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COUNCIL DIRECTIVE

of 4 March 1974

on the approximation of the laws of the Member States relating to the type-approval of wheeled agricultural to forestry tractors

(74/150/EEC)

(OJ L 84, 28.3.1974, p. 10)

Amended by:

		Official Journal		
		No	page	date
►**M1**	Council Directive 79/694/EEC of 24 July 1979	L 205	17	13.8.1979
►**M2**	Council Directive 82/890/EEC of 17 December 1982	L 378	45	31.12.1982
►**M3**	Council Directive 88/297/EEC of 3 May 1988	L 126	52	20.5.1988
►**M4**	Directive 97/54/EC of the European Parliament and of the Council of 23 September 1997	L 277	24	10.10.1997
►**M5**	Commission Directive 2000/2/EC of 14 January 2000	L 21	23	26.1.2000
►**M6**	Directive 2000/25/EC of the European Parliament and of the Council of 22 May 2000	L 173	1	12.7.2000
►**M7**	Commission Directive 2001/3/EC of 8 January 2001	L 28	1	30.1.2001

Amended by:

►**A1**	Act of Accession of Greece	L 291	17	19.11.1979
►**A2**	Act of Accession of Spain and Portugal	L 302	23	15.11.1985
►**A3**	Act of Accession of Austria, Sweden and Finland	C 241	21	29.8.1994
	(adapted by Council Decision 95/1/EC, Euratom, ECSC)	L 1	1	1.1.1995

Corrected by:

►**C1** Corrigendum, OJ L 226, 18.8.1976, p. 16 (74/150/EEC)

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COUNCIL DIRECTIVE

of 4 March 1974

on the approximation of the laws of the Member States relating to the type-approval of wheeled agricultural to forestry tractors

(74/150/EEC)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 100 thereof;

Having regard to the proposal from the Commission;

Having regard to the Opinion of the European Parliament [1];

Having regard to the Opinion of the Economic and Social Committee [2];

Whereas in each Member State tractors must comply with certain mandatory technical requirements; whereas such requirements differ from one Member State to another and consequently hinder trade within the European Economic Community;

Whereas such hindrances to the establishment and proper functioning of the common market can be reduced, and even eliminated, if all Member States adopt the same requirements, either in addition to or in place of their existing laws;

Whereas the requirements of this Directive apply to tractors fitted with pneumatic types and having a maximum design speed between 6 and 25 km/h; whereas these requirements are intended principally to improve safety on the road and at work in so far as the design of these vehicles is concerned; whereas, on the other hand, other tractors and, in particular, those with a maximum design speed in excess of 25 km/h will if necessary, be subject to special requirements;

Whereas it is the established practice of the Member States to check that tractors comply with the relevant technical requirements before they are placed on the market; whereas this check is carried out on tractor types;

Whereas the harmonized technical requirements applicable to individual tractor parts and characteristics should be specified in special Directives;

Whereas at Community level it is necessary to introduce a Community type-approval procedure for each tractor type in order that compliance with the above requirements can be checked and that each Member State may recognize checks carried out by other Member States;

Whereas that procedure must enable each Member State to ascertain whether a tractor type has been submitted to the checks laid down by special Directives and listed in a type-approval certificate; whereas that procedure must enable manufacturers to complete a certificate of conformity for all tractors which conform to an approved type; whereas a tractor accompanied by such a certificate must be considered by all Member States as conforming to their own laws; whereas each Member State should inform the other Member States of its findings by sending a copy of the type-approval certificate completed for each tractor type which has been approved;

Whereas, as a transitional measure, it must be possible to grant type-approval on the basis of Community requirements as and when special Directives relating to the various tractor parts or characteristics enter into force, national requirements remaining applicable in respect of parts and characteristics still not covered by such Directives;

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[1] OJ No C 160, 18. 12. 1969, p. 29.
[2] OJ No C 48, 16. 4. 1969, p. 17.

