (2030-34) - HEV	4.6	5.4	3.9	4.3	106.0	125.0	89.7	101.2				
P - CAR - Large - Gasoline - Euro 10 (2035-39) - HEV	4.2	5.0	3.6	4.0	98.3	115.9	83.2	93.8				
P - CAR - Large - Gasoline - Euro 11 (2040-44) - HEV	3.9	4.7	3.3	3.7	91.1	107.5	77.1	87.0				
P - CAR - Large - Gasoline - Euro 12 (2045-50) - HEV	3.6	4.3	3.1	3.4	84.5	99.7	71.5	80.6				
P - CAR - Large - Gasoline - Euro 5 (2009-14) - PHEV	5.0		4.8	5.4	116.2		111.8	126.1	28.7	28.7		
P - CAR - Large - Gasoline - Euro 6 (2015-19) - PHEV	4.7		4.5	5.0	108.3		104.2	117.5	26.2	26.2		
P - CAR - Large - Gasoline - Euro 7 (2020-24) - PHEV	4.3		4.2	4.6	100.5		96.8	109.1	24.3	24.3		
P - CAR - Large - Gasoline - Euro 8 (2025-29) - PHEV	4.0		3.9	4.3	93.2		89.7	101.2	22.5	22.5		
P - CAR - Large - Gasoline - Euro 9 (2030-34) - PHEV	3.7		3.6	4.0	86.4		83.2	93.8	20.9	20.9		
P - CAR - Large - Gasoline - Euro 10 (2035-39) - PHEV	3.4		3.3	3.7	80.1		77.1	87.0	19.4	19.4		

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - CAR - Large - Gasoline - Euro 11 (2040-44) - PHEV	3.2		3.1	3.4	74.3		71.5	80.6	18.0	18.0		
P - CAR - Large - Gasoline - Euro 12 (2045-50) - PHEV	3.0		2.9	3.2	69.9		67.3	75.9	16.7	16.7		
P - CAR - Large - Diesel - Conventional (pre-EURO)	7.1	8.4	6.1	6.6	184.5	217.7	158.7	169.9				
P - CAR - Large - Diesel - Euro 1 (1992-96)	7.4	8.7	6.4	7.0	193.3	225.2	165.6	185.7				
P - CAR - Large - Diesel - Euro 2 (1996-2001)	7.3	8.6	6.3	6.9	191.2	222.7	163.8	183.7				
P - CAR - Large - Diesel - Euro 3 (2001-05)	8.0	9.2	6.8	7.9	207.7	239.9	176.4	207.5				
P - CAR - Large - Diesel - Euro 4 (2005-09)	7.4	8.6	6.3	7.4	193.9	224.0	164.7	193.7				
P - CAR - Large - Diesel - Euro 5 (2009-14)	7.0	8.1	6.0	6.9	182.8	211.2	155.3	182.6				
P - CAR - Large - Diesel - Euro 6 (2015-19)	6.4	7.5	5.5	6.4	167.8	193.9	142.6	167.7				
P - CAR - Large - Diesel - Euro 7 (2020-24)	6.0	6.9	5.1	5.9	155.7	179.9	132.3	155.6				
P - CAR - Large - Diesel - Euro 8 (2025-29)	5.5	6.4	4.7	5.5	144.4	166.8	122.7	144.3				
P - CAR - Large - Diesel - Euro 9 (2030-34)	5.1	6.0	4.4	5.1	133.9	154.7	113.8	133.8				
P - CAR - Large - Diesel - Euro 10 (2035-39)	4.8	5.5	4.1	4.7	124.1	143.4	105.5	124.0				
P - CAR - Large - Diesel - Euro 11 (2040-44)	4.4	5.1	3.8	4.4	115.1	133.0	97.8	115.0				
P - CAR - Large - Diesel - Euro 12 (2045-50)	4.1	4.7	3.5	4.1	106.7	123.3	90.7	106.6				
P - CAR - Large - Diesel - Euro 4 (2005-09) - HEV	4.5	5.2	3.8	4.5	117.2	135.4	99.6	117.1				
P - CAR - Large - Diesel - Euro 5 (2009-14) - HEV	4.2	4.9	3.6	4.2	110.7	127.8	94.0	110.6				
P - CAR - Large - Diesel - Euro 6 (2015-19) - HEV	3.9	4.5	3.3	3.9	101.6	117.4	86.3	101.5				
P - CAR - Large - Diesel - Euro 7 (2020-24) - HEV	3.6	4.2	3.1	3.6	94.3	109.0	80.1	94.2				
P - CAR - Large - Diesel - Euro 8 (2025-29) - HEV	3.4	3.9	2.9	3.3	87.4	101.0	74.3	87.4				
P - CAR - Large - Diesel - Euro 9 (2030-34) - HEV	3.1	3.6	2.6	3.1	81.1	93.7	68.9	81.0				
P - CAR - Large - Diesel - Euro 10 (2035-39) - HEV	2.9	3.3	2.5	2.9	75.2	86.9	63.9	75.1				
P - CAR - Large - Diesel - Euro 11 (2040-44) - HEV	2.7	3.1	2.3	2.7	69.7	80.5	59.2	69.6				
P - CAR - Large - Diesel - Euro 12 (2045-50) - HEV	2.5	2.9	2.1	2.5	64.6	74.7	54.9	64.6				
P - CAR - Large - Diesel - Euro 5 (2009-14) - PHEV	3.5		3.3	3.8	90.5		85.9	101.0				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - CAR - Large - Diesel - Euro 6 (2015-19) - PHEV	3.2		3.1	3.6	84.4		80.0	94.1				
P - CAR - Large - Diesel - Euro 7 (2020-24) - PHEV	3.0		2.9	3.3	78.3		74.3	87.4				
P - CAR - Large - Diesel - Euro 8 (2025-29) - PHEV	2.8		2.6	3.1	72.6		68.9	81.0				
P - CAR - Large - Diesel - Euro 9 (2030-34) - PHEV	2.6		2.5	2.9	67.3		63.9	75.1				
P - CAR - Large - Diesel - Euro 10 (2035-39) - PHEV	2.4		2.3	2.7	62.4		59.2	69.6				
P - CAR - Large - Diesel - Euro 11 (2040-44) - PHEV	2.2		2.1	2.5	57.9		54.9	64.6				
P - CAR - Large - Diesel - Euro 12 (2045-50) - PHEV	2.1		2.0	2.3	54.4		51.6	60.7				
P - CAR - Large - Liquified Petroleum Gas - Euro 3 (2001-05)	11.7	13.6	10.0	11.6	188.1	217.3	159.8	187.9				
P - CAR - Large - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	14.6	17.3	12.4	13.8	250.1	294.9	211.6	238.6				
P - CAR - Large - Biodiesel (FT, synthetic) - Standard 1	9.3	10.8	7.9	8.8	226.5	263.9	194.1	217.7				
P - CAR - Large - Biodiesel (FT, synthetic) - Standard 2	7.5	8.7	6.3	7.4	182.5	210.8	155.0	182.3				
P - CAR - Large - Electricity - Euro 5 (2009-14)									25.8	22.1	25.1	35.3
P - CAR - Large - Electricity - Euro 6 (2015-19)									23.1	19.8	22.5	31.6
P - CAR - Large - Electricity - Euro 7 (2020-24)									21.7	18.6	21.2	29.8
P - CAR - Large - Electricity - Euro 8 (2025-29)									20.4	17.5	19.8	27.9
P - CAR - Large - Electricity - Euro 9 (2030-34)									18.3	15.7	17.8	25.1
P - CAR - Large - Electricity - Euro 10 (2035-39)									17.0	14.5	16.5	23.2
P - CAR - Large - Electricity - Euro 11 (2040-44)									16.3	14.0	15.9	22.3
P - CAR - Large - Electricity - Euro 12 (2045-50)									14.9	12.8	14.5	20.5
P - BUS - Mini - Gasoline - Standard 1	10.6	13.4	10.6	10.5	455.6	575.4	455.6	455.8				
P - BUS - Mini - Gasoline - Standard 2	8.4	10.7	8.4	8.4	423.5	534.9	423.5	423.7				
P - BUS - Mini - Gasoline - Standard 3	17.1	21.7	17.1	17.1	394.0	497.6	394.0	394.2				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - BUS - Mini - Diesel - Conventional (pre-EURO)	34.6	45.3	34.6	32.4	882.7	1145.0	882.7	834.2				
P - BUS - Mini - Diesel - Euro 1 (1992-96)	34.5	45.0	34.5	32.3	879.9	1135.3	879.9	831.3				
P - BUS - Mini - Diesel - Euro 2 (1996-2001)	34.6	45.0	34.6	32.3	881.5	1137.4	881.5	832.9				
P - BUS - Mini - Diesel - Euro 3 (2001-05)	31.3	40.8	31.3	29.3	798.1	1029.7	798.1	754.1				
P - BUS - Mini - Diesel - Euro 4 (2005-09)	29.8	38.8	29.8	27.9	759.6	980.1	759.6	717.7				
P - BUS - Mini - Diesel - Euro 5 (2009-14)	29.2	38.1	29.2	27.3	745.2	961.5	745.2	704.1				
P - BUS - Mini - Diesel - Euro 6 (2015-19)	28.5	37.1	28.5	26.6	725.5	936.1	725.5	685.5				
P - BUS - Mini - Diesel - Euro 7 (2020-24)	27.8	36.2	27.8	26.0	707.7	913.2	707.7	668.7				
P - BUS - Mini - Diesel - Euro 8 (2025-29)	27.1	35.3	27.1	25.3	690.2	890.6	690.2	652.1				
P - BUS - Mini - Diesel - Euro 9 (2030-34)	26.4	34.4	26.4	24.7	673.1	868.5	673.1	636.0				
P - BUS - Mini - Diesel - Euro 10 (2035-39)	25.7	33.5	25.7	24.1	656.5	847.0	656.5	620.3				
P - BUS - Mini - Diesel - Euro 11 (2040-44)	25.1	32.7	25.1	23.5	640.2	826.0	640.2	604.9				
P - BUS - Mini - Diesel - Euro 12 (2045-50)	24.5	31.9	24.5	22.9	624.4	805.6	624.4	589.9				
P - BUS - Mini - Diesel - Euro 4 (2005-09) - HEV	18.0	23.5	18.0	16.9	459.9	593.4	459.9	434.5				
P - BUS - Mini - Diesel - Euro 5 (2009-14) - HEV	17.7	23.1	17.7	16.6	451.2	582.2	451.2	426.3				
P - BUS - Mini - Diesel - Euro 6 (2015-19) - HEV	17.2	22.5	17.2	16.1	439.3	566.8	439.3	415.1				
P - BUS - Mini - Diesel - Euro 7 (2020-24) - HEV	16.8	21.9	16.8	15.7	428.6	553.0	428.6	404.9				
P - BUS - Mini - Diesel - Euro 8 (2025-29) - HEV	16.4	21.4	16.4	15.3	418.0	539.3	418.0	394.9				
P - BUS - Mini - Diesel - Euro 9 (2030-34) - HEV	16.0	20.8	16.0	15.0	407.6	525.9	407.6	385.1				
P - BUS - Mini - Diesel - Euro 10 (2035-39) - HEV	15.6	20.3	15.6	14.6	397.5	512.9	397.5	375.6				
P - BUS - Mini - Diesel - Euro 11 (2040-44) - HEV	15.2	19.8	15.2	14.2	387.7	500.2	387.7	366.3				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - BUS - Mini - Diesel - Euro 12 (2045-50) - HEV	14.8	19.3	14.8	13.9	378.1	487.8	378.1	357.2				
P - BUS - Mini - Liquefied Petroleum Gas - Euro 4 (2005-09)	54.6	71.2	54.6	51.1	758.0	978.1	758.0	716.2				
P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09)	26.3	33.2	26.3	26.2	445.1	562.2	445.1	445.4				
P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	25.7	32.4	25.7	25.6	434.5	548.8	434.5	434.8				
P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 6 (2015-19)	25.1	31.7	25.1	25.1	425.3	537.1	425.3	425.5				
P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 7 (2020-24)	24.5	31.0	24.5	24.5	414.9	524.0	414.9	415.1				
P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 8 (2025-29)	23.9	30.2	23.9	23.8	404.6	511.0	404.6	404.8				
P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 9 (2030-34)	23.3	29.4	23.3	23.3	394.6	498.4	394.6	394.8				
P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 10 (2035-39)	22.7	28.7	22.7	22.7	384.8	486.0	384.8	385.0				
P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 11 (2040-44)	22.2	28.0	22.2	22.1	375.3	474.0	375.3	375.5				
P - BUS - Mini - Bioethanol(85)-petrol(15) blend - Euro 12 (2045-50)	21.6	27.3	21.6	21.6	366.0	462.3	366.0	366.2				
P - BUS - Mini - Biodiesel (FT, synthetic) - Standard 1	40.6	53.2	40.6	38.0	971.0	1259.4	971.0	917.6				
P - BUS - Mini - Biodiesel (FT, synthetic) - Standard 2	37.8	49.2	37.8	35.3	902.5	1164.5	902.5	852.8				
P - BUS - Mini - Biodiesel (FT, synthetic) - Standard 3	36.0	47.0	36.0	33.7	861.6	1111.7	861.6	814.1				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - BUS - Mini - Electricity - Standard 1									53.8	54.1	53.8	71.5
P - BUS - Mini - Electricity - Standard 2									48.6	48.9	48.6	64.7
P - BUS - Mini - Electricity - Standard 3									44.0	44.2	44.0	58.5
P - BUS - Urban - Diesel - Conventional (pre-EURO)	53.0	53.0	41.2	40.4	1374. 3	1374. 3	1069. 0	1042. 3				
P - BUS - Urban - Diesel - Euro 1 (1992-96)	52.5	52.5	41.1	40.3	1361. 6	1361. 6	1065. 9	1039. 1				
P - BUS - Urban - Diesel - Euro 2 (1996-2001)	42.1	42.1	33.0	32.3	1091. 5	1091. 5	854.4	833.0				
P - BUS - Urban - Diesel - Euro 3 (2001-05)	42.2	42.2	33.0	32.3	1093. 1	1093. 1	855.7	834.2				
P - BUS - Urban - Diesel - Euro 4 (2005-09)	40.1	40.1	31.4	30.8	1040. 4	1040. 4	814.4	794.0				
P - BUS - Urban - Diesel - Euro 5 (2009-14)	39.4	39.4	30.8	30.2	1020. 5	1020. 5	798.8	778.8				
P - BUS - Urban - Diesel - Euro 6 (2015-19)	38.3	38.3	30.0	29.4	993.4	993.4	777.6	758.2				
P - BUS - Urban - Diesel - Euro 7 (2020-24)	37.4	37.4	29.3	28.6	969.1	969.1	758.6	739.6				
P - BUS - Urban - Diesel - Euro 8 (2025-29)	36.4	36.4	28.5	27.9	945.1	945.1	739.8	721.3				
P - BUS - Urban - Diesel - Euro 9 (2030-34)	35.5	35.5	27.8	27.2	921.8	921.8	721.5	703.4				
P - BUS - Urban - Diesel - Euro 10 (2035-39)	34.7	34.7	27.1	26.6	898.9	898.9	703.7	686.0				
P - BUS - Urban - Diesel - Euro 11 (2040-44)	33.8	33.8	26.5	25.9	876.7	876.7	686.2	669.0				
P - BUS - Urban - Diesel - Euro 12 (2045-50)	33.0	33.0	25.8	25.3	855.0	855.0	669.3	652.5				
P - BUS - Urban - Diesel - Euro 4 (2005-09) - HEV	32.1	32.1	25.1	24.6	832.3	832.3	651.5	635.2				
P - BUS - Urban - Diesel - Euro 5 (2009-14) - HEV	31.5	31.5	24.6	24.1	816.1	816.1	638.8	622.8				
P - BUS - Urban - Diesel - Euro 6 (2015-19) - HEV	30.6	30.6	24.0	23.5	794.8	794.8	622.1	606.5				
P - BUS - Urban - Diesel - Euro 7 (2020-24) - HEV	29.9	29.9	23.4	22.9	775.3	775.3	606.9	591.7				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - BUS - Urban - Diesel - Euro 8 (2025-29) - HEV	29.2	29.2	22.8	22.4	756.1	756.1	591.9	577.0				
P - BUS - Urban - Diesel - Euro 9 (2030-34) - HEV	28.4	28.4	22.3	21.8	737.4	737.4	577.2	562.7				
P - BUS - Urban - Diesel - Euro 10 (2035-39) - HEV	27.7	27.7	21.7	21.3	719.1	719.1	562.9	548.8				
P - BUS - Urban - Diesel - Euro 11 (2040-44) - HEV	27.0	27.0	21.2	20.7	701.3	701.3	549.0	535.2				
P - BUS - Urban - Diesel - Euro 12 (2045-50) - HEV	26.4	26.4	20.7	20.2	684.0	684.0	535.4	522.0				
P - BUS - Urban - Diesel - Euro 5 (2009-14) - PHEV	24.0		24.0	23.5	621.1		621.1	605.5	103.7	103.7		
P - BUS - Urban - Diesel - Euro 6 (2015-19) - PHEV	23.3		23.3	22.8	604.8		604.8	589.7	99.6	99.6		
P - BUS - Urban - Diesel - Euro 7 (2020-24) - PHEV	22.8		22.8	22.3	590.0		590.0	575.3	94.7	94.7		
P - BUS - Urban - Diesel - Euro 8 (2025-29) - PHEV	22.2		22.2	21.7	575.4		575.4	561.0	90.0	90.0		
P - BUS - Urban - Diesel - Euro 9 (2030-34) - PHEV	21.6		21.6	21.2	561.2		561.2	547.1	85.6	85.6		
P - BUS - Urban - Diesel - Euro 10 (2035-39) - PHEV	21.1		21.1	20.7	547.3		547.3	533.6	81.4	81.4		
P - BUS - Urban - Diesel - Euro 11 (2040-44) - PHEV	20.6		20.6	20.2	533.8		533.8	520.4	77.4	77.4		
P - BUS - Urban - Diesel - Euro 12 (2045-50) - PHEV	20.1		20.1	19.7	520.6		520.6	507.5	73.6	73.6		
P - BUS - Urban - Bioethanol(85)-petrol(15) blend - Standard 1	78.9	78.9	61.4	60.1	1349.7	1349.7	1049.9	1023.6				
P - BUS - Urban - Biodiesel (FT, synthetic) - Standard 1	59.5	59.5	46.3	45.3	1446.9	1446.9	1125.5	1097.4				
P - BUS - Urban - Biodiesel (FT, synthetic) - Standard 2	54.8	54.8	42.9	42.0	1333.2	1333.2	1043.6	1017.4				
P - BUS - Urban - Biodiesel (FT, synthetic) - Standard 3	51.0	51.0	40.0	39.1	1240.7	1240.7	971.2	946.8				
P - BUS - Urban - Compressed Natural Gas - Euro 5 (2009-14)	219.9	219.9	172.2	168.6	948.8	948.8	742.7	724.0				
P - BUS - Urban - Electricity - Euro 4 (2005-09)									103.0	103.0	102.3	135.4
P - BUS - Urban - Electricity - Euro 5 (2009-14)									98.9	98.9	98.2	130.0
P - BUS - Urban - Electricity - Euro 6 (2015-19)									93.1	93.1	92.5	122.4

