

DRAFT REGULATION AMENDING THE DECREE OF THE MINISTER FOR THE ENVIRONMENT AND THE PROTECTION OF LAND AND SEA OF 7 NOVEMBER 2017, No. 186, ADOPTED IN IMPLEMENTATION OF ARTICLE 290, PARAGRAPH 4, OF LEGISLATIVE DECREE No. 152 OF 3 APRIL 2006



The Minister for the Environment and Energy Security

HAVING REGARD TO Law No 400 of 23 August 1988 on the regulation of government activity and the order of the Presidency of the Council of Ministers, and in particular Article 17(3) and (4);

HAVING REGARD TO Legislative Decree No 152 of 3 April 2006 laying down environmental standards, in particular Article 290(4) thereof;

HAVING REGARD TO Directive 2024/2881/EU of the European Parliament and of the Council of 23 October 2024 on ambient air quality and cleaner air for Europe and repealing Directives 2004/107/EC and 2008/50/EC;

HAVING REGARD TO Legislative Decree No 192 of 19 August 2005 implementing Directive (EU) 2018/844 amending Directive 2010/31/EU on the energy performance of buildings and Directive 2012/27/EU on energy efficiency, Directive 2010/31/EU on the energy performance of buildings and Directive 2002/91/EC on the energy performance of buildings;

HAVING REGARD TO Legislative Decree No 155 of 13 August 2010 entitled ‘Implementation of Directive 2008/50/EC on ambient air quality and cleaner air for Europe’;

HAVING REGARD TO Legislative Decree No 104 of 28 June 2012, implementing Directive 2010/30/EU on the indication by labelling and standard product information of the consumption of energy and other resources by energy-related products;

HAVING REGARD TO Presidential Decree No 74 of 16 April 2013 establishing the general criteria for the operation, management, control, maintenance and inspection of thermal systems for winter heating and summer air conditioning of buildings and for hygienic and sanitary hot water preparation in accordance with Article 4(1)(a) and (c) of Legislative Decree No 192 of 19 August 2005;

HAVING REGARD TO Decree-Law No 131 of 16 September 2024, converted, with amendments, into Law No 166 of 14 November 2024 laying down urgent provisions for the implementation of obligations arising from European Union acts and pending infringement and pre-infringement proceedings against the Italian State, and in particular Article 14(4) thereof;

HAVING REGARD TO Decree No 37 of the Minister for Economic Development of 22 January 2008 laying down ‘Regulation on the implementation of Article 11m(13)(a) of Decree-Law No 203 of 30 September 2005, converted, with amendments, into Law No 248 of 2 December 2005 on the reorganisation of the provisions relating to the installation of systems within buildings’;

HAVING REGARD TO the Decree of the Minister for the Environment and the Protection of Land and Sea No 186 of 7 November 2017, setting out ‘Regulations governing the requirements, procedures and competences for the issue of certification for heat generators fuelled by solid biomass’;

HAVING REGARD TO the National Action Plan for the Improvement of Air Quality, drawn up pursuant to Article 14(4) of Decree-Law No. 131 of 16 September 2024, converted, with amendments, by the Law No 166 of 14 November 2024, approved by resolution of 20 June 2025 of the Presidency of the Council of Ministers, after consultation with the Unified Conference, pursuant to Article 14(6) of the aforementioned Decree-Law No 131 of 2024;

HAVING OBTAINED the agreement of the Ministry for Health expressed in a note dated 18 December 2025;

HAVING OBTAINED the agreement of the Minister for Enterprises and Made in Italy, as expressed in note dated 16 January 2026;

HAVING HEARD the opinion of the Council of State, expressed by the Consultative Section for Legislative Acts at its meeting of _____;

HAVING REGARD TO the notification provided for in Directive (EU) 2015/1535 of the European Parliament and of the Council of 9 September 2015 laying down a procedure for the provision of information to the European Commission in the field of technical regulations and of rules on Information Society services, made by letter of ...;

HAVING REGARD TO the communication to the Prime Minister, made pursuant to Article 17(3) of Law No 400 of 1988, by letter of _____;

