

Changes to legislation: There are outstanding changes not yet made to Regulation (EC) No 715/2007 of the European Parliament and of the Council. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

ANNEX I
 EMISSION LIMITS

[^{F1}TABLE 1

Euro 5 Emission Limits

Category		Reference values														
		Mass of carbon monoxide (CO) (g/km)		Mass of total hydrocarbons (THC) (g/km)		Mass of non-hydrocarbons (NMHC) (g/km)		Mass of nitrogen oxides (NO _x) (g/km)		Combined mass of hydrocarbons and nitrogen oxides (THC + NO _x) (g/km)		Mass of particulate matter (PM) (g/km)		Number of particles (PN) (#/km)		
		L ₁ (mg/km)	L ₂ (mg/km)	L ₂ (mg/km)	L ₂ (mg/km)	L ₃ (mg/km)	L ₃ (mg/km)	L ₄ (mg/km)	L ₄ (mg/km)	L ₂ +L ₄ (mg/km)	L ₂ +L ₄ (mg/km)	L ₅ (mg/km)	L ₅ (mg/km)	L ₆ (#/km)	L ₆ (#/km)	
Class		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI ^c	CI	PI	CI	
M	—	All	1 000	500	100	—	68	—	60	180	—	230	5,0/4,5	5,0/4,5	—	6,0 × 10 ¹¹
N ₁	I	RM ≤ 1 305	1 000	500	100	—	68	—	60	180	—	230	5,0/4,5	5,0/4,5	—	6,0 × 10 ¹¹
	II	1 305 < RM ≤ 1 760	1 810	630	130	—	90	—	75	235	—	295	5,0/4,5	5,0/4,5	—	6,0 × 10 ¹¹
	III	1 760 < RM	2 270	740	160	—	108	—	82	280	—	350	5,0/4,5	5,0/4,5	—	6,0 × 10 ¹¹
N ₂	—	All	2 270	740	160	—	108	—	82	280	—	350	5,0/4,5	5,0/4,5	—	6,0 × 10 ¹¹

a [^{F2}

b [^{F2}]

c Positive ignition particulate mass standards shall apply only to vehicles with direct injection engines.

Key: PI = Positive Ignition, CI = Compression Ignition]

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Textual Amendments

- F1** Substituted by Commission Regulation (EC) No 692/2008 of 18 July 2008 implementing and amending Regulation (EC) No 715/2007 of the European Parliament and of the Council on type-approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and on access to vehicle repair and maintenance information (Text with EEA relevance).
- F2** Deleted by Commission Regulation (EU) No 566/2011 of 8 June 2011 amending Regulation (EC) No 715/2007 of the European Parliament and of the Council and Commission Regulation (EC) No 692/2008 as regards access to vehicle repair and maintenance information (Text with EEA relevance).
- F3** Substituted by Commission Regulation (EU) No 459/2012 of 29 May 2012 amending Regulation (EC) No 715/2007 of the European Parliament and of the Council and Commission Regulation (EC) No 692/2008 as regards emissions from light passenger and commercial vehicles (Euro 6) (Text with EEA relevance).

^{F3}TABLE 2

Euro 6 Emission Limits

Category	Class	Reference limit values														
		Mass of carbon monoxide (CO) (kg)		Mass of total hydrocarbons (THC) (mg/km)		Mass of non-hydrocarbons (NMHC) (mg/km)		Mass of oxides of nitrogen (NO _x) (mg/km)		Combined mass of hydrocarbons and oxides of nitrogen (THC + NO _x) (mg/km)		Mass of particulate matter (PM) ^a (mg/km)		Number of particles (PN) (10 ¹¹ #/km)		
		L ₁ (mg/km)	L ₂ (mg/km)	L ₃ (mg/km)	L ₄ (mg/km)	L ₂ + L ₄ (mg/km)	L ₅ (mg/km)	L ₆ (#/km)								
PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI ^b	CI	PI ^{bc}	CI			
M	—	All	1 000	500	100	—	68	—	60	80	—	170	4,5	4,5	6,0 × 10 ¹¹	6,0 × 10 ¹¹
N ₁	I	RM ≤ 1 305	1 000	500	100	—	68	—	60	80	—	170	4,5	4,5	6,0 × 10 ¹¹	6,0 × 10 ¹¹
	II	1 305 < RM	1 810	630	130	—	90	—	75	105	—	195	4,5	4,5	6,0 × 10 ¹¹	6,0 × 10 ¹¹

a A limit of 5,0 mg/km for the mass of particulate emissions applies to vehicles type approved to the emission limits of this table with the previous particulate mass measurement protocol, before 1.9.2011.

b Positive ignition particulate mass and number limits shall apply only to vehicles with direct injection engines.

c Until three years after the dates specified in Article 10(4) and (5) for new type approvals and new vehicles respectively, a particle number emission limit of 6,0 × 10¹² #/km shall apply to Euro 6 PI direct injection vehicles upon the choice of the manufacturer. Until those dates at the latest a type approval test method ensuring the effective limitation of the number of particles emitted by vehicles under real driving conditions shall be implemented.

Key: PI = Positive Ignition, CI = Compression Ignition]

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		≤ 1 760														
	III	1 760 < RM	2 270	740	160	—	108	—	82	125	—	215	4,5	4,5	6,0 × 10^{11}	6,0 × 10^{11}
N ₂	—	All	2 270	740	160	—	108	—	82	125	—	215	4,5	4,5	6,0 × 10^{11}	6,0 × 10^{11}

a A limit of 5,0 mg/km for the mass of particulate emissions applies to vehicles type approved to the emission limits of this table with the previous particulate mass measurement protocol, before 1.9.2011.

b Positive ignition particulate mass and number limits shall apply only to vehicles with direct injection engines.

c Until three years after the dates specified in Article 10(4) and (5) for new type approvals and new vehicles respectively, a particle number emission limit of $6,0 \times 10^{12}$ #/km shall apply to Euro 6 PI direct injection vehicles upon the choice of the manufacturer. Until those dates at the latest a type approval test method ensuring the effective limitation of the number of particles emitted by vehicles under real driving conditions shall be implemented.

Key: PI = Positive Ignition, CI = Compression Ignition]

TABLE 3

Emission limit for the evaporative emissions test

Mass of Evaporative Emission (g/test)

2,0

TABLE 4

Emission limit for the carbon monoxide and hydrocarbon tailpipe emissions after a cold start test

Test temperature 266 K (−7 °C)

Vehicle Category	Class	Mass of carbon monoxide (CO)L ₁ (g/km)	Mass of hydrocarbons (HC)L ₂ (g/km)
M	—	15	1,8
N ₁	I	15	1,8
	II	24	2,7
	III	30	3,2
N ₂		30	3,2

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Changes and effects yet to be applied to the whole legislation item and associated provisions

- Signature words omitted by [S.I. 2022/1273 reg. 49\(14\)](#)
- Art. 3(2) words substituted by [S.I. 2022/1273 reg. 49\(3\)](#)
- Art. 3(13) words substituted by [S.I. 2022/1273 reg. 49\(3\)](#)