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - BUS - Urban - Electricity - Euro 7 (2020-24)									88.6	88.6	88.0	116.4
P - BUS - Urban - Electricity - Euro 8 (2025-29)									84.2	84.2	83.6	110.7
P - BUS - Urban - Electricity - Euro 9 (2030-34)									80.1	80.1	79.5	105.3
P - BUS - Urban - Electricity - Euro 10 (2035-39)									76.2	76.2	75.6	100.1
P - BUS - Urban - Electricity - Euro 11 (2040-44)									72.4	72.4	71.9	95.2
P - BUS - Urban - Electricity - Euro 12 (2045-50)									68.9	68.9	68.4	90.6
P - BUS - Urban - Gaseous Hydrogen - Fuel Cell	240.7	240.7	240.7	240.7								
P - BUS - Urban - Gaseous Hydrogen - Fuel Cell	228.9	228.9	228.9	228.9								
P - BUS - Urban - Gaseous Hydrogen - Fuel Cell	217.7	217.7	217.7	217.7								
P - BUS - Urban - Gaseous Hydrogen - Fuel Cell	207.0	207.0	207.0	207.0								
P - BUS - Urban - Gaseous Hydrogen - Fuel Cell	196.9	196.9	196.9	196.9								
P - BUS - Urban - Gaseous Hydrogen - Fuel Cell	187.2	187.2	187.2	187.2								
P - BUS - Coach - Diesel - Conventional (pre-EURO)	37.9	55.2	40.9	37.9	977.0	1430.	1059.	977.0				
						0	7					
P - BUS - Coach - Diesel - Euro 1 (1992-96)	37.8	54.9	40.8	37.8	974.6	1420.	1057.	974.6				
						4	3					
P - BUS - Coach - Diesel - Euro 2 (1996-2001)	37.9	55.0	40.9	37.9	976.8	1423.	1059.	976.8				
						7	8					
P - BUS - Coach - Diesel - Euro 3 (2001-05)	37.9	55.1	41.0	37.9	978.4	1426.	1061.	978.4				
						1	5					
P - BUS - Coach - Diesel - Euro 4 (2005-09)	36.1	52.4	39.0	36.1	931.4	1357.	1010.	931.4				
						6	5					
P - BUS - Coach - Diesel - Euro 5 (2009-14)	35.4	51.4	38.3	35.4	913.6	1331.	991.2	913.6				
						5						
P - BUS - Coach - Diesel - Euro 6 (2015-19)	34.5	50.1	37.3	34.5	889.4	1296.	965.0	889.4				
						3						

