

Appendix 3 – European Emission Standard (Euro Rating)

The table below is reproduced from the standards set out by the European Commission and acts as a guide to show how the different Euro emissions categories are applied to new vehicle models approved after a specific date.

Euro Rating – Cars (Saloon, Hatchback, Estate and MPV)		
	Date the Standard was introduced	Date the Standard was Upgraded to the next Euro level
Euro 3		31/12/2004
Euro 4	01/01/2005	31/08/2009
Euro 5	01/01/2009	31/08/2014
Euro 6	01/09/2015	

The tables below show the Maximum Emissions Limits for each Euro Rating split into Diesel and Petrol fuelled vehicles. Please note there are a number of fields left BLANK in the tables below if the field is blank you are required to ignore the figure listed on the V5 (alternatively the corresponding figure on the V5 document may also be blank) for that particular Exhaust Emissions Type. You are only required to use the other fields for establishing which Euro Rating your vehicle is.

For example:-

Peugeot 307, Diesel Estate first registered on 19/05/05 has the following Exhaust Emissions:-
 CO = 0.108
 HC is Blank on the V5
 NOx = 0.0174
 HC + NOx = 0.204
 Particles = 0.002.

Which Euro Rating would this vehicle be?

All of the figures do not exceed those provided in the table below for the Euro 5 Emissions Limits (Diesel) and therefore this vehicle would be a EURO 5 Rating.

Euro 3 Emissions Limits (Petrol)			Euro 3 Emissions Limits (Diesel)		
V5 Reference - Exhaust Emissions		Maximum by Emissions Type	V5 Reference - Exhaust Emissions		Maximum by Emissions Type
V.1	CO (g/km or g/kWh)	2.3 g/km	V.1	CO (g/km or g/kWh)	0.64 g/km
V.2	HC (g/km or g/kWh)	0.20 g/km	V.2	HC (g/km or g/kWh)	0.56 g/km
V.3	NOx (g/km or g/kWh)	0.15 g/km	V.3	NOx (g/km or g/kWh)	0.50 g/km
V.4	HC+NOx (g/km)		V.4	HC+NOx (g/km)	
V.5	Particulates (g/km or g/kWh)	No Limit	V.5	Particulates (g/km or g/kWh)	0.05 g/km

Euro 4 Emissions Limits (Petrol)			Euro 4 Emissions Limits (Diesel)		
V5 Reference - Exhaust Emissions		Maximum by Emissions Type	V5 Reference - Exhaust Emissions		Maximum by Emissions Type
V.1	CO (g/km or g/kWh)	1.0 g/km	V.1	CO (g/km or g/kWh)	0.50 g/km
V.2	HC (g/km or g/kWh)	0.10 g/km	V.2	HC (g/km or g/kWh)	
V.3	NOx (g/km or g/kWh)	0.08 g/km	V.3	NOx (g/km or g/kWh)	0.25 g/km
V.4	HC+NOx (g/km)		V.4	HC+NOx (g/km)	0.30 g/km
V.5	Particulates (g/km or g/kWh)	No Limit	V.5	Particulates (g/km or g/kWh)	0.025 g/km

Euro 5 Emissions Limits (Petrol)			Euro 5 Emissions Limits (Diesel)		
V5 Reference - Exhaust Emissions		Maximum by Emissions Type	V5 Reference - Exhaust Emissions		Maximum by Emissions Type
V.1	CO (g/km or g/kWh)	1.0 g/km	V.1	CO (g/km or g/kWh)	0.50 g/km
V.2	HC (g/km or g/kWh)	0.10 g/km	V.2	HC (g/km or g/kWh)	
V.3	NOx (g/km or g/kWh)	0.06 g/km	V.3	NOx (g/km or g/kWh)	0.18 g/km
V.4	HC+NOx (g/km)		V.4	HC+NOx (g/km)	0.23 g/km
V.5	Particulates (g/km or g/kWh)	0.005 g/km (Direct Injection Only)	V.5	Particulates (g/km or g/kWh)	0.005 g/km and 6.0×10^{-11} /km

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Euro 6 Emissions Limits (Petrol)			Euro 6 Emissions Limits (Diesel)		
V5 Reference - Exhaust Emissions		Maximum by Emissions Type	V5 Reference - Exhaust Emissions		Maximum by Emissions Type
V.1	CO (g/km or g/kWh)	1.0 g/km	V.1	CO (g/km or g/kWh)	0.50 g/km
V.2	HC (g/km or g/kWh)	0.10 g/km	V.2	HC (g/km or g/kWh)	
V.3	NOx (g/km or g/kWh)	0.06 g/km	V.3	NOx (g/km or g/kWh)	0.08 g/km
V.4	HC+NOx (g/km)		V.4	HC+NOx (g/km)	0.17 g/km
V.5	Particulates (g/km or g/kWh)	0.005 g/km (Direct Injection Only) and $6.0 \times 10^{-11}/\text{km}$ (Direct Injection Only)	V.5	Particulates (g/km or g/kWh)	0.005 g/km (Direct Injection Only) and $6.0 \times 10^{-11}/\text{km}$ (Direct Injection Only)