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Whereas, without prejudice to Articles 169 and 170 of the Treaty, it is advisable within the framework of cooperation between the competent authorities of the Member States, to lay down provisions to help resolve disputes of a technical nature regarding the conformity of production models to an approved type;

Whereas a tractor may conform to an approved type but nevertheless have certain features which are potential safety hazards on the road or at work; whereas it is therefore advisable to prescribe an appropriate procedure to preclude such hazards;

Whereas technical progress requires prompt adaption of the technical requirements specified in the special Directives; whereas, in order to facilitate implementation of the measures required for this purpose, a procedure should be prescribed for establishing close cooperation between the Member States and the Commission within the Committee on the Adaptation to Technical Progress of the Directives on the Removal of Technical Barriers to Trade in the Agricultural or Forestry Tractor Sector,

HAS ADOPTED THIS DIRECTIVE:

CHAPTER I

Definitions

Article 1

1. 'Agricultural or forestry tractor' means any motor vehicle, fitted with wheels or ►C1 endless tracks ◄, having at least two axles, the main function of which lies in its tractive power and which is specially designed to tow, push, carry or power certain tools, machinery or trailers intended for agricultural or forestry use. It may be equipped to carry a load and passengers.

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2. This Directive shall apply only to tractors defined in paragraph I which are equipped with pneumatic tyres and have at least two axles and a maximum design speed of between 6 and ►M4 40 km/h ◄.

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Article 2

For the purposes of this Directive:

(a) 'national type-approval' means the administrative procedure known as:

— 'agréation par type' and 'aanneming' in Belgian law;
— 'standardtypegodkendelse' in Danish law;
— 'allgemeine Betriebserlaubnis' in German law;
— 'réception par type' in French law;
— 'type-approval' in Irish law;
— 'omologazione' or 'approvazione del tipo' in Italian law;
— 'agréation' in Luxembourg law;
— 'typegoedkeuring' in Netherlands law;
— 'type-approval' in the law of the United Kingdom;

▼A1

— 'έγκριση τύπου' in Hellenic law;

▼A2

— homologación de tipo in Spanish law,
— aprovação de marca e modelo in Portuguese law;

▼A3

— 'Typengenehmigung' in Austrian law;
— "tyyppihyväksyntä" — "typgodkännande" in Finnish law;
— 'typgodkännande' in Swedish law.

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(b) 'EEC type-approval' means the procedure whereby a Member State certifies that a tractor type satisfies the technical requirements of the ►M7 special Directives listed in Annex II ◄ and the checks listed in the EEC type-approval certificate, the model of which is given in Annex II.

CHAPTER II

EEC tractor type-approval

Article 3

Application for EEC type-approval shall be submitted by the manufacturer or his authorized representative to a Member State. ►M7 An application shall be accompanied by an exhaustive list of information or an information document, the models of which are given in Annex I, and by the documents referred to therein. ◄ No application in respect of any one type of tractor may be submitted to more than one Member State.

Article 4

1. ►M7 A Member State shall approve all tractor types (defined in Annex II, along with the category to which it belongs) which satisfy the following conditions: ◄

(a) the tractor type must conform to the particulars in the information document;

(b) the tractor type must satisfy the checks listed in the model, referred to in Article 2 (b), of the type-approval certificate.

2. The Member State which has granted type-approval shall take the necessary measures to verify, in so far as is necessary, and if need be in cooperation with the competent authorities of the other Member States, that production models conform to the approved prototype. Such verification shall be limited to spot checks.

The Member State shall complete all the sections of a type-approval certificate for each tractor type which it approves.

Article 5

1. The competent authorities of each Member State shall send within one month to the competent authorities of the other Member States a copy of the information document and approval certificate for each tractor type which they approve or refuse to approve.

2. The manufacturer or his authorized representative in the country of registration shall complete a certificate of conformity, the model of which is given in Annex III, for each tractor manufactured in conformity with the approved prototype.

3. Member States may, however, for purposes of tractor taxation or completion of its registration documents, ask for particulars not mentioned in Annex III to be given on the certificate of conformity, provided that such particulars are explicitly stated on the information document or can be derived therefrom by a straight-forward calculation.