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - BUS - Coach - Diesel - Euro 7 (2020-24)	33.6	48.8	36.4	33.6	867.7	1264. 6	941.3	867.7				
P - BUS - Coach - Diesel - Euro 8 (2025-29)	32.8	47.6	35.5	32.8	846.2	1233. 3	918.0	846.2				
P - BUS - Coach - Diesel - Euro 9 (2030-34)	32.0	46.5	34.6	32.0	825.2	1202. 8	895.3	825.2				
P - BUS - Coach - Diesel - Euro 10 (2035-39)	31.2	45.3	33.7	31.2	804.8	1173. 0	873.2	804.8				
P - BUS - Coach - Diesel - Euro 11 (2040-44)	30.4	44.2	32.9	30.4	784.9	1144. 0	851.6	784.9				
P - BUS - Coach - Diesel - Euro 12 (2045-50)	29.7	43.1	32.1	29.7	765.5	1115. 7	830.5	765.5				
P - BUS - Coach - Diesel - Euro 4 (2005-09) - HEV	37.9	55.0	41.0	37.9	977.9	1425. 3	1060. 9	977.9				
P - BUS - Coach - Diesel - Euro 5 (2009-14) - HEV	37.2	54.0	40.2	37.2	960.0	1399. 2	1041. 5	960.0				
P - BUS - Coach - Diesel - Euro 6 (2015-19) - HEV	36.2	52.6	39.2	36.2	935.2	1363. 1	1014. 7	935.2				
P - BUS - Coach - Diesel - Euro 7 (2020-24) - HEV	35.4	51.4	38.2	35.4	912.4	1329. 8	989.9	912.4				
P - BUS - Coach - Diesel - Euro 8 (2025-29) - HEV	34.5	50.1	37.3	34.5	889.8	1296. 9	965.4	889.8				
P - BUS - Coach - Diesel - Euro 9 (2030-34) - HEV	33.6	48.8	36.4	33.6	867.8	1264. 8	941.5	867.8				
P - BUS - Coach - Diesel - Euro 10 (2035-39) - HEV	32.8	47.6	35.5	32.8	846.3	1233. 5	918.2	846.3				
P - BUS - Coach - Diesel - Euro 11 (2040-44) - HEV	32.0	46.5	34.6	32.0	825.3	1202. 9	895.4	825.3				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
P - BUS - Coach - Diesel - Euro 12 (2045-50) - HEV	31.2	45.3	33.7	31.2	804.9	1173. 2	873.3	804.9				
P - BUS - Coach - Biodiesel (FT, synthetic) - Standard 1	42.5	62.1	46.0	42.5	1029. 3	1506. 7	1116. 5	1029. 3				
P - BUS - Coach - Biodiesel (FT, synthetic) - Standard 2	42.5	61.8	46.0	42.5	1029. 2	1500. 1	1116. 6	1029. 2				
P - BUS - Coach - Biodiesel (FT, synthetic) - Standard 3	39.6	57.5	42.8	39.6	958.0	1396. 3	1039. 4	958.0				
P - BUS - Coach - Electricity - Euro 4 (2005-09)									135.4	103.0	102.3	135.4
P - BUS - Coach - Electricity - Euro 5 (2009-14)									130.0	98.9	98.2	130.0
P - BUS - Coach - Electricity - Euro 6 (2015-19)									122.4	93.1	92.5	122.4
P - BUS - Coach - Electricity - Euro 7 (2020-24)									116.4	88.6	88.0	116.4
P - BUS - Coach - Electricity - Euro 8 (2025-29)									110.7	84.2	83.6	110.7
P - BUS - Coach - Electricity - Euro 9 (2030-34)									105.3	80.1	79.5	105.3
P - BUS - Coach - Electricity - Euro 10 (2035-39)									100.1	76.2	75.6	100.1
P - BUS - Coach - Electricity - Euro 11 (2040-44)									95.2	72.4	71.9	95.2
P - BUS - Coach - Electricity - Euro 12 (2045-50)									90.6	68.9	68.4	90.6
P - BUS - Coach - Gaseous Hydrogen - Fuel Cell	240.7	240.7	240.7	240.7								
F - TRUCK - PanelSideVan - Gasoline - Conventional (pre-EURO)	16.3	18.3	14.6	15.9	376.5	422.2	337.5	367.2				
F - TRUCK - PanelSideVan - Gasoline - Euro 1 (1992-96)	15.6	18.1	13.8	14.6	360.8	417.9	317.9	336.5				
F - TRUCK - PanelSideVan - Gasoline - Euro 2 (1996- 2001)	14.5	16.8	12.8	13.5	334.8	387.8	295.0	312.2				
F - TRUCK - PanelSideVan - Gasoline - Euro 3 (2001-05)	12.7	14.7	11.2	11.8	291.8	338.0	257.1	272.2				
F - TRUCK - PanelSideVan - Gasoline - Euro 4 (2005-09)	11.6	13.5	10.2	10.8	267.8	310.3	236.0	249.8				
F - TRUCK - PanelSideVan - Gasoline - Euro 5 (2009-14)	10.7	12.4	9.4	9.9	245.9	284.9	216.7	229.4				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - PanelSideVan - Gasoline - Euro 6 (2015-19)	9.8	11.4	8.7	9.2	226.6	262.5	199.7	211.4				
F - TRUCK - PanelSideVan - Gasoline - Euro 7 (2020-24)	9.1	10.6	8.0	8.5	210.4	243.7	185.4	196.2				
F - TRUCK - PanelSideVan - Gasoline - Euro 8 (2025-29)	8.5	9.8	7.5	7.9	195.1	226.0	171.9	181.9				
F - TRUCK - PanelSideVan - Gasoline - Euro 9 (2030-34)	7.8	9.1	6.9	7.3	180.9	209.5	159.4	168.7				
F - TRUCK - PanelSideVan - Gasoline - Euro 10 (2035-39)	7.3	8.4	6.4	6.8	167.7	194.3	147.8	156.4				
F - TRUCK - PanelSideVan - Gasoline - Euro 11 (2040-44)	6.7	7.8	5.9	6.3	155.5	180.1	137.0	145.0				
F - TRUCK - PanelSideVan - Gasoline - Euro 12 (2045-50)	6.3	7.2	5.5	5.8	144.2	167.0	127.0	134.5				
F - TRUCK - PanelSideVan - Diesel - Conventional (pre-EURO)	13.2	14.1	11.6	14.6	341.4	365.8	300.3	378.8				
F - TRUCK - PanelSideVan - Diesel - Euro 1 (1992-96)	13.0	13.9	11.4	14.4	336.3	359.8	296.0	373.7				
F - TRUCK - PanelSideVan - Diesel - Euro 2 (1996-2001)	11.9	12.8	10.5	13.3	310.0	331.7	272.9	344.5				
F - TRUCK - PanelSideVan - Diesel - Euro 3 (2001-05)	10.9	11.6	9.6	12.1	281.7	301.4	248.0	313.0				
F - TRUCK - PanelSideVan - Diesel - Euro 4 (2005-09)	10.1	10.8	8.9	11.2	261.1	279.4	229.9	290.2				
F - TRUCK - PanelSideVan - Diesel - Euro 5 (2009-14)	8.9	9.6	7.9	9.9	231.8	248.0	204.1	257.6				
F - TRUCK - PanelSideVan - Diesel - Euro 6 (2015-19)	8.2	8.8	7.2	9.2	213.5	228.5	188.0	237.3				
F - TRUCK - PanelSideVan - Diesel - Euro 7 (2020-24)	7.6	8.2	6.7	8.5	198.2	212.1	174.5	220.3				
F - TRUCK - PanelSideVan - Diesel - Euro 8 (2025-29)	7.1	7.6	6.2	7.9	183.8	196.7	161.8	204.2				
F - TRUCK - PanelSideVan - Diesel - Euro 9 (2030-34)	6.6	7.0	5.8	7.3	170.4	182.3	150.0	189.4				
F - TRUCK - PanelSideVan - Diesel - Euro 10 (2035-39)	6.1	6.5	5.4	6.8	158.0	169.1	139.1	175.6				
F - TRUCK - PanelSideVan - Diesel - Euro 11 (2040-44)	5.6	6.0	5.0	6.3	146.5	156.8	129.0	162.8				
F - TRUCK - PanelSideVan - Diesel - Euro 12 (2045-50)	5.2	5.6	4.6	5.8	135.8	145.4	119.6	151.0				
F - TRUCK - PanelSideVan - Diesel - Euro 4 (2005-09) - HEV	7.0	7.5	6.1	7.8	181.1	193.8	159.5	201.3				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - PanelSideVan - Diesel - Euro 5 (2009-14) - HEV	6.3	6.7	5.5	7.0	162.2	173.5	142.8	180.2				
F - TRUCK - PanelSideVan - Diesel - Euro 6 (2015-19) - HEV	5.8	6.2	5.1	6.4	149.5	159.9	131.6	166.1				
F - TRUCK - PanelSideVan - Diesel - Euro 7 (2020-24) - HEV	5.3	5.7	4.7	5.9	138.7	148.5	122.2	154.2				
F - TRUCK - PanelSideVan - Diesel - Euro 8 (2025-29) - HEV	5.0	5.3	4.4	5.5	128.6	137.7	113.3	143.0				
F - TRUCK - PanelSideVan - Diesel - Euro 9 (2030-34) - HEV	4.6	4.9	4.0	5.1	119.3	127.6	105.0	132.6				
F - TRUCK - PanelSideVan - Diesel - Euro 10 (2035-39) - HEV	4.3	4.6	3.8	4.7	110.6	118.4	97.4	122.9				
F - TRUCK - PanelSideVan - Diesel - Euro 11 (2040-44) - HEV	4.0	4.2	3.5	4.4	102.6	109.7	90.3	114.0				
F - TRUCK - PanelSideVan - Diesel - Euro 12 (2045-50) - HEV	3.7	3.9	3.2	4.1	95.1	101.8	83.7	105.7				
F - TRUCK - PanelSideVan - Diesel - Euro 5 (2009-14) - PHEV	5.4		5.0	6.3	141.1		130.1	164.2	38.6	38.6		
F - TRUCK - PanelSideVan - Diesel - Euro 6 (2015-19) - PHEV	5.1		4.7	5.9	132.5		122.2	154.2	35.2	35.2		
F - TRUCK - PanelSideVan - Diesel - Euro 7 (2020-24) - PHEV	4.7		4.4	5.5	122.8		113.3	143.0	32.7	32.7		
F - TRUCK - PanelSideVan - Diesel - Euro 8 (2025-29) - PHEV	4.4		4.0	5.1	113.9		105.0	132.6	30.3	30.3		
F - TRUCK - PanelSideVan - Diesel - Euro 9 (2030-34) - PHEV	4.1		3.8	4.7	105.6		97.4	122.9	28.1	28.1		
F - TRUCK - PanelSideVan - Diesel - Euro 10 (2035-39) - PHEV	3.8		3.5	4.4	97.9		90.3	114.0	26.0	26.0		

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - PanelSideVan - Diesel - Euro 11 (2040-44) - PHEV	3.5		3.2	4.1	90.8		83.7	105.7	24.1	24.1		
F - TRUCK - PanelSideVan - Diesel - Euro 12 (2045-50) - PHEV	3.3		3.0	3.8	85.5		78.8	99.5	22.4	22.4		
F - TRUCK - PanelSideVan - Liquified Petroleum Gas - Euro 3 (2001-05)	20.7	22.1	18.2	23.0	291.6	312.0	256.7	324.0				
F - TRUCK - PanelSideVan - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09)	12.6	14.6	11.1	11.8	214.9	248.9	189.3	200.4				
F - TRUCK - PanelSideVan - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	11.7	13.5	10.3	10.9	198.1	229.5	174.5	184.7				
F - TRUCK - PanelSideVan - Biodiesel (FT, synthetic) - Euro 4 (2005-09)	11.8	12.6	10.4	13.1	286.4	306.5	252.1	318.3				
F - TRUCK - PanelSideVan - Biodiesel (FT, synthetic) - Euro 5 (2009-14)	10.5	11.2	9.2	11.6	254.1	272.0	223.8	282.4				
F - TRUCK - PanelSideVan - Electricity - Euro 3 (2001-05)									53.8	50.3	50.9	66.9
F - TRUCK - PanelSideVan - Electricity - Euro 4 (2005-09)									45.9	43.0	43.5	57.1
F - TRUCK - PanelSideVan - Electricity - Euro 5 (2009-14)									40.7	38.0	38.5	50.5
F - TRUCK - PanelSideVan - Electricity - Euro 6 (2015-19)									37.1	34.7	35.1	46.2
F - TRUCK - PanelSideVan - Electricity - Euro 7 (2020-24)									34.4	32.2	32.6	42.8
F - TRUCK - PanelSideVan - Electricity - Euro 8 (2025-29)									31.9	29.8	30.2	39.7
F - TRUCK - PanelSideVan - Electricity - Euro 9 (2030-34)									29.6	27.7	28.0	36.8

