

G-Regs™

Spain – Fuel Consumption & CO2 Emissions



Full title	<p>Royal Decree 837/2002 of 2nd August relating to the availability of consumer information on fuel consumption and CO2 emissions in respect of the sale or lease of new passenger cars in Spanish territory. (BOE No. 185 of 03/08/2002). Entered into force 23/08/2002.</p> <p>This decree implemented Directive 1999/94/EC (relating to the availability of consumer information on fuel economy and CO2 emissions in respect of the marketing of new passenger cars)</p>
Relevant Amendments	<p>PRE/29/2004 Order of 15th January, amending Annex III of Royal Decree 837/2002 (BOE No. 16, of 19/01/ 2004, pp. 2030-2031)</p> <p>http://www.boe.es/diario_boe/txt.php?id=BOE-A-2004-1015</p> <p>Implemented Commission Directive 2003/73/EC of 24th July 2003 amending Annex III to Directive 1999/94/EC. In turn amended Annex III of RD 837/2002.</p> <p>- Resolution of 24th September 2012, the General Secretary of Industry and small and medium-sized enterprises, updating Annex I.2 of Royal Decree 837/2002 of 2nd August – with respect to the parameters determining the average consumption of new passenger cars offered for sale or lease in Spanish territory. (BOE No. 233 of 27th September 2012, pp. 68723-68724)</p> <p>http://www.boe.es/diario_boe/txt.php?id=BOE-A-2012-12085</p> <p>Amended the equation and values in Annex I.2 RD 837/2002</p>
Title of relevant sections	<p>Articles 2-10</p> <p>Annex I.1: Description of the label on fuel consumption and CO2 emissions</p> <p>Annex I.2: Description of label for fuel consumption and CO2 emissions which is optional</p> <p>Annex II: Description of the guide for fuel economy and CO2 emissions</p> <p>Annex III: Description of the poster or display to be displayed at the point of sale</p> <p>Annex IV: Provision of data for fuel consumption and CO2 emissions in promotional literature.</p>
Article 2	<p>Definitions</p> <p>c) Certificate of conformity: certificate referred to Article 6 of Directive 70/156/EEC</p> <p>d) Point of Sale: a location, such as a car showroom or an open space (i.e. forecourt), where new passenger cars are displayed or offered for sale or lease. Trade fairs where new passenger cars are presented to the public are included in this definition.</p> <p>e) Official Fuel Consumption: the fuel consumption type-approved by the approval authority in accordance with the provisions of Directive 80/1268/EEC (url at end para)</p>

URL of source: <http://www.boe.es/buscar/act.php?id=BOE-A-2002-15766&tn=1&vd=&p=20120927>

and mentioned in Annex VIII of Directive 70/156/EEC and attached to the EC vehicle type-approval certificate or in the certificate of conformity. Where several variants and/or versions are grouped under one model, the value to be given for fuel consumption of that model shall be based on the variant and/or version with the highest official fuel consumption within that group.

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:1980L1268:20040219:EN:PDF>

f) Official Specific Emissions of CO₂: for a given passenger car means those measured in accordance with the provisions of Directive 80/1268/EEC and mentioned in Annex VIII of Directive 70/156/EEC and attached to the EC vehicle type-approval certificate or in the certificate of conformity. Where several variants and/or versions are grouped under one model, the values to be given for CO₂ of that model shall be based on the variant and/or version with the highest official CO₂ emissions within that group.

g) Fuel Consumption Label: label that contains consumer information on official fuel consumption and the official specific emissions of CO₂ of the car to which the label is attached.

h) Fuel Economy Guide: means a compilation of the official fuel consumption data and official specific emissions of CO₂ for each model available on the new car market.

i) Promotional Literature: means all printed matter used in the marketing, advertising and promotion of vehicles to the general public. It includes, as a minimum, technical manuals, brochures, advertisements in newspapers, magazines and trade press and posters

Article 3

Label on Fuel Consumption and CO₂ Emissions

The placement of a label on fuel consumption and CO₂ emissions will be mandatory, subject to the requirements described in Annex I.1 of this Royal Decree, in a clearly visible manner in each new passenger car model. In addition, on a voluntary basis, the label may meet the requirements set out in Annex I.2 of this Royal Decree.