HEREBY ADOPTS

the following Regulation

ARTICLE 1

(Amendments to the Decree of the Minister for the Environment and the Protection of Land and Sea of No 186 of 07 November 2017)

1. The following amendments are made to the Decree of the Minister for the Environment and the Protection of Land and Sea No 186 of 7 November 2017:

a) Article 1(3) is replaced with the following:

‘3. The following categories of heat generators may be subject to environmental certification for the purposes of this regulation, in compliance with the UNI EN standard associated with each category:

- a) closed fireplace, wood insets: UNI EN 13229 / UNI EN 16510-2-2;
- b) open fireplaces: UNI EN 13229 / UNI EN 16510-2-2;
- c) wood-burning stoves: UNI EN 13240 / UNI EN 16510-2-1;
- d) slow-release appliances: UNI EN 15250/ UNI EN 16510-2-5;
- e) wood-burning cooking stoves: UNI EN 12815/ UNI EN 16510-2-3;
- f) boilers up to 500 kW: UNI EN 303-5 – Heating boilers – Part 5: Heating boilers for solid fuels, manually and automatically stoked, nominal heat output of up to 500 kW – Terminology, requirements, testing and marking;

- g) stoves, insets and pellet cooking stoves: UNI EN 14785/ UNI EN 16510-2-6;
- h) combined wood- and pellet-fired appliances: UNI EN 16510-2-7 or compliant with the relevant product standards prior to the harmonisation of UNI EN 16510-2-7.’;

b) The following is inserted after Article 3:

‘ARTICLE 3-bis (*Equivalence of products manufactured on site*) – 1. For the purposes of this regulation, products produced in situ in accordance with standard UNI EN 15544 shall be assimilated to the environmental class ‘5 stars’ pursuant to Table 1 of Annex 1 to that regulation, provided that the declaration of conformity issued by the installer, on the basis of the model set out in Annex I to Decree No 37 of the Minister for Economic Development of 22 January 2008, is accompanied by:

- a) a technical report containing the design calculations carried out in accordance with standard UNI EN 15544, together with the construction plans and photographic documentation representative of the work carried out;
- b) the results of the measurement of the discharge duct draught of combustion products pursuant to standard UNI 10683, carried out at the first ignition of the plant, in accordance with the procedures laid down in standard UNI 10389-2;
- c) where the combustion chamber is tested in accordance with standard EN 15250 (EN 16510-2-5) or standard EN 13229 (16510-2-2), environmental certification for the combustion chamber, as defined in Article 2(1)(c) of this Regulation, certifying compliance with emission requirements corresponding to at least the ‘5-star’ class set out in Table 1 of Annex 1 to this Regulation, depending on the type of fuel.’;
- d) in Article 4(1)(c), after the words: ‘the correct management mode of the generator’ the following are added: ‘, including a quick guide to manual generators setting out, at the very least, how to light and refuel them – using audio-visual aids where appropriate – and the characteristics of the firewood’;
- e) Annexes 1 and 2 are replaced by the following:

‘Annex 1 (Article 3)

QUALITY CLASSES FOR CERTIFICATION OF HEAT GENERATORS

1. Heat generators referred to in Article 1(3) are certified on the basis of emissions performance classes expressed in Table 1.

TABLE 1. *Classification of heat generators*

Class 7 stars					
Type of generator	PP (mg/Nm3)	TOC (mg/Nm3)	NOx (mg/Nm3)	CO (mg/Nm3)	η (%)
Open fireplaces	-	-	-	-	-
Closed Fireplace, wood insets	-	-	-	-	-
Wood-burning stoves	-	-	-	-	-
Cooking stoves	-	-	-	-	-
Heat accumulating stoves	-	-	-	-	-