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - PanelSideVan - Electricity - Euro 10 (2035-39)									27.4	25.7	26.0	34.1
F - TRUCK - PanelSideVan - Electricity - Euro 11 (2040-44)									25.4	23.8	24.1	31.6
F - TRUCK - PanelSideVan - Electricity - Euro 12 (2045-50)									23.6	22.1	22.3	29.3
F - TRUCK - Medium - Diesel - Conventional (pre-EURO)	26.3	29.3	23.1	27.1	681.2	756.9	599.1	702.2				
F - TRUCK - Medium - Diesel - Euro 1 (1992-96)	26.3	29.2	23.1	27.1	680.6	755.2	599.0	702.5				
F - TRUCK - Medium - Diesel - Euro 2 (1996-2001)	26.0	28.9	22.9	26.8	673.0	746.8	592.3	694.6				
F - TRUCK - Medium - Diesel - Euro 3 (2001-05)	25.1	27.9	22.1	25.9	649.1	720.3	571.3	670.0				
F - TRUCK - Medium - Diesel - Euro 4 (2005-09)	23.3	25.9	20.5	24.1	603.4	669.6	531.1	622.9				
F - TRUCK - Medium - Diesel - Euro 5 (2009-14)	22.0	24.5	19.4	22.7	569.5	631.9	501.2	587.8				
F - TRUCK - Medium - Diesel - Euro 6 (2015-19)	20.3	22.5	17.8	20.9	524.4	581.9	461.6	541.3				
F - TRUCK - Medium - Diesel - Euro 7 (2020-24)	18.8	20.9	16.6	19.4	486.7	540.1	428.4	502.4				
F - TRUCK - Medium - Diesel - Euro 8 (2025-29)	17.5	19.4	15.3	18.0	451.3	500.8	397.2	465.8				
F - TRUCK - Medium - Diesel - Euro 9 (2030-34)	16.2	18.0	14.2	16.7	418.4	464.3	368.3	431.9				
F - TRUCK - Medium - Diesel - Euro 10 (2035-39)	15.0	16.7	13.2	15.5	388.0	430.5	341.5	400.5				
F - TRUCK - Medium - Diesel - Euro 11 (2040-44)	13.9	15.5	12.2	14.3	359.7	399.2	316.6	371.3				
F - TRUCK - Medium - Diesel - Euro 12 (2045-50)	12.9	14.3	11.3	13.3	333.5	370.1	293.6	344.3				
F - TRUCK - Medium - Liquefied Petroleum Gas - Euro 3 (2001-05)	46.1	51.2	40.5	47.5	647.9	719.0	570.3	668.8				
F - TRUCK - Medium - Biodiesel (FT, synthetic) - Euro 4 (2005-09)	28.5	31.7	25.1	29.4	690.5	766.3	607.8	712.8				
F - TRUCK - Medium - Biodiesel (FT, synthetic) - Euro 5 (2009-14)	27.0	30.0	23.7	27.8	653.9	725.7	575.6	675.0				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - Medium - Biodiesel (FT, synthetic) - Euro 7 (2020-24)	23.0	25.6	20.3	23.7	558.4	619.6	491.5	576.4				
F - TRUCK - Medium - Biodiesel (FT, synthetic) - Euro 9 (2030-34)	19.8	22.0	17.4	20.4	480.1	532.7	422.6	495.5				
F - TRUCK - Medium - Electricity - Standard 1									93.5	87.5	88.4	116.1
F - TRUCK - Medium - Electricity - Standard 2									80.4	75.2	76.0	99.8
F - TRUCK - Medium - Electricity - Standard 3									69.1	64.7	65.4	85.8
F - TRUCK - Medium - Liquefied Hydrogen - Euro 4 (2005-09)	87.0	96.7	76.5	89.7								
F - TRUCK - Heavy - Diesel - Conventional (pre-EURO)	38.5	44.9	33.4	36.6	1000. 3	1164. 0	866.2	954.0				
F - TRUCK - Heavy - Diesel - Euro 1 (1992-96)	38.5	44.8	33.3	36.6	999.2	1161. 5	866.0	954.1				
F - TRUCK - Heavy - Diesel - Euro 2 (1996-2001)	38.0	44.3	33.0	36.2	988.0	1148. 5	856.3	943.5				
F - TRUCK - Heavy - Diesel - Euro 3 (2001-05)	36.7	42.7	31.8	34.9	953.0	1107. 8	826.0	910.0				
F - TRUCK - Heavy - Diesel - Euro 4 (2005-09)	34.1	39.7	29.6	32.5	886.0	1029. 8	767.9	846.0				
F - TRUCK - Heavy - Diesel - Euro 5 (2009-14)	32.2	37.5	27.9	30.6	836.1	971.9	724.6	798.4				
F - TRUCK - Heavy - Diesel - Euro 6 (2015-19)	29.6	34.5	25.7	28.2	769.9	894.9	667.3	735.2				
F - TRUCK - Heavy - Diesel - Euro 7 (2020-24)	27.5	32.0	23.8	26.2	714.6	830.6	619.3	682.3				
F - TRUCK - Heavy - Diesel - Euro 8 (2025-29)	25.5	29.7	22.1	24.3	662.6	770.1	574.2	632.7				
F - TRUCK - Heavy - Diesel - Euro 9 (2030-34)	23.7	27.5	20.5	22.5	614.3	714.1	532.4	586.6				
F - TRUCK - Heavy - Diesel - Euro 10 (2035-39)	21.9	25.5	19.0	20.9	569.6	662.1	493.7	543.9				
F - TRUCK - Heavy - Diesel - Euro 11 (2040-44)	20.3	23.7	17.6	19.3	528.2	613.9	457.8	504.3				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - Heavy - Diesel - Euro 12 (2045-50)	18.9	21.9	16.3	17.9	489.7	569.2	424.4	467.6				
F - TRUCK - Heavy - Liquified Petroleum Gas - Euro 3 (2001-05)	67.3	78.4	58.3	64.1	951.3	1105.8	824.5	908.4				
F - TRUCK - Heavy - Biodiesel (FT, synthetic) - Euro 4 (2005-09)	43.8	50.9	37.9	41.6	1065.3	1238.3	923.3	1017.3				
F - TRUCK - Heavy - Biodiesel (FT, synthetic) - Euro 5 (2009-14)	41.4	48.2	35.9	39.4	1008.1	1171.8	873.8	962.7				
F - TRUCK - Heavy - Biodiesel (FT, synthetic) - Euro 7 (2020-24)	35.4	41.2	30.6	33.6	860.8	1000.6	746.1	822.0				
F - TRUCK - Heavy - Biodiesel (FT, synthetic) - Euro 9 (2030-34)	30.4	35.4	26.3	28.9	740.1	860.3	641.4	706.7				
F - TRUCK - Heavy - Liquefied Hydrogen - Euro 4 (2005-09)	127.2	148.1	110.2	121.0								
F - TRUCK - CarDerivedVan - Gasoline - Euro 1 (1992-96)	11.8	13.6	10.4	11.0	270.9	313.8	238.7	252.7				
F - TRUCK - CarDerivedVan - Gasoline - Euro 2 (1996-2001)	11.4	13.2	10.0	10.6	262.9	304.5	231.6	245.2				
F - TRUCK - CarDerivedVan - Gasoline - Euro 3 (2001-05)	10.5	12.1	9.2	9.8	241.0	279.2	212.4	224.8				
F - TRUCK - CarDerivedVan - Gasoline - Euro 4 (2005-09)	9.9	11.5	8.8	9.3	229.1	265.4	201.9	213.7				
F - TRUCK - CarDerivedVan - Gasoline - Euro 5 (2009-14)	8.5	9.9	7.5	8.0	197.0	228.2	173.6	183.8				
F - TRUCK - CarDerivedVan - Gasoline - Euro 6 (2015-19)	7.9	9.1	6.9	7.3	181.6	210.3	160.0	169.3				
F - TRUCK - CarDerivedVan - Gasoline - Euro 7 (2020-24)	7.3	8.5	6.4	6.8	168.6	195.3	148.5	157.2				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - CarDerivedVan - Gasoline - Euro 8 (2025-29)	6.8	7.9	6.0	6.3	156.3	181.0	137.7	145.8				
F - TRUCK - CarDerivedVan - Gasoline - Euro 9 (2030-34)	6.3	7.3	5.5	5.9	144.9	167.9	127.7	135.2				
F - TRUCK - CarDerivedVan - Gasoline - Euro 10 (2035-39)	5.8	6.7	5.1	5.4	134.4	155.6	118.4	125.3				
F - TRUCK - CarDerivedVan - Gasoline - Euro 11 (2040-44)	5.4	6.3	4.8	5.0	124.6	144.3	109.8	116.2				
F - TRUCK - CarDerivedVan - Gasoline - Euro 12 (2045-50)	5.0	5.8	4.4	4.7	115.5	133.8	101.8	107.7				
F - TRUCK - CarDerivedVan - Diesel - Euro 1 (1992-96)	9.4	10.0	8.2	10.4	242.7	259.7	213.7	269.7				
F - TRUCK - CarDerivedVan - Diesel - Euro 2 (1996-2001)	8.7	9.3	7.6	9.6	224.7	240.5	197.8	249.7				
F - TRUCK - CarDerivedVan - Diesel - Euro 3 (2001-05)	8.0	8.5	7.0	8.9	206.8	221.3	182.1	229.8				
F - TRUCK - CarDerivedVan - Diesel - Euro 4 (2005-09)	7.6	8.2	6.7	8.5	197.8	211.7	174.1	219.8				
F - TRUCK - CarDerivedVan - Diesel - Euro 5 (2009-14)	6.6	7.1	5.8	7.3	171.0	182.9	150.5	190.0				
F - TRUCK - CarDerivedVan - Diesel - Euro 6 (2015-19)	6.1	6.5	5.3	6.8	157.5	168.6	138.7	175.1				
F - TRUCK - CarDerivedVan - Diesel - Euro 7 (2020-24)	5.6	6.0	5.0	6.3	146.3	156.5	128.8	162.5				
F - TRUCK - CarDerivedVan - Diesel - Euro 8 (2025-29)	5.2	5.6	4.6	5.8	135.6	145.1	119.4	150.7				
F - TRUCK - CarDerivedVan - Diesel - Euro 9 (2030-34)	4.8	5.2	4.3	5.4	125.7	134.5	110.7	139.7				
F - TRUCK - CarDerivedVan - Diesel - Euro 10 (2035-39)	4.5	4.8	4.0	5.0	116.6	124.8	102.6	129.6				
F - TRUCK - CarDerivedVan - Diesel - Euro 11 (2040-44)	4.2	4.5	3.7	4.6	108.1	115.7	95.2	120.1				
F - TRUCK - CarDerivedVan - Diesel - Euro 12 (2045-50)	3.9	4.1	3.4	4.3	100.2	107.3	88.2	111.4				
F - TRUCK - CarDerivedVan - Diesel - Euro 4 (2005-09) - HEV	5.3	5.6	4.6	5.9	136.9	146.5	120.6	152.2				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - CarDerivedVan - Diesel - Euro 5 (2009-14) - HEV	4.6	4.9	4.1	5.1	119.6	128.0	105.3	132.9				
F - TRUCK - CarDerivedVan - Diesel - Euro 6 (2015-19) - HEV	4.3	4.5	3.7	4.7	110.3	118.0	97.1	122.5				
F - TRUCK - CarDerivedVan - Diesel - Euro 7 (2020-24) - HEV	3.9	4.2	3.5	4.4	102.4	109.6	90.1	113.8				
F - TRUCK - CarDerivedVan - Diesel - Euro 8 (2025-29) - HEV	3.7	3.9	3.2	4.1	94.9	101.6	83.6	105.5				
F - TRUCK - CarDerivedVan - Diesel - Euro 9 (2030-34) - HEV	3.4	3.6	3.0	3.8	88.0	94.2	77.5	97.8				
F - TRUCK - CarDerivedVan - Diesel - Euro 10 (2035-39) - HEV	3.1	3.4	2.8	3.5	81.6	87.3	71.8	90.7				
F - TRUCK - CarDerivedVan - Diesel - Euro 11 (2040-44) - HEV	2.9	3.1	2.6	3.2	75.7	81.0	66.6	84.1				
F - TRUCK - CarDerivedVan - Diesel - Euro 12 (2045-50) - HEV	2.7	2.9	2.4	3.0	70.2	75.1	61.8	78.0				
F - TRUCK - CarDerivedVan - Diesel - Euro 5 (2009-14) - PHEV	4.0		3.7	4.7	104.1		96.0	121.1	28.5	28.5		
F - TRUCK - CarDerivedVan - Diesel - Euro 6 (2015-19) - PHEV	3.8		3.5	4.4	97.7		90.1	113.8	26.0	26.0		
F - TRUCK - CarDerivedVan - Diesel - Euro 7 (2020-24) - PHEV	3.5		3.2	4.1	90.6		83.6	105.5	24.1	24.1		
F - TRUCK - CarDerivedVan - Diesel - Euro 8 (2025-29) - PHEV	3.2		3.0	3.8	84.0		77.5	97.8	22.3	22.3		
F - TRUCK - CarDerivedVan - Diesel - Euro 9 (2030-34) - PHEV	3.0		2.8	3.5	77.9		71.8	90.7	20.7	20.7		
F - TRUCK - CarDerivedVan - Diesel - Euro 10 (2035-39) - PHEV	2.8		2.6	3.2	72.2		66.6	84.1	19.2	19.2		