Article 6

1. The Member State which has granted EEC type-approval must take the necessary measures to ensure that it is informed of any cessation of production and of any change in particulars appearing in the information document.

2. If the State in question considers that such a change does not require an amendment to the existing type-approval certificate, or completion of a new type-approval certificate, the competent authorities of that State shall inform the manufacturer thereof and shall send to the competent authorities of the other Member States, in periodic

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consignments, copies of amendments to information documents which have already been distributed.

3. If the State in question finds that an amendment to an information document warrants fresh checks or fresh tests and that it is accordingly necessary to amend the existing type-approval certificate or complete a new type-approval certificate, the competent authorities of that State shall inform the manufacturer thereof and shall, within one month of such new documents being completed, send them to the competent authorities of the other Member States.

4. Where a type-approval certificate is amended or replaced or production of the approved tractor type ceases, the competent authorities of the Member State which granted that type-approval shall, within one month, communicate to the competent authorities of the other Member States the serial numbers of the last tractor produced in conformity with the old certificate and, where applicable, the serial numbers of the first tractor produced in conformity with the new or amended certificate.

Article 7

1. No Member State may refuse the registration or may prohibit the sale, entry into service or use of any new tractor on grounds relating to its construction or operation where that tractor is accompanied by a certificate of conformity.

2. Nevertheless, this certificate shall not prevent a Member State from taking such measures in respect of tractors which do not conform to the approved prototype.

Failure to conform to the approved prototype shall be established where deviations from the particulars in the information document are found to exist and where these deviations have not been authorized under Article 6 (2) or (3) by the Member State which granted the type-approval. A tractor shall not be considered to deviate from the approved type where tolerances are permitted by special Directives and these tolerances are respected.

Article 8

1. If the Member State which has granted EEC type-approval finds that a number of tractors accompanied by a certificate of conformity to a particular type do not conform to the type which it has approved, it shall take the necessary measures to ensure that production models conform to the approved type. The competent authorities of that State shall advise those of the other Member States of the measures taken, which may, where necessary, extend to withdrawal of EEC type-approval. The said authorities shall take like measures if they are informed by the competent authorities of another Member State of such failure to conform.

2. The competent authorities of the Member States shall inform one another, within one month, of any withdrawal of EEC type-approval, and of the reasons for such a measure.

3. If the Member State which has granted EEC type-approval disputes the failure to conform notified to it, the Member States concerned shall endeavour to settle the dispute.

The Commission shall be kept informed and shall, where necessary, hold appropriate consultations for the purpose of reaching a settlement.

Article 9

1. If a Member State finds that tractors of a particular type may be a hazard to safety on the road or at work, even though they are accompanied by a properly issued certificate of conformity, then that State may, for a maximum period of six months, refuse to register new tractors of that type or prohibit their sale, entry into service or use in its territory. It shall forthwith inform the other Member States and the Commission thereof, stating the reasons for its decision.

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2. The Commission shall within six weeks consult the Member States concerned. It shall deliver an opinion without delay and take appropriate steps. Where the Commission considers that an amendment as envisaged in Article 11 is necessary, the period of time laid down in paragraph 1 of this Article shall be extended until the procedure set out in Article 13 has been completed.

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Article 9a

1. Where the separate Directives make express provision for so doing, EEC type-approval may also be granted for types of systems or parts of tractors which form a separate technical unit.

2. Where the separate technical unit to be approved fulfils its function or offers a specific feature only in conjunction with other components of the tractor and for this reason compliance with one or more requirements can be verified only when the separate technical unit to be approved operates in conjunction with other tractor components, whether real or simulated, the scope of the EEC type-approval of the separate technical unit must be restricted accordingly. The EEC type-approval certificate for a separate technical unit shall then include any restrictions on its use and shall indicate any conditions for fitting it. Observance of these restrictions and conditions shall be verified at the time of EEC type-approval of the tractor.