Stoves, insets and pellet cooking stoves	-	-	-	-	-
Boilers	1	1	120	100	92
Boilers (fired by pellets or wood chips)	1	1	120	100	92
Class 6 stars					
Type of generator	PP (mg/Nm3)	TOC (mg/Nm3)	NOx (mg/Nm3)	CO (mg/Nm3)	η (%)
Open fireplaces	-	-	-	-	-
Closed Fireplace, wood insets	13	35	130	1000	80
Wood-burning stoves	13	35	130	1000	80
Cooking stoves	13	35	130	1000	80
Heat accumulating stoves	13	35	130	1000	80
Stoves, insets and pellet cooking stoves	8	10	130	250	88
Boilers	5	2	120	100	92
Boilers (fired by pellets or wood chips)	5	2	120	100	92
Class 5 stars					
Type of generator	PP (mg/Nm3)	TOC (mg/Nm3)	NOx (mg/Nm3)	CO (mg/Nm3)	η (%)
Open fireplaces	25	35	100	1000	80
Closed Fireplace, wood insets	25	35	100	1000	80
Wood-burning stoves	25	35	100	1000	80
Cooking stoves	25	35	100	1000	80
Heat accumulating stoves	25	35	100	1000	80
Stoves, insets and pellet cooking stoves	15	10	100	250	88
Boilers	15	5	150	100	88
Boilers (fired by pellets or wood chips)	10	5	120	100	92
Class 4 stars					
Type of generator	PP (mg/Nm3)	TOC (mg/Nm3)	NOx (mg/Nm3)	CO (mg/Nm3)	η (%)
Open fireplaces	30	70	160	1250	77

Closed Fireplace, wood insets	30	70	160	1250	77
Wood-burning stoves	30	70	160	1250	77
Cooking stoves	30	70	160	1250	77
Heat accumulating stoves	30	70	160	1000	77
Stoves, insets and pellet cooking stoves	20	35	160	250	87
Boilers	20	10	150	200	87
Boilers (fired by pellets or wood chips)	15	10	130	100	91
Class 3 stars					
Type of generator	PP (mg/Nm3)	TOC (mg/Nm3)	NOx (mg/Nm3)	CO (mg/Nm3)	η (%)
Open fireplaces	40	100	200	1500	75
Closed Fireplace, wood insets	40	100	200	1500	75
Wood-burning stoves	40	100	200	1500	75
Cooking stoves	40	100	200	1500	75
Heat accumulating stoves	40	100	200	1250	75
Stoves, insets and pellet cooking stoves	30	50	200	364	85
Boilers	30	15	150	364	85
Boilers (fired by pellets or wood chips)	20	15	145	250	90
Class 2 stars					
Type of generator	PP (mg/Nm3)	TOC (mg/Nm3)	NOx (mg/Nm3)	CO (mg/Nm3)	η (%)
Open fireplaces	75	150	200	2000	75
Closed Fireplace, wood insets	75	150	200	2000	75
Wood-burning stoves	75	150	200	2000	75
Cooking stoves	75	150	200	2000	75
Heat accumulating stoves	75	150	200	2000	75
Stoves, insets and pellet cooking stoves	50	80	200	500	85
Boilers	60	30	200	500	80
Boilers (fired by pellets or wood	40	20	200	300	90

chips)					
PP = primary particulate, TOC = total organic carbon, NO _x = oxides of nitrogen, CO = carbon monoxide, η = yield					

2. Products characterised by lower performance than that prescribed for in the 2-star class are classified in the 1-star class.
3. The values shown in Table 1 refer to dry gas under normal conditions (273 K and 1013 mbar) with a volumetric concentration of O₂ residue equal to 13 %.

Annex 2 (Article 3)

TEST METHODS

1. For the sampling, analysis and evaluation of the projected emissions from Table 1 of Annex 1, the methods contained in the following technical standards and subsequent modifications shall apply:

TABLE 2. *Reference testing method*

Type of generator	PP	TOC	NO _x	CO	η
Stoves, hearths, Cooking stoves	UNI EN 16510-1				
Stoves, hearths, Cooking stoves (fired by pellets)	UNI EN 16510-1				
Boilers	UNI EN 303-5				
Boilers (fired by pellets or wood chips)	UNI EN 303-5				

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ARTICLE 2

(Financial invariance clause)

1. The implementation of this Regulation shall not result in new or increased burdens on public finances.

This Decree shall be forwarded to the competent supervisory bodies.

This Decree, bearing the State seal, shall be included in the official collection of legal acts of the Republic of Italy. All interested parties shall be bound to observe and ensure observance of this Decree.

THE MINISTER