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - CarDerivedVan - Diesel - Euro 11 (2040-44) - PHEV	2.6		2.4	3.0	67.0		61.8	78.0	17.8	17.8		
F - TRUCK - CarDerivedVan - Diesel - Euro 12 (2045-50) - PHEV	2.4		2.2	2.8	63.1		58.1	73.4	16.5	16.5		
F - TRUCK - CarDerivedVan - Liquified Petroleum Gas - Euro 3 (2001-05)	17.0	18.2	15.0	19.0	240.6	257.5	211.8	267.4				
F - TRUCK - CarDerivedVan - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09)	10.8	12.5	9.5	10.1	183.6	212.7	161.8	171.2				
F - TRUCK - CarDerivedVan - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	9.3	10.8	8.2	8.7	158.7	183.8	139.8	148.0				
F - TRUCK - CarDerivedVan - Biodiesel (FT, synthetic) - Euro 4 (2005-09)	8.9	9.5	7.9	9.9	216.9	232.1	191.0	241.1				
F - TRUCK - CarDerivedVan - Biodiesel (FT, synthetic) - Euro 5 (2009-14)	7.7	8.2	6.8	8.6	187.5	200.7	165.1	208.4				
F - TRUCK - CarDerivedVan - Electricity - Euro 3 (2001-05)									39.5	36.9	37.3	49.1
F - TRUCK - CarDerivedVan - Electricity - Euro 4 (2005-09)									34.8	32.5	32.9	43.3
F - TRUCK - CarDerivedVan - Electricity - Euro 5 (2009-14)									30.0	28.1	28.4	37.3
F - TRUCK - CarDerivedVan - Electricity - Euro 6 (2015-19)									27.4	25.6	25.9	34.1
F - TRUCK - CarDerivedVan - Electricity - Euro 7 (2020-24)									25.4	23.8	24.0	31.6
F - TRUCK - CarDerivedVan - Electricity - Euro 8 (2025-29)									23.6	22.0	22.3	29.3
F - TRUCK - CarDerivedVan - Electricity - Euro 9 (2030-34)									21.8	20.4	20.7	27.2

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - CarDerivedVan - Electricity - Euro 10 (2035-39)									20.2	18.9	19.2	25.2
F - TRUCK - CarDerivedVan - Electricity - Euro 11 (2040-44)									18.8	17.6	17.8	23.3
F - TRUCK - CarDerivedVan - Electricity - Euro 12 (2045-50)									17.4	16.3	16.5	21.6
F - TRUCK - Pickup4x4Van - Gasoline - Euro 1 (1992-96)	15.2	17.7	13.4	14.2	351.5	407.2	309.7	327.9				
F - TRUCK - Pickup4x4Van - Gasoline - Euro 2 (1996-2001)	14.5	16.8	12.8	13.6	335.0	388.1	295.2	312.5				
F - TRUCK - Pickup4x4Van - Gasoline - Euro 3 (2001-05)	13.6	15.8	12.0	12.7	314.4	364.2	277.0	293.2				
F - TRUCK - Pickup4x4Van - Gasoline - Euro 4 (2005-09)	12.4	14.4	10.9	11.6	286.0	331.3	252.0	266.8				
F - TRUCK - Pickup4x4Van - Gasoline - Euro 5 (2009-14)	11.0	12.7	9.7	10.3	253.6	293.8	223.5	236.6				
F - TRUCK - Pickup4x4Van - Gasoline - Euro 6 (2015-19)	10.1	11.7	8.9	9.5	233.7	270.8	205.9	218.0				
F - TRUCK - Pickup4x4Van - Gasoline - Euro 7 (2020-24)	9.4	10.9	8.3	8.8	217.0	251.4	191.2	202.4				
F - TRUCK - Pickup4x4Van - Gasoline - Euro 8 (2025-29)	8.7	10.1	7.7	8.1	201.2	233.1	177.3	187.6				
F - TRUCK - Pickup4x4Van - Gasoline - Euro 9 (2030-34)	8.1	9.4	7.1	7.5	186.6	216.1	164.4	174.0				
F - TRUCK - Pickup4x4Van - Gasoline - Euro 10 (2035-39)	7.5	8.7	6.6	7.0	173.0	200.4	152.4	161.3				
F - TRUCK - Pickup4x4Van - Gasoline - Euro 11 (2040-44)	7.0	8.1	6.1	6.5	160.4	185.8	141.3	149.6				
F - TRUCK - Pickup4x4Van - Gasoline - Euro 12 (2045-50)	6.4	7.5	5.7	6.0	148.7	172.3	131.0	138.7				
F - TRUCK - Pickup4x4Van - Diesel - Euro 1 (1992-96)	13.4	14.3	11.8	14.8	346.4	370.7	305.0	385.0				
F - TRUCK - Pickup4x4Van - Diesel - Euro 2 (1996-2001)	12.4	13.3	10.9	13.8	322.5	345.1	283.9	358.4				
F - TRUCK - Pickup4x4Van - Diesel - Euro 3 (2001-05)	11.4	12.2	10.0	12.7	295.2	315.9	259.9	328.1				
F - TRUCK - Pickup4x4Van - Diesel - Euro 4 (2005-09)	10.6	11.4	9.4	11.8	275.9	295.2	242.9	306.6				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - Pickup4x4Van - Diesel - Euro 5 (2009-14)	9.3	10.0	8.2	10.4	242.1	259.0	213.1	269.0				
F - TRUCK - Pickup4x4Van - Diesel - Euro 6 (2015-19)	8.6	9.2	7.6	9.6	223.1	238.7	196.4	247.9				
F - TRUCK - Pickup4x4Van - Diesel - Euro 7 (2020-24)	8.0	8.5	7.0	8.9	207.1	221.6	182.3	230.1				
F - TRUCK - Pickup4x4Van - Diesel - Euro 8 (2025-29)	7.4	7.9	6.5	8.2	192.0	205.5	169.0	213.4				
F - TRUCK - Pickup4x4Van - Diesel - Euro 9 (2030-34)	6.9	7.3	6.0	7.6	178.0	190.5	156.7	197.8				
F - TRUCK - Pickup4x4Van - Diesel - Euro 10 (2035-39)	6.4	6.8	5.6	7.1	165.1	176.6	145.3	183.4				
F - TRUCK - Pickup4x4Van - Diesel - Euro 11 (2040-44)	5.9	6.3	5.2	6.6	153.1	163.8	134.8	170.1				
F - TRUCK - Pickup4x4Van - Diesel - Euro 12 (2045-50)	5.5	5.9	4.8	6.1	141.9	151.9	124.9	157.7				
F - TRUCK - Pickup4x4Van - Diesel - Euro 4 (2005-09) - HEV	7.4	7.9	6.5	8.2	191.0	204.4	168.2	212.3				
F - TRUCK - Pickup4x4Van - Diesel - Euro 5 (2009-14) - HEV	6.5	7.0	5.7	7.3	169.4	181.2	149.1	188.2				
F - TRUCK - Pickup4x4Van - Diesel - Euro 6 (2015-19) - HEV	6.0	6.4	5.3	6.7	156.1	167.1	137.5	173.5				
F - TRUCK - Pickup4x4Van - Diesel - Euro 7 (2020-24) - HEV	5.6	6.0	4.9	6.2	145.0	155.1	127.6	161.1				
F - TRUCK - Pickup4x4Van - Diesel - Euro 8 (2025-29) - HEV	5.2	5.5	4.6	5.8	134.4	143.8	118.3	149.4				
F - TRUCK - Pickup4x4Van - Diesel - Euro 9 (2030-34) - HEV	4.8	5.1	4.2	5.3	124.6	133.4	109.7	138.5				
F - TRUCK - Pickup4x4Van - Diesel - Euro 10 (2035-39) - HEV	4.5	4.8	3.9	5.0	115.6	123.6	101.7	128.4				
F - TRUCK - Pickup4x4Van - Diesel - Euro 11 (2040-44) - HEV	4.1	4.4	3.6	4.6	107.1	114.6	94.3	119.1				
F - TRUCK - Pickup4x4Van - Diesel - Euro 12 (2045-50) - HEV	3.8	4.1	3.4	4.3	99.3	106.3	87.5	110.4				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - Pickup4x4Van - Diesel - Euro 5 (2009-14) - PHEV	5.7		5.2	6.6	147.3		135.9	171.5	40.3	40.3		
F - TRUCK - Pickup4x4Van - Diesel - Euro 6 (2015-19) - PHEV	5.3		4.9	6.2	138.4		127.6	161.1	36.8	36.8		
F - TRUCK - Pickup4x4Van - Diesel - Euro 7 (2020-24) - PHEV	4.9		4.6	5.8	128.3		118.3	149.4	34.1	34.1		
F - TRUCK - Pickup4x4Van - Diesel - Euro 8 (2025-29) - PHEV	4.6		4.2	5.3	119.0		109.7	138.5	31.6	31.6		
F - TRUCK - Pickup4x4Van - Diesel - Euro 9 (2030-34) - PHEV	4.3		3.9	5.0	110.3		101.7	128.4	29.3	29.3		
F - TRUCK - Pickup4x4Van - Diesel - Euro 10 (2035-39) - PHEV	3.9		3.6	4.6	102.3		94.3	119.1	27.2	27.2		
F - TRUCK - Pickup4x4Van - Diesel - Euro 11 (2040-44) - PHEV	3.7		3.4	4.3	94.8		87.5	110.4	25.2	25.2		
F - TRUCK - Pickup4x4Van - Diesel - Euro 12 (2045-50) - PHEV	3.4		3.2	4.0	89.3		82.3	103.9	23.4	23.4		
F - TRUCK - Pickup4x4Van - Liquefied Petroleum Gas - Euro 3 (2001-05)	22.2	23.8	19.6	24.7	313.8	335.8	276.3	348.7				
F - TRUCK - Pickup4x4Van - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09)	13.5	15.6	11.9	12.6	229.2	265.5	201.9	213.7				
F - TRUCK - Pickup4x4Van - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	12.0	13.9	10.6	11.2	204.3	236.7	180.0	190.5				
F - TRUCK - Pickup4x4Van - Biodiesel (FT, synthetic) - Euro 4 (2005-09)	12.4	13.3	10.9	13.8	302.3	323.5	266.2	336.0				
F - TRUCK - Pickup4x4Van - Biodiesel (FT, synthetic) - Euro 5 (2009-14)	10.9	11.7	9.6	12.1	265.5	284.1	233.8	295.1				
F - TRUCK - Pickup4x4Van - Electricity - Euro 3 (2001-05)									56.4	52.7	53.3	70.1

