

Trip Date **09/20/2024**

Trip Length **747.17 km**

Tkm **4,463.50**

Emission Intensity **0.007 kg CO2e/tkm**

Vehicle

Vehicle Name	Permitted ttl. Weight (qBnup5)	Electricity Type	Average Electricity Consumption (iXX6IQ)	Eco Badge	Bio fuel ratio (%)	Load Weight (qBnup5)	Length (h/N3pl)	Height (h/N3pl)	Width (h/N3pl)
BEV 40t trailer truck	42.00	BATTERY	83.33	AT: EURO VI, DE: Green, DK: Authorized, ES: Category C, FR: Crit'Air 2	0.00	27.50	18.75	4.00	2.55

Greenhouse gas emissions - Default values

Order ID	Start location	Address	Weight (t)	GC distance * (km)	Energy - WTW (MJ)	Emissions - WTW (kg CO2e)	Energy - TTW (MJ)	Emissions - TTW (kg CO2e)	Energy - WTT (MJ)	Emissions - WTT (kg CO2e)
Karlsruhe		Frankfurt	1.00	124.18	272.47	9.33	96.17	0	176.31	9.33
Karlsruhe		Erfurt	1.00	288.01	631.96	21.64	223.05	0	408.92	21.64
Karlsruhe		Leipzig	1.00	384.52	843.72	28.89	297.78	0	545.94	28.89
Karlsruhe		Berlin	7.00	523.83	8,045.78	275.45	2,839.69	0	5,206.09	275.45
Total		-	-	-	9,793.94	335.30	3,456.68	-	6,337.25	335.30

* The GC distance (great circle distance) is used for the allocation of the trip emissions to the individual orders.

These results were calculated in compliance with standard ISO 14083:2023. This standard should be consulted to obtain further information about unconsidered processes, guidelines and general principles. If you wish to compare the results with other results that have also been calculated in accordance with the standard, please pay particular attention to the specific procedures that have been applied, particularly with regard to the allocation procedure and data sources.

List of calculation parameters

The following emission factors were used:

Fuel Type Description	Energy factor		GHG emission factor		
	Tank-to-wheels (e)	Well-to-wheels (e)	Tank-to-wheels (g)	Well-to-wheels (g)	
	g CO2e/MJ	g CO2e/MJ	g CO2e/MJ	kg CO2e/kg	kg CO2e/kg
Gasoline	75.1	90.1	90.1	3.19	3.83
Diesel	74.1	87.3	87.3	3.17	3.74
Ethanol	0.3	48.2	48.2	0.01	1.3
Liquefied Petroleum Gas	67.1	81.6	81.6	3.05	3.71
Compressed Natural Gas	56.6	72.7	72.7	2.79	3.58
Liquefied Natural Gas	57.9	75.5	75.5	2.84	3.71



This report is based on the standard ISO 14083:2023 method for the calculation and declaration of energy consumption and emission of greenhouse gases in transport services (goods and passenger transport).