Article 4

Guide on Fuel Economy and CO₂ Emissions

Institute for Energy Diversification and Savings (IDAE - *El Instituto para la Diversificación y Ahorro de la Energía*)¹, in collaboration with manufacturers and importers, will compile the content of the Fuel Economy and CO₂ Emissions Guide that will be posted online, at least once a year, in accordance with the requirements of Annex II of this Royal Decree. The manufacturers and importers will provide the IDAE with the information and technical characteristics of the passenger cars.

Article 5

Fuel Economy and CO₂ Emissions Guide made available to consumers

Besides the information specified in Article 4 and provided by the competent authorities, at various points of sale, a portable and compact guide will be made available to consumers on request and free of charge, with the contents as referred to in the previous article.

¹ <http://www.idae.es/index.php/lang.uk>

² The responsibility of the application and pursuit of the Royal Decree falls into the Regional Governments although at national level there are three Ministries affected by the Royal Decree: Ministry of Health, Social Policy and Equality; Ministry of Industry, Tourism and Commerce; Ministry of Environment and Rural and Marine Affairs.

Article 6	<p>Informative Poster</p> <p>Various points of sale must compulsorily exhibit, for each make of car, an informative poster (or alternatively, a display device) with a list of the official fuel consumption data and the official specific CO2 emissions data, for all new passenger car models displayed or offered for sale or lease at or through that point of sale. This data shall be displayed in a prominent position and in accordance with the format in Annex III.</p>
Article 7	<p>Promotional Literature</p> <p>Promotional literature used for the marketing, advertising and promotion to the general public of various passenger car models must include official fuel consumption and the official specific CO2 emissions data related to the vehicles, in accordance with the requirements of Annex IV.</p>
Article 8	<p>Indications, Symbols, Inscriptions</p> <p>Any indication, symbol or inscription on labels, guides, posters or promotional literature referred to in Articles 3, 4, 5, 6 and 7, related to fuel consumption and emissions of CO2 which do not comply with the requirements of this Royal Decree is prohibited, if their display might cause confusion to potential consumers of new passenger cars.</p>
Article 9	<p>Competent Authorities</p> <p>The Ministry of Health and Consumer Affairs shall notify the Commission of the competent authorities of each Autonomous Region, in consultation with them, responsible for the implementation and the functioning of the consumer information scheme set forth in this Royal Decree².</p>
Article 10	<p>Offences and Penalties</p> <p>The monitoring and inspection as set out in this Royal Decree and the implementing rules that develop it shall be made by the competent bodies of the Autonomous Regions.</p> <p>Failure of any of the provisions contained in this provision shall be considered an infringement on consumer protection, in accordance with the provisions of Article 34 of Law 26/1984, of 19 July, General Law for the Protection of Consumers and Users and whose specific offence is referred to in Articles 3 and 5 of Royal Decree 1945/1983 of 22 June, that regulates the offences and penalties relating to consumer protection or the relevant regional policy on the matter.</p> <p>Violations to which this Royal Decree refers will be punished according to Law 26/1984 of July 19, or the relevant regional standard.</p>
Annex 1.1	<p>Description of the label on fuel consumption and CO2 emissions</p> <p>1. The labels for fuel consumption and CO2 emissions, for use in Spain, must comply with the following template:</p>

² The responsibility of the application and pursuit of the Royal Decree falls into the Regional Governments although at national level there are three Ministries affected by the Royal Decree: Ministry of Health, Social Policy and Equality; Ministry of Industry, Tourism and Commerce; Ministry of Environment and Rural and Marine Affairs.

A guide on fuel economy and CO2 emissions, which contains the data for every model of new passenger car, can be obtained at every point of sale free of charge.

Make / Model:

Fuel Type:

Official consumption (According to the Directive 80/1268/EEC)	
Type of Driving	L/100km
Urban	
Highway	
Weighted Average	
Official specific CO2 emissions (According to Directive 80/1268/ECC)	
g/km	

Fuel Consumption and CO2 emissions do not solely determine the efficiency of the vehicle, also of influence is the driving behaviour and other non-technical factors. CO2 is the main greenhouse gas responsible for global warming.