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - Pickup4x4Van - Electricity - Euro 4 (2005-09)									48.5	45.4	45.9	60.4
F - TRUCK - Pickup4x4Van - Electricity - Euro 5 (2009-14)									42.5	39.7	40.2	52.8
F - TRUCK - Pickup4x4Van - Electricity - Euro 6 (2015-19)									38.8	36.3	36.7	48.2
F - TRUCK - Pickup4x4Van - Electricity - Euro 7 (2020-24)									36.0	33.6	34.0	44.7
F - TRUCK - Pickup4x4Van - Electricity - Euro 8 (2025-29)									33.3	31.2	31.6	41.5
F - TRUCK - Pickup4x4Van - Electricity - Euro 9 (2030-34)									30.9	28.9	29.3	38.4
F - TRUCK - Pickup4x4Van - Electricity - Euro 10 (2035-39)									28.7	26.8	27.1	35.6
F - TRUCK - Pickup4x4Van - Electricity - Euro 11 (2040-44)									26.6	24.9	25.2	33.1
F - TRUCK - Pickup4x4Van - Electricity - Euro 12 (2045-50)									24.6	23.0	23.3	30.6
F - TRUCK - DropAndTipVan - Gasoline - Euro 1 (1992-96)	16.4	19.0	14.4	15.3	377.3	437.1	332.4	351.9				
F - TRUCK - DropAndTipVan - Gasoline - Euro 2 (1996-2001)	14.6	16.9	12.8	13.6	336.0	389.2	296.0	313.3				
F - TRUCK - DropAndTipVan - Gasoline - Euro 3 (2001-05)	13.8	15.9	12.1	12.8	317.4	367.6	279.6	296.0				
F - TRUCK - DropAndTipVan - Gasoline - Euro 4 (2005-09)	9.8	11.3	8.6	9.1	225.8	261.6	199.0	210.6				
F - TRUCK - DropAndTipVan - Gasoline - Euro 5 (2009-14)	9.1	10.5	8.0	8.4	208.8	241.9	184.0	194.8				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - DropAndTipVan - Diesel - Euro 1 (1992-96)	13.0	13.9	11.4	14.4	336.1	359.6	295.9	373.5				
F - TRUCK - DropAndTipVan - Diesel - Euro 2 (1996-2001)	11.8	12.6	10.4	13.1	305.7	327.1	269.1	339.7				
F - TRUCK - DropAndTipVan - Diesel - Euro 3 (2001-05)	11.2	12.0	9.9	12.5	291.7	312.1	256.8	324.2				
F - TRUCK - DropAndTipVan - Diesel - Euro 4 (2005-09)	10.4	11.1	9.2	11.6	270.3	289.2	238.0	300.4				
F - TRUCK - DropAndTipVan - Diesel - Euro 5 (2009-14)	9.3	9.9	8.2	10.3	241.1	258.0	212.2	267.9				
F - TRUCK - DropAndTipVan - Diesel - Euro 6 (2015-19)	8.6	9.2	7.5	9.5	222.2	237.7	195.6	246.9				
F - TRUCK - DropAndTipVan - Diesel - Euro 7 (2020-24)	8.0	8.5	7.0	8.8	206.2	220.7	181.6	229.2				
F - TRUCK - DropAndTipVan - Diesel - Euro 8 (2025-29)	7.4	7.9	6.5	8.2	191.2	204.6	168.4	212.5				
F - TRUCK - DropAndTipVan - Diesel - Euro 9 (2030-34)	6.8	7.3	6.0	7.6	177.3	189.7	156.1	197.0				
F - TRUCK - DropAndTipVan - Diesel - Euro 10 (2035-39)	6.3	6.8	5.6	7.0	164.4	175.9	144.7	182.7				
F - TRUCK - DropAndTipVan - Diesel - Euro 11 (2040-44)	5.9	6.3	5.2	6.5	152.4	163.1	134.2	169.4				
F - TRUCK - DropAndTipVan - Diesel - Euro 12 (2045-50)	5.4	5.8	4.8	6.1	141.3	151.3	124.4	157.1				
F - TRUCK - DropAndTipVan - Diesel - Euro 4 (2005-09) - HEV	7.2	7.7	6.3	8.0	187.1	200.2	164.7	207.9				
F - TRUCK - DropAndTipVan - Diesel - Euro 5 (2009-14) - HEV	6.5	7.0	5.7	7.2	168.7	180.5	148.5	187.5				
F - TRUCK - DropAndTipVan - Diesel - Euro 6 (2015-19) - HEV	6.0	6.4	5.3	6.7	155.5	166.4	136.9	172.8				
F - TRUCK - DropAndTipVan - Diesel - Euro 7 (2020-24) - HEV	5.6	6.0	4.9	6.2	144.4	154.5	127.1	160.4				
F - TRUCK - DropAndTipVan - Diesel - Euro 8 (2025-29) - HEV	5.2	5.5	4.5	5.7	133.9	143.2	117.9	148.8				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - DropAndTipVan - Diesel - Euro 9 (2030-34) - HEV	4.8	5.1	4.2	5.3	124.1	132.8	109.3	137.9				
F - TRUCK - DropAndTipVan - Diesel - Euro 10 (2035-39) - HEV	4.4	4.7	3.9	4.9	115.1	123.2	101.3	127.9				
F - TRUCK - DropAndTipVan - Diesel - Euro 11 (2040-44) - HEV	4.1	4.4	3.6	4.6	106.7	114.2	93.9	118.6				
F - TRUCK - DropAndTipVan - Diesel - Euro 12 (2045-50) - HEV	3.8	4.1	3.4	4.2	98.9	105.9	87.1	110.0				
F - TRUCK - DropAndTipVan - Diesel - Euro 5 (2009-14) - PHEV	5.7		5.2	6.6	146.6		135.2	170.7	40.1	40.1		
F - TRUCK - DropAndTipVan - Diesel - Euro 6 (2015-19) - PHEV	5.3		4.9	6.2	137.8		127.1	160.4	36.6	36.6		
F - TRUCK - DropAndTipVan - Diesel - Euro 7 (2020-24) - PHEV	4.9		4.5	5.7	127.8		117.9	148.8	34.0	34.0		
F - TRUCK - DropAndTipVan - Diesel - Euro 8 (2025-29) - PHEV	4.6		4.2	5.3	118.5		109.3	137.9	31.5	31.5		
F - TRUCK - DropAndTipVan - Diesel - Euro 9 (2030-34) - PHEV	4.2		3.9	4.9	109.9		101.3	127.9	29.2	29.2		
F - TRUCK - DropAndTipVan - Diesel - Euro 10 (2035-39) - PHEV	3.9		3.6	4.6	101.9		93.9	118.6	27.1	27.1		
F - TRUCK - DropAndTipVan - Diesel - Euro 11 (2040-44) - PHEV	3.6		3.4	4.2	94.5		87.1	110.0	25.1	25.1		
F - TRUCK - DropAndTipVan - Diesel - Euro 12 (2045-50) - PHEV	3.4		3.2	4.0	88.9		82.0	103.5	23.3	23.3		
F - TRUCK - DropAndTipVan - Liquefied Petroleum Gas - Euro 3 (2001-05)	22.4	24.0	19.8	25.0	316.8	339.0	278.9	352.0				
F - TRUCK - DropAndTipVan - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09)	10.7	12.4	9.4	10.0	181.5	210.2	159.9	169.2				