3. Articles 3 to 9 and 14 shall apply by analogy.

However, the holder of the EEC type-approval for a separate technical unit granted in accordance with this Article shall be obliged not only to complete the certificate provided for in Article 5 (2), but also to affix to each unit manufactured in conformity with the approved type the trade name or mark, the type and, if the separate Directive so provides, the type-approval number.

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CHAPTER III

Transitional provisions

Article 10

1. Once this Directive has entered into force and as the special Directives necessary for the granting of EEC type-approval become applicable:

— in Member States where tractors or a category of tractor are subject to national type-approval, such national type-approval shall be based on the harmonized technical requirements instead of on the corresponding national requirements if the applicant so requests;

— in Member States where tractors or a category of tractor are not subject to national type-approval, the sale, registration, entry into service or use of such tractors may not be refused or prohibited on the grounds that they comply with the harmonized technical requirements instead of the corresponding national requirements provided that the manufacturer or his authorized representative informs the competent authorities of those States that they do so comply;

— on application by a manufacturer or his authorized representative and on submission of the information document referred to in Article 3, the Member State concerned shall complete the sections of the type-approval certificate referred to in Article 2 (b). A copy of this certificate shall be issued to the applicant. Other Member States shall accept this document as proof that the requisite checks have been carried out on the same type of tractor.

2. The provisions of paragraph 1 of this Article shall be repealed once all the requirements necessary for the granting of EEC type-approval are applicable.

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CHAPTER IV

General and final provisions

Article 11

Any changes which are necessary in order to adapt:

— Annexes I, II and III of this Directive; or

— the provisions contained in the special Directives referred to in Annex II and specified in each of those Directives,

to take account of technical progress shall be adopted in accordance with the procedure laid down in Article 13.

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This procedure shall also apply for the purpose of introducing the provisions relating to EEC type-approval for separate technical units into the separate Directives.

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Article 12

1. A Committee on the Adaptation to Technical Progress of the Directives on the Removal of Technical Barriers to Trade in the Agricultural and Forestry Tractors Sector, hereinafter called 'the Committee', is hereby set up; it shall consist of representatives of the Member States with a representative of the Commission as Chairman.

2. The Committee shall adopt its own rules of procedure.

Article 13

1. Where the procedure laid down in this Article is to be followed, matters shall be referred to the Committee by the Chairman, either on his own initiative or at the request of the representative of a Member State.

2. The representative of the Commission shall submit to the Committee a draft of the measures to be adopted. The Committee shall deliver its Opinion on the draft within a time limit set by the Chairman having regard to the urgency of the matter. Opinions shall be adopted by a majority of ►A2 fifty-four ◄ votes, the votes of Member States being weighted as provided in Article 148 (2) of the Treaty. The Chairman shall not vote.

3. (a) The Commission shall adopt the measures envisaged where they are in accordance with the Opinion of the Committee.

(b) Where the measures envisaged are not in accordance with the Opinion of the Committee, or if no Opinion is adopted, the Commission shall without delay propose to the Council the measures to be adopted. The Council shall act by a qualified majority.

(c) If, within three months of the proposal being submitted to it, the Council has not acted, the proposed measures shall be adopted by the Commission.

Article 14

Any decisions taken pursuant to the provisions adopted in implementation of this Directive and refusing or withdrawing type-approval, or refusing registration or prohibiting sale or use, shall state in detail the reasons on which they are based. A decision shall be notified to the party concerned, who shall at the same time be informed of the remedies available to him under the laws in force in the Member States and of the time limits allowed for the exercise of such remedies.

Article 15

1. Member States shall put into force provisions containing the provisions necessary in order to comply with this Directive within

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eighteen months of its notification and shall forthwith inform the Commission thereof.

2. Member States shall ensure that the texts of the main provisions of national law which they adopt in the field covered by this Directive are communicated to the Commission.

Article 16

This Directive is addressed to the Member States.