2. All fuel consumption labels must meet the following requirements:

1. Comply with a standardised format in order to allow greater recognition by consumers;
2. Have a size of 297 mm × 210 mm (A4 format);
3. Contain a reference to the model and fuel type of the passenger car to which they are attached;
4. Contain the numerical value of the official fuel consumption and the official specific emissions of CO2. The value of the official fuel consumption is expressed in litres per 100 kilometres (l/100 km), and must be rounded to the corresponding decimal place. The official specific emissions of CO2 are quoted to the nearest whole number in grams per kilometre (g/km). Decimals of 5 must be rounded up;
5. Contain the following text regarding the availability of the guide on fuel consumption and CO2 emissions: "At any point of sale, a guide on fuel economy and CO2 emissions containing data for all new passenger car models is available free of charge"

(En todos los puntos de venta puede obtenerse gratuitamente una guía sobre el consumo de combustible y las emisiones de CO2 en la que figuran los datos de todos los modelos de automóviles de turismo nuevos);

6. Contain the following text: "In addition to the fuel efficiency of a car, driving behaviour as well as other non-technical factors play a role in determining a car's fuel consumption and CO2 emissions. CO2 is the main greenhouse gas responsible for global warming".

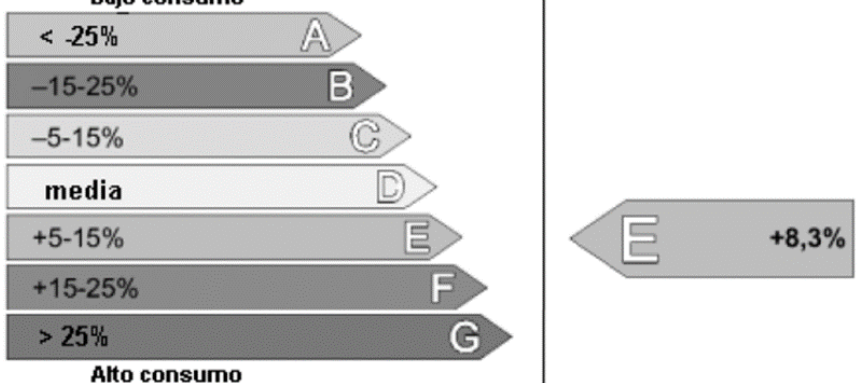

(El consumo de combustible y las emisiones de CO2 no sólo dependen del rendimiento del vehículo; también influyen el comportamiento al volante y otros factores no técnicos. El CO2 es el principal gas de efecto invernadero responsable del calentamiento del planeta)

Annex 1.2

Description of the label for fuel consumption and CO2 emissions which is optional

1. Labels on fuel consumption and CO2 emissions, which will be displayed voluntarily in the Spanish territory must comply with the following model, where the letters/ bands A-G which are shown below the "Comparativa de Consumo" heading represent the classes of energy efficiency, as defined in Section 4 of Annex I.2.

Eficiencia Energética

Marca Modelo Tipo de Carburante Transmisión	
Consumo de Carburante (litros por cada 100 kilómetros) Equivalencia (kilómetros por litro) Emisión de CO₂ (gramos por kilómetro)	
Comparativa de Consumo (con la media de los coches de su mismo tamaño a la venta en España) <div style="text-align: center; margin-top: 10px;"> Bajo consumo  </div>	

* En todos los puntos de venta puede obtenerse gratuitamente una guía sobre el consumo de combustible y emisiones de CO₂ en la que figuran los datos de todos los modelos de automóviles de turismo nuevos.

*El consumo de combustible y las emisiones de CO₂, no sólo dependen del rendimiento del vehículo; también influyen el comportamiento al volante y otros factores no técnicos. El CO₂ es el principal gas de efecto invernadero responsable del calentamiento del planeta.

2.