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - DropAndTipVan - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	9.9	11.5	8.7	9.2	168.3	195.0	148.3	157.0				
F - TRUCK - DropAndTipVan - Biodiesel (FT, synthetic) - Euro 4 (2005-09)	12.2	13.0	10.7	13.5	296.2	316.9	260.8	329.1				
F - TRUCK - DropAndTipVan - Biodiesel (FT, synthetic) - Euro 5 (2009-14)	10.9	11.6	9.6	12.1	264.3	282.8	232.7	293.7				
F - TRUCK - DropAndTipVan - Electricity - Euro 4 (2005-09)									47.6	44.5	45.0	59.1
F - TRUCK - DropAndTipVan - Electricity - Euro 5 (2009-14)									42.3	39.6	40.0	52.6
F - TRUCK - DropAndTipVan - Electricity - Euro 6 (2015-19)									38.6	36.1	36.6	48.0
F - TRUCK - DropAndTipVan - Electricity - Euro 7 (2020-24)									35.8	33.5	33.9	44.5
F - TRUCK - DropAndTipVan - Electricity - Euro 8 (2025-29)									33.2	31.1	31.4	41.3
F - TRUCK - DropAndTipVan - Electricity - Euro 9 (2030-34)									30.8	28.8	29.1	38.3
F - TRUCK - DropAndTipVan - Electricity - Euro 10 (2035-39)									28.6	26.7	27.0	35.5
F - TRUCK - DropAndTipVan - Electricity - Euro 11 (2040-44)									26.5	24.8	25.1	32.9
F - TRUCK - DropAndTipVan - Electricity - Euro 12 (2045-50)									24.5	23.0	23.2	30.5
F - TRUCK - BoxLutonInsVan - Gasoline - Euro 1 (1992-96)	16.0	18.6	14.1	14.9	369.6	428.1	325.6	344.7				
F - TRUCK - BoxLutonInsVan - Gasoline - Euro 2 (1996-2001)	13.9	16.1	12.2	13.0	320.2	370.9	282.1	298.6				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - BoxLutonInsVan - Gasoline - Euro 3 (2001-05)	12.6	14.6	11.1	11.7	290.1	336.0	255.6	270.5				
F - TRUCK - BoxLutonInsVan - Gasoline - Euro 4 (2005-09)	12.2	14.1	10.8	11.4	281.3	325.8	247.8	262.3				
F - TRUCK - BoxLutonInsVan - Gasoline - Euro 5 (2009-14)	12.2	14.2	10.8	11.4	281.9	326.5	248.3	262.9				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 1 (1992-96)	13.2	14.1	11.6	14.7	341.9	365.9	301.0	380.0				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 2 (1996-2001)	12.3	13.2	10.9	13.7	320.2	342.7	281.9	355.9				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 3 (2001-05)	11.2	12.0	9.9	12.5	290.8	311.2	256.1	323.2				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 4 (2005-09)	10.4	11.2	9.2	11.6	270.5	289.5	238.2	300.6				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 5 (2009-14)	9.3	9.9	8.2	10.3	240.2	257.0	211.4	266.9				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 6 (2015-19)	8.5	9.1	7.5	9.5	221.3	236.8	194.9	246.0				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 7 (2020-24)	7.9	8.5	7.0	8.8	205.5	219.9	180.9	228.3				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 8 (2025-29)	7.3	7.9	6.5	8.2	190.5	203.9	167.7	211.7				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 9 (2030-34)	6.8	7.3	6.0	7.6	176.6	189.0	155.5	196.3				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 10 (2035-39)	6.3	6.8	5.6	7.0	163.8	175.3	144.2	182.0				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 11 (2040-44)	5.9	6.3	5.2	6.5	151.9	162.5	133.7	168.8				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 12 (2045-50)	5.4	5.8	4.8	6.0	140.8	150.7	124.0	156.5				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 4 (2005-09) - HEV	7.1	7.6	6.3	7.9	184.6	197.5	162.5	205.1				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 5 (2009-14) - HEV	6.5	6.9	5.7	7.2	168.1	179.8	148.0	186.8				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - BoxLutonInsVan - Diesel - Euro 6 (2015-19) - HEV	6.0	6.4	5.3	6.6	154.9	165.8	136.4	172.2				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 7 (2020-24) - HEV	5.5	5.9	4.9	6.2	143.8	153.9	126.6	159.8				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 8 (2025-29) - HEV	5.1	5.5	4.5	5.7	133.4	142.7	117.4	148.2				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 9 (2030-34) - HEV	4.8	5.1	4.2	5.3	123.7	132.3	108.9	137.4				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 10 (2035-39) - HEV	4.4	4.7	3.9	4.9	114.7	122.7	100.9	127.4				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 11 (2040-44) - HEV	4.1	4.4	3.6	4.6	106.3	113.8	93.6	118.1				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 12 (2045-50) - HEV	3.8	4.1	3.3	4.2	98.6	105.5	86.8	109.5				
F - TRUCK - BoxLutonInsVan - Diesel - Euro 5 (2009-14) - PHEV	5.6		5.2	6.6	146.1		134.7	170.1	40.0	40.0		
F - TRUCK - BoxLutonInsVan - Diesel - Euro 6 (2015-19) - PHEV	5.3		4.9	6.2	137.3		126.6	159.8	36.5	36.5		
F - TRUCK - BoxLutonInsVan - Diesel - Euro 7 (2020-24) - PHEV	4.9		4.5	5.7	127.3		117.4	148.2	33.9	33.9		
F - TRUCK - BoxLutonInsVan - Diesel - Euro 8 (2025-29) - PHEV	4.6		4.2	5.3	118.1		108.9	137.4	31.4	31.4		
F - TRUCK - BoxLutonInsVan - Diesel - Euro 9 (2030-34) - PHEV	4.2		3.9	4.9	109.5		100.9	127.4	29.1	29.1		
F - TRUCK - BoxLutonInsVan - Diesel - Euro 10 (2035-39) - PHEV	3.9		3.6	4.6	101.5		93.6	118.1	27.0	27.0		
F - TRUCK - BoxLutonInsVan - Diesel - Euro 11 (2040-44) - PHEV	3.6		3.3	4.2	94.1		86.8	109.5	25.0	25.0		

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - BoxLutonInsVan - Diesel - Euro 12 (2045-50) - PHEV	3.4		3.1	4.0	88.6		81.7	103.1	23.2	23.2		
F - TRUCK - BoxLutonInsVan - Liquified Petroleum Gas - Euro 3 (2001-05)	20.5	21.9	18.1	22.8	289.5	309.7	254.8	321.7				
F - TRUCK - BoxLutonInsVan - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09)	13.3	15.4	11.7	12.4	225.3	260.9	198.5	210.1				
F - TRUCK - BoxLutonInsVan - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	13.4	15.5	11.8	12.5	227.2	263.2	200.2	211.9				
F - TRUCK - BoxLutonInsVan - Biodiesel (FT, synthetic) - Euro 4 (2005-09)	12.2	13.0	10.7	13.5	296.3	317.1	260.9	329.3				
F - TRUCK - BoxLutonInsVan - Biodiesel (FT, synthetic) - Euro 5 (2009-14)	10.8	11.6	9.5	12.0	263.3	281.7	231.8	292.6				
F - TRUCK - BoxLutonInsVan - Electricity - Euro 4 (2005-09)									47.6	44.5	45.1	59.2
F - TRUCK - BoxLutonInsVan - Electricity - Euro 5 (2009-14)									42.1	39.4	39.9	52.4
F - TRUCK - BoxLutonInsVan - Electricity - Euro 6 (2015-19)									38.5	36.0	36.4	47.9
F - TRUCK - BoxLutonInsVan - Electricity - Euro 7 (2020-24)									35.7	33.4	33.8	44.4
F - TRUCK - BoxLutonInsVan - Electricity - Euro 8 (2025-29)									33.1	30.9	31.3	41.1
F - TRUCK - BoxLutonInsVan - Electricity - Euro 9 (2030-34)									30.7	28.7	29.0	38.1
F - TRUCK - BoxLutonInsVan - Electricity - Euro 10 (2035-39)									28.4	26.6	26.9	35.4
F - TRUCK - BoxLutonInsVan - Electricity - Euro 11 (2040-44)									26.4	24.7	25.0	32.8

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - BoxLutonInsVan - Electricity - Euro 12 (2045-50)									24.5	22.9	23.1	30.4
F - TRUCK - OtherVan - Gasoline - Euro 1 (1992-96)	16.4	19.0	14.4	15.3	377.5	437.3	332.6	352.1				
F - TRUCK - OtherVan - Gasoline - Euro 2 (1996-2001)	15.7	18.1	13.8	14.6	360.9	418.1	318.0	336.6				
F - TRUCK - OtherVan - Gasoline - Euro 3 (2001-05)	14.1	16.3	12.4	13.1	325.0	376.5	286.3	303.1				
F - TRUCK - OtherVan - Gasoline - Euro 4 (2005-09)	12.1	14.0	10.6	11.3	278.4	322.5	245.3	259.7				
F - TRUCK - OtherVan - Gasoline - Euro 5 (2009-14)	9.4	10.9	8.3	8.8	217.3	251.8	191.5	202.7				
F - TRUCK - OtherVan - Gasoline - Euro 6 (2015-19)	8.7	10.1	7.7	8.1	200.3	232.0	176.5	186.8				
F - TRUCK - OtherVan - Gasoline - Euro 7 (2020-24)	8.1	9.3	7.1	7.5	185.9	215.4	163.8	173.4				
F - TRUCK - OtherVan - Gasoline - Euro 8 (2025-29)	7.5	8.7	6.6	7.0	172.4	199.7	151.9	160.8				
F - TRUCK - OtherVan - Gasoline - Euro 9 (2030-34)	6.9	8.0	6.1	6.5	159.9	185.2	140.8	149.1				
F - TRUCK - OtherVan - Gasoline - Euro 10 (2035-39)	6.4	7.4	5.7	6.0	148.2	171.7	130.6	138.2				
F - TRUCK - OtherVan - Gasoline - Euro 11 (2040-44)	6.0	6.9	5.3	5.6	137.4	159.2	121.1	128.2				
F - TRUCK - OtherVan - Gasoline - Euro 12 (2045-50)	5.5	6.4	4.9	5.2	127.4	147.6	112.3	118.8				
F - TRUCK - OtherVan - Diesel - Euro 1 (1992-96)	13.2	14.1	11.6	14.7	342.0	366.0	301.1	380.1				
F - TRUCK - OtherVan - Diesel - Euro 2 (1996-2001)	12.2	13.1	10.8	13.6	316.7	338.9	278.9	352.0				
F - TRUCK - OtherVan - Diesel - Euro 3 (2001-05)	11.1	11.9	9.8	12.3	288.1	308.3	253.7	320.2				
F - TRUCK - OtherVan - Diesel - Euro 4 (2005-09)	10.4	11.2	9.2	11.6	271.0	290.0	238.6	301.2				
F - TRUCK - OtherVan - Diesel - Euro 5 (2009-14)	9.2	9.8	8.1	10.2	238.7	255.4	210.1	265.3				
F - TRUCK - OtherVan - Diesel - Euro 6 (2015-19)	8.5	9.1	7.5	9.4	220.0	235.4	193.7	244.4				
F - TRUCK - OtherVan - Diesel - Euro 7 (2020-24)	7.9	8.4	6.9	8.8	204.2	218.5	179.8	226.9				
F - TRUCK - OtherVan - Diesel - Euro 8 (2025-29)	7.3	7.8	6.4	8.1	189.3	202.6	166.7	210.4				
F - TRUCK - OtherVan - Diesel - Euro 9 (2030-34)	6.8	7.2	6.0	7.5	175.6	187.9	154.6	195.1				
F - TRUCK - OtherVan - Diesel - Euro 10 (2035-39)	6.3	6.7	5.5	7.0	162.8	174.2	143.3	180.9				
F - TRUCK - OtherVan - Diesel - Euro 11 (2040-44)	5.8	6.2	5.1	6.5	150.9	161.5	132.9	167.7				

Vehicle technology description	<i>Specific fuel consumption (litres/100km)</i>				<i>Direct CO2 emissions (gCO2/km)</i>				<i>Specific electricity consumption (kWh/100km)</i>			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - OtherVan - Diesel - Euro 12 (2045-50)	5.4	5.8	4.8	6.0	139.9	149.8	123.2	155.5				
F - TRUCK - OtherVan - Diesel - Euro 4 (2005-09) - HEV	7.3	7.8	6.4	8.1	188.5	201.7	166.0	209.5				
F - TRUCK - OtherVan - Diesel - Euro 5 (2009-14) - HEV	6.4	6.9	5.7	7.2	167.0	178.7	147.0	185.6				
F - TRUCK - OtherVan - Diesel - Euro 6 (2015-19) - HEV	5.9	6.3	5.2	6.6	154.0	164.8	135.5	171.1				
F - TRUCK - OtherVan - Diesel - Euro 7 (2020-24) - HEV	5.5	5.9	4.9	6.1	142.9	153.0	125.8	158.8				
F - TRUCK - OtherVan - Diesel - Euro 8 (2025-29) - HEV	5.1	5.5	4.5	5.7	132.5	141.8	116.7	147.3				
F - TRUCK - OtherVan - Diesel - Euro 9 (2030-34) - HEV	4.7	5.1	4.2	5.3	122.9	131.5	108.2	136.6				
F - TRUCK - OtherVan - Diesel - Euro 10 (2035-39) - HEV	4.4	4.7	3.9	4.9	113.9	121.9	100.3	126.6				
F - TRUCK - OtherVan - Diesel - Euro 11 (2040-44) - HEV	4.1	4.4	3.6	4.5	105.7	113.1	93.0	117.4				
F - TRUCK - OtherVan - Diesel - Euro 12 (2045-50) - HEV	3.8	4.0	3.3	4.2	98.0	104.8	86.2	108.9				
F - TRUCK - OtherVan - Diesel - Euro 5 (2009-14) - PHEV	5.6		5.2	6.5	145.3		134.0	169.1	39.7	39.7		
F - TRUCK - OtherVan - Diesel - Euro 6 (2015-19) - PHEV	5.3		4.9	6.1	136.5		125.8	158.8	36.3	36.3		
F - TRUCK - OtherVan - Diesel - Euro 7 (2020-24) - PHEV	4.9		4.5	5.7	126.5		116.7	147.3	33.6	33.6		
F - TRUCK - OtherVan - Diesel - Euro 8 (2025-29) - PHEV	4.5		4.2	5.3	117.3		108.2	136.6	31.2	31.2		
F - TRUCK - OtherVan - Diesel - Euro 9 (2030-34) - PHEV	4.2		3.9	4.9	108.8		100.3	126.6	28.9	28.9		
F - TRUCK - OtherVan - Diesel - Euro 10 (2035-39) - PHEV	3.9		3.6	4.5	100.9		93.0	117.4	26.8	26.8		
F - TRUCK - OtherVan - Diesel - Euro 11 (2040-44) - PHEV	3.6		3.3	4.2	93.5		86.2	108.9	24.9	24.9		