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LIST OF ANNEXES

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ANNEX I

MODEL INFORMATION DOCUMENTS

(All of the information documents referred to in the Directive and in the separate directives shall consist solely of extracts from this exhaustive list and shall use its numbering system to the exclusion of all others.)

The following information, if applicable, must be supplied in triplicate and include a list of contents. Any drawings needed shall be supplied to an appropriate scale and with sufficient detail in A4 format or in a folder of this format. Photographs, if any, must show sufficient detail.

MODEL A

Exhaustive list

Model A should be used in the absence of a type-approval certificate or component type-approval certificate issued pursuant to a separate directive.

0. GENERAL

0.1. Make(s) (trade mark registered by the manufacturer): .....

0.2. Type (specify any variants and versions): .....

0.2.1. Trade name(s) (where appropriate): .....

0.3. Means of identification of type, if marked on the tractor: .....

0.3.1. Manufacturer's plate (location and method of affixing): .....

0.3.2. Chassis identification number (location): .....

0.4. Category of tractor ([4]): .....

0.5. Name and address of manufacturer: .....

0.6. Location of and method of affixing statutory plates and inscriptions (photographs or drawings): .....

0.7. Location of the EC type-approval mark on systems, components and separate technical units, and method of affixing it: .....

0.8. Name(s) and address(es) of assembly plant(s): .....

1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE TRACTOR

(attach 3/4 front and 3/4 rear photographs or drawings of a representative vehicle, and a dimensioned drawing of the entire tractor)

1.1. Number of axles and wheels: .....

1.1.1. Number and position of axles with twinned wheels (if applicable): .....

1.1.2. Number and position of steered axles: .....

1.1.3. Powered axles (number, position, interconnection): .....

1.1.4. Brakes axles (number, position): .....

1.2. Position and arrangement of the engine: .....

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1.3. Position of the steering wheel: right/left/centre ([1])

1.4. Reversible driving position: yes/no ([1])

1.5. Chassis: backbone/chassis with side members/articulated chassis/other ([1])

1.6. Tractor designed for driving on the: right/left ([1])

2. MASSES AND DIMENSIONS ([5]) (in kg and mm)
(refer to drawings where applicable)

2.1. Unladen mass(es)

2.1.1. Unladen mass(es) of the tractor in running order ([15]) (serving as a reference point for the various separate directives) (including the roll-over protection structure, excluding optional accessories, but with coolant, lubricants, fuel, tools and driver) ([6]):

— maximum: .....

— minimum: .....

2.1.1.1. Distribution of this (these) mass(es) among the axles: .....

2.2. Maximum mass(es) as declared by the manufacturer: .....

2.2.1. Maximum laden mass(es) of tractor according to the tyre specification: .....

2.2.2. Distribution of this (these) mass(es) among the axles: .....

2.2.3. Limits on the distribution of this (these) mass(es) among the acles (specify the minimum limits in percentages on the front axle and on the rear axle)

2.2.3.1. Mass(es) and tyre(s):

Axle No	Tyres (dimensions)	Load capacity	Technically permissible maximum mass on each axle	Maximum permissible vertical load (*) on the coupling point
1				
2				
3				

(*) Load transmitted to the reference centre of the coupling under static conditions.

2.2.4. Payload ([15]): .....

2.3. Ballast masses (total weight, material, number of components): .....

2.3.1. Distribution of this (these) mass(es) among the axles: .....

2.4. Technically permissible towable mass(es) (according to type of coupling)

2.4.1. Unbraked towable mass: .....

2.4.2. Independently braked towable mass: .....

2.4.3. Inertia-braked towable mass: .....

2.4.4. Towable mass when fitted with hydraulic or pneumatic braking: .....

2.4.5. Total technically permissible mass(es) of the tractor-trailer combination for each configuration of trailer braking: .....

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2.4.6. Position of coupling point

2.4.6.1. Height above ground:

2.4.6.1.1. Maximum: .....

2.4.6.1.2. Minimum: .....

2.4.6.2. Distance from the vertical plane passing through the axis of the rear axle: .....

2.5. Wheelbase ([7]): .....

2.6. Maximum and minimum width of track of each axle (measured between the symmetry planes of the single or twin tyres normally fitted) (to be stated by the manufacturer) ([8]): .....