Labels must at least meet the following criteria:

1. Comply with a standardised format to allow greater recognition by consumers;
2. Be sized 297 mm × 210 mm (A4 format);

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3. Refer to the model and fuel type of the passenger car to which they are attached;

4. Contain the numerical value of the official fuel consumption and the official specific emissions of CO₂. The value of the official fuel consumption is expressed in litres per 100 kilometres (l/100 km) and must be rounded to the corresponding decimal place. The official specific emissions of CO₂ are quoted to the nearest whole number in grams per kilometre (g/km). Decimals of 5 must be rounded up.

5. Contain the following text regarding the availability of the guide on fuel consumption and CO₂ emissions: "At any point of sale, a guide on fuel economy and CO₂ emissions containing data for all new passenger car models is available free of charge"

(En todos los puntos de venta puede obtenerse gratuitamente una guía sobre el consumo de combustible y las emisiones de CO₂ en la que figuran los datos de todos los modelos de automóviles de turismo nuevos)

6. Contain the following text: "In addition to the fuel efficiency of a car, driving behaviour as well as other non-technical factors play a role in determining a car's fuel consumption and CO₂ emissions. CO₂ is the main greenhouse gas responsible for global warming".

(El consumo de combustible y las emisiones de CO₂ no sólo dependen del rendimiento del vehículo; también influyen el comportamiento al volante y otros factores no técnicos. El CO₂ es el principal gas de efecto invernadero responsable del calentamiento del planeta)

3. Colours that must be used on the label:

CMYK: Cyan, Magenta, Yellow, Black

Example: 07X0: 0% cyan, 70% magenta, 100% yellow, 0% black.

Arrows:

A: X0X0.

B: 70X0.

C: 30X0.

D: 00X0.

E: 03X0.

F: 07X0.

G: 0XX0.

Colour of the contour: X070. The rest is black. The background is white.

4. Classes of Energy Efficiency. The classes of energy efficiency must be established in accordance with the following table:

Energy Efficiency (Label Category)	Variation regarding the average fuel consumption of passenger cars of the same size (surface area)
A	Less than - 25%
B	Between -25% and -15%
C	Between -15% and -5%
D	Average: between -5% and 5%
E	Between 5% and 15%
F	Between 15% and 25%
G	More than 15%

Note:

The following equation is used to calculate the average consumption of passenger cars, linking the fuel consumption and surface area of the cars.

Petrol Cars Consumption average: $a \times e^{(b \times S)}$ i.e. a is multiplied by e raised to the product

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of b by S , where:

S is the surface area in square metres calculated by multiplying the car's length by its width.

And, figure $e = 2.7183$ (Euler's constant)

a and b are coefficient values/ constants:

$a = 2,1$; $b = 0,1733$

The fuel consumption average is expressed in litres per 100 kilometres.

Diesel-fuelled Vehicles

Consumption average: $a' \times e^{(b' \times S)}$ i.e. a' is multiplied by e raised to the product of b' by S , where:

S is the surface area in square metres calculated by multiplying the car's length by its width.

And, figure $e = 2.1783$

a' and b' are coefficient values:

$a' = 1,8$; $b' = 0,1516$

The consumption average is expressed in litres per 100 kilometres.

An update of the above equation and values of a , a' and b , b' will be made where appropriate by Resolution of the Ministry of Scientific and Technological Policy.

Annex II

Description of the guide on fuel economy and CO2 emissions

The Guide on Fuel Economy and CO2 emissions must contain at least the following information:

1. A listing, compiled annually of all new passenger car models available for purchase in Spanish territory, grouped by make and in alphabetical order. If the guide is updated more than once a year, then the guide should contain a listing of all new passenger car models available on the date of the publication of this update.
2. For each model that appears in the guide, the fuel type, the numerical value of the official fuel consumption and the official specific emissions of CO2. The value of the official fuel consumption is expressed in litres per 100 kilometres (l/100 km) and is rounded to the nearest decimal place. The official specific emissions of CO2 must be expressed to the nearest whole number in grams per kilometre (g/km). Decimals of 5 must be rounded up.
3. A prominent listing of the 10 most fuel-efficient new passenger car models ranked in order of increasing specific emissions of CO2 for each fuel type. The listing must contain the model, the numerical value of the official fuel consumption and the official specific emissions of CO2.
4. Advice to motorists that correct use and regular maintenance of the vehicle and driving behaviour, such as avoiding aggressive driving, speed moderation, anticipating the use of brakes, maintaining the correct tyre pressure, reducing periods of engine-idling, not carrying excessive weight (overloading) etc... will improve the fuel consumption and reduce the CO2 emissions of the passenger car.
5. An explanation of the consequences of greenhouse gas emissions, the risk of climate change and the influence of motor cars as well as a reference to the different fuel