Vehicle technology description	Specific fuel consumption (litres/100km)				Direct CO2 emissions (gCO2/km)				Specific electricity consumption (kWh/100km)			
	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway	combi ned	urban	rural	moto rway
F - TRUCK - OtherVan - Diesel - Euro 12 (2045-50) - PHEV	3.4		3.1	4.0	88.0		81.2	102.5	23.1	23.1		
F - TRUCK - OtherVan - Liquefied Petroleum Gas - Euro 3 (2001-05)	23.0	24.6	20.2	25.6	324.4	347.1	285.6	360.5				
F - TRUCK - OtherVan - Bioethanol(85)-petrol(15) blend - Euro 4 (2005-09)	13.1	15.2	11.6	12.2	222.7	258.0	196.2	207.7				
F - TRUCK - OtherVan - Bioethanol(85)-petrol(15) blend - Euro 5 (2009-14)	10.3	11.9	9.1	9.6	175.1	202.8	154.2	163.3				
F - TRUCK - OtherVan - Biodiesel (FT, synthetic) - Euro 4 (2005-09)	12.2	13.1	10.8	13.6	297.0	317.8	261.5	330.0				
F - TRUCK - OtherVan - Biodiesel (FT, synthetic) - Euro 5 (2009-14)	10.8	11.5	9.5	12.0	261.8	280.2	230.5	291.0				
F - TRUCK - OtherVan - Electricity - Euro 4 (2005-09)									47.7	44.6	45.1	59.3
F - TRUCK - OtherVan - Electricity - Euro 5 (2009-14)									41.9	39.2	39.6	52.1
F - TRUCK - OtherVan - Electricity - Euro 6 (2015-19)									38.2	35.8	36.2	47.6
F - TRUCK - OtherVan - Electricity - Euro 7 (2020-24)									35.5	33.2	33.6	44.1
F - TRUCK - OtherVan - Electricity - Euro 8 (2025-29)									32.9	30.8	31.1	40.9
F - TRUCK - OtherVan - Electricity - Euro 9 (2030-34)									30.5	28.5	28.8	37.9
F - TRUCK - OtherVan - Electricity - Euro 10 (2035-39)									28.3	26.4	26.7	35.2
F - TRUCK - OtherVan - Electricity - Euro 11 (2040-44)									26.2	24.5	24.8	32.6
F - TRUCK - OtherVan - Electricity - Euro 12 (2045-50)									24.3	22.7	23.0	30.2

Appendix C: Life Cycle and Environmental Impacts Model – further specifications

C.1 Variable definitions

This section describes the LCEIM variables in terms of input, output and internal variables of the TEAM component models for a computation of life cycle effects and environmental impacts. The tables are structured as follows:

- input variables taken from scenarios (context variables),
- input variables taken from the user (policy variables)
- input variables taken from other TEAM sub-models (input model variables),
- internal variables used only within the LCEIM (internal model variables),
- output variables needed by other TEAM models (output model variables), and
- output variables.

Each table contains:

- the name and abbreviation of each variable;
- the attributes of each variable;
- the indirect dependencies of the variables (in this context, indirect dependencies describe dependencies of a variable that are not related to the variable itself but to other parameters which affect this variable – in other words these are pass-through dependencies), and;
- the interface with other components of the TEAM.

C.1.1 Life Cycle Inventory Model

Table A7: Input variables for life cycle model from exogenous scenarios

<i>Name</i>	<i>Abbrev</i>	<i>Variable Attributes</i>	<i>Indirect Dependencies</i>	<i>Interface</i>
Electricity generating mix	GE	S, C, Y	none	none

Table A8: Input variables for life cycle model from policy simulation module

<i>Name</i>	<i>Abbrev</i>	<i>Variable Attributes</i>	<i>Indirect Dependencies</i>	<i>Interface</i>
Additional infrastructure	AI	S, C, Y, M	none	user

Table A9: Input variables for life cycle model from other TEAM models

<i>Name</i>	<i>Abbrev</i>	<i>Variable Attributes</i>	<i>Indirect Depend.</i>	<i>Interface</i>
Total number of vehicles	NT	S, C, Y, T	none	VSM
Number of new vehicles	NN	S, C, Y, T	none	VSM
Number of scrapped vehicles	NS	S, C, Y, T	none	VSM
Mileages	KM	S, C, Y, T	none	VSM
Quantity of fuels	QF	S, C, Y, T, F	none	VEEM
Direct emissions (except VOC)	EN	S, C, Y, T, J, E	none	VEEM
Direct VOC emissions	EV	S, C, Y, T, J	none	VEEM

Table A10: Internal variables of the life cycle inventory model

<i>Name</i>	<i>Abbrev</i>	<i>Variable Attributes</i>	<i>Indirect Depend.</i>	<i>Interface</i>
VOC split of direct emissions	VOC	T, J, E	S, C, Y	none
Emission factors for vehicle manufacture	ZVM	C, Y, V, W, F, E	S	none
Energy demand of vehicle manufacture	FVM	C, Y, V, W, F	S	none
Material demand for vehicle manufacture	IDM	C, Y, V, W, F, I	S	none
Vehicle maintenance frequency	RVU	C, Y, T	S	none
Number of vehicles under maintenance	NVU	S, C, Y, T	none	none
Emission factors for vehicle maintenance	ZVU	C, Y, V, W, F, E	S	none
Energy demand of vehicle maintenance	FVU	C, Y, V, W, F	S	none
Material demand for vehicle maintenance	IDU	C, Y, V, W, F, I	S	none
Emission factors for vehicle scrappage	ZVS	C, Y, V, W, F, E	S	none
Energy demand of vehicle scrappage	FVS	C, Y, V, W, F	S	none
Additional infrastructure by technology	AIT	S, C, Y, T	none	none
Emission factors for infrastructure construction	ZIC	E	S, C, Y, T	none
Energy demand of infrastructure construction	FIC	F	S, C, Y, T	none
Material demand for infrastructure construction	IDI	I	S, C, Y, T	none
Land use of infrastructure construction	LIC		S, C, Y, T	none
Life cycle emissions of material supply	EII	S, C, Y, T, E	None	none
Emission factors for material supply	ZIS	C, Y, E, I	S	none
Total material demand	IDT	S, C, Y, T, I	None	none
Energy demand of material supply	FIS	C, Y, F, I	S, T	none
Life cycle emissions of fuel/energy supply	EIF	S, C, Y, T, E	none	none
Emission factors for fuel/energy supply	ZFS	C, Y, F, E	S, T	none
Total fuel/energy demand	FDT	S, C, Y, T, F	none	none
Primary energy requirements of fuels/final energy	PFS	C, Y, F, P	S, T	none

Table A11: Output variables of the life cycle model required by other TEAM sub models

<i>Name</i>	<i>Abbrev</i>	<i>Variable Attributes</i>	<i>Indirect Dependencies</i>	<i>Interface</i>
Direct emissions	ED	S, C, Y, T, J, E	none	EIM
Life cycle emissions	EI	S, C, Y, T, E	none	EIM
Primary energy requirements	PR	S, C, Y, T, P	none	EIM

Table A12: Key output variables of the life cycle inventory model

<i>Name</i>	<i>Abbrev</i>	<i>Variable Attributes</i>	<i>Indirect Depend.</i>	<i>Interface</i>
Direct emissions	ED	S, C, Y, T, J, E	none	user
Life cycle emissions	EI	S, C, Y, T, E	none	user
Total emissions	ET	S, C, Y, T, E	none	user
Primary energy requirements	PR	S, C, Y, T, P	none	user
Land use of infrastructure	LU	S, C, Y, T	none	user

C.1.2 Environmental Impact Assessment Model

There are no input variables for impact assessment taken from scenarios (context variables).

Table A13: Input variables for impact assessment from the policy module

<i>Name</i>	<i>Abbrev</i>	<i>Variable Attributes</i>	<i>Indirect Dependencies</i>	<i>Interface</i>
Value of Statistical Life	VL		none	user
Rate of accidents	RA	C, Y, V	none	user
Rate of fatalities	RF	C, Y, V	none	user
Rate of serious casualties	RS	C, Y, V	none	user
Rate of minor casualties	RM	C, Y, V	none	user

Table A14: Input variables for impact assessment taken from other TEAM Models

<i>Name</i>	<i>Abbrev</i>	<i>Variable Attributes</i>	<i>Indirect Dependencies</i>	<i>Interface</i>
Mileages	KM	S, C, Y, T	none	VSM
„Direct“ emissions	ED	S, C, Y, T, J, E	none	LCM
Life cycle emissions	EI	S, C, Y, T, E	none	LCM
Total emissions	ET	S, C, Y, T, E	none	LCM
Primary energy requirements	PR	S, C, Y, T, P	none	LCM

Table A15: Internal variables used only within the impact assessment sub model

<i>Name</i>	<i>Abbrev</i>	<i>Variable Attributes</i>	<i>Indirect Dependencies</i>	<i>Interface</i>
Assignment factors from demand segment types to receptor categories	AJR	C, J	S, Y, T	none
Monetary values (Building Blocks) of direct emissions	MVD	C, Y, J, E	S, T	none
Monetary values (Building Blocks) of indirect emissions	MVI	C, Y, E	S, T	none
Monetary values for accidents	MVA		S, C, Y, T	none
Monetary values for serious casualties	MVS		S, C, Y, T	none
Monetary values for minor casualties	MVM		S, C, Y, T	none
External costs of direct emissions	XED	S, C, Y, T	none	none
External costs of indirect emissions	XEI	S, C, Y, T	none	none
External costs of vehicle accidents	XVA	S, C, Y, T	none	none
Impact potentials	IPO	E, P	S, C, Y, T	none

Table A16: Key output variables of the impact assessment model

<i>Name</i>	<i>Abbrev</i>	<i>Variable Attributes</i>	<i>Indirect Dependencies</i>	<i>Interface</i>
Total external costs	XT	S, C, Y, T	none	user
Impact indicators	II	S, C, Y, T	none	user