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options available to the consumer and their impact on the environment, based on the latest scientific evidence and legislative requirements.

6. A reference to the Community's target for the average emissions of CO₂ from new passenger cars and the date of which the target should be achieved.

7. A reference to the guide on fuel economy and CO₂ emissions from the European Commission's website, when available.

Annex III

Description of the Poster or Display that must be shown at Point of Sale.

The Poster or Display must meet the following requirements:

1. The poster or display is a minimum size of 70 cm x 50 cm;
2. The information is easy to read;
3. If the information is displayed on an electronic screen, the screen size should be a minimum of 25 cm x 32 cm (...17 inches). Information may be submitted by scrolling techniques (vertical scroll bar);
4. The passenger car models are grouped and listed separately according to fuel type (e.g. petrol or diesel). Within each fuel type, models are ranked in order of increasing CO₂ emissions, with the model with the lowest official fuel consumption being placed at the top of the list;
5. For each passenger car model in the list, the make, the numerical value of the official fuel consumption and the official specific emissions of CO₂ are given. The value of the official fuel consumption is expressed in litres per 100 kilometres (l/100 km), and is quoted to one decimal place. The official specific emissions of CO₂ are quoted to the nearest whole number in grams per kilometre (g/km).

The list must adhere to the following format:

Type of Fuel	Classification	Model	CO ₂ Emissions	Fuel Consumption
Petrol	1			
	2			
	...			
Diesel	1			
	2			
	...			

6. Contain the following text regarding the availability of the guide on fuel consumption and CO₂ emissions: "A guide on fuel economy and CO₂ emissions which contains data for all new passenger car models is available at any point of sale free of charge". In case of the use of an electronic display screen, this message must be permanently visible.

(En todos los puntos de venta puede obtenerse gratuitamente una guía sobre el consumo de combustible y las emisiones de CO₂ en la que figuran los datos de todos los modelos de automóviles de turismo nuevos)

7. Contain the following text: "In addition to the fuel efficiency of a car, driving behaviour as well as other non-technical factors play a role in determining a car's fuel consumption and CO₂ emissions. CO₂ is the main greenhouse gas responsible for global warming". In case of the use of an electronic display screen, this message must be permanently

visible.

(El consumo de combustible y las emisiones de CO2 no sólo dependen del rendimiento del vehículo; también influyen el comportamiento al volante y otros factores no técnicos. El CO2 es el principal gas de efecto invernadero responsable del calentamiento del planeta)

8. The Poster or Display must be updated at least every six months. When an electronic screen display is used, the information must be updated at least once every three months.

9. The Poster or Display may be substituted completely and permanently by an electronic screen. In this case the electronic screen shall be presented in such a way that it attracts the awareness of the consumer at least with the same effectiveness as a poster / display would have achieved.

Annex IV

The provision of data for fuel consumption and CO2 emissions in promotional literature

Promotional literature / material must include the data of official fuel consumption and the specific official CO2 emissions of the cars to which they refer. This information must as a minimum, meet the following requirements:

1. Be easy to read and no less prominent than the main part of the information provided in the promotional literature;
2. Be easy to understand even on superficial contact (cursory reading);
3. Official fuel consumption data should be provided for all car models to which the promotional material / literature refers. If more than one model is specified then either the official fuel consumption data for all the models specified must be included or the range between the highest and lowest fuel consumption figures must be stated. Fuel consumption will be expressed in litres per 100 kilometres (l/100 km). All numerical data must be quoted to one decimal place.

If the promotional literature only contains reference to the make, and not to any particular model, then fuel consumption data need not be provided.