2.7. Overall dimensions of the tractor, including coupling unit

2.7.1. Length for on-road use ([9]):

— maximum: .....

— minimum: .....

2.7.2. Width for on-road use ([10]):

— maximum: .....

— minimum: .....

2.7.3. Height for on-road use ([11]):

— maximum: .....

— minimum: .....

2.7.4. Forward overhang ([12]):

— maximum: .....

— minimum: .....

2.7.5. Rear overhang ([13]):

— maximum: .....

— minimum: .....

2.7.6. Ground clearance ([14]):

— maximum: .....

— minimum: .....

3. ENGINE

3.1. **Part 1 — General**

3.1.1. **Parent engine/engine type** ([1]) ([20])

Manufacturer's registered trade mark(s): .....

3.1.2. Type and commercial description of the parent engine and (where appropriate) of the family of engine(s) ([1]):

.....

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3.1.3. Means of identification of type, if marked on the engine(s), and method of affixing it:

3.1.3.1. Location, means of identification and method of affixing the engine type identification characters: .....

3.1.3.2. Location and method of affixing the EC type-approval number: .....

3.1.4. Name and address of manufacturer: .....

3.1.5. Addresses of assembly plants: .....

3.1.6. Operating principle:

— spark/compression ignition (1)

— direct/indirect injection (1)

— two/four-stroke (1)

3.1.7. Fuel:

diesel/petrol/LPG/other (1)

3.2. **Part 2 — Engine type**

Essential characteristics of the engine type

3.2.1. Description of the compression ignition engine

3.2.1.1. Manufacturer: .....

3.2.1.2. Engine type affixed by the manufacturer: .....

3.2.1.3. Working principe: four/two-stroke (1)

3.2.1.4. Bore: ..... mm

3.2.1.5. Stroke: ..... mm

3.2.1.6. Number and arrangement of cylinders: .....

3.2.1.7. Engine displacement: ..... cm^3

3.2.1.8. Engine rating: ..... min^{-1}

3.2.1.9. Maximum torque: ..... min^{-1}

3.2.1.10. Compression ratio (2): .....

3.2.1.11. Combustion system: .....

3.2.1.12. Drawing(s) of combustion chamber and piston crown: .....

3.2.1.13. Minimum cross-section of inlet and exhaust pipes: .....

3.2.1.14. Cooling system

3.2.1.14.1. Liquid

3.2.1.14.1.1. Type of liquid: .....

3.2.1.14.1.2. Circulation pump(s): with/without (1)

3.2.1.14.1.3. Characteristics or make(s) and type(s) (if applicable): .....

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3.2.1.14.1.4. Drive ratio(s) (if applicable): .....

3.2.1.14.2. Air

3.2.1.14.2.1. Blower: with/without (1)

3.2.1.14.2.2. Characteristics or make(s) and type(s) (if applicable): .....

3.2.1.14.2.3. Drive ratio(s) (if applicable): .....

3.2.1.15. Temperature authorised by the manufacturer:

3.2.1.15.1. Liquid cooling: maximum outlet temperature: ..... K

3.2.1.15.2. Air cooling: reference point: .....

Maximum temperature at reference point: ..... K

3.2.1.15.3. Maximum air supply temperature at the egress point of the inlet intercooler (where applicable): ..... K

3.2.1.15.4. Maximum temperature of exhaust gases in the exhaust pipes adjacent to the outlet flanges of the exhaust manifold: ..... K

3.2.1.15.5. Temperature of the lubricant: min.: ..... K, max.: ..... K

3.2.1.16. Supercharger: with/without (1)

3.2.1.16.1. Make: .....

3.2.1.16.2. Type: .....

3.2.1.16.3. Description of the system (e.g. maximum pressure, discharge valve, if applicable): .....

3.2.1.16.4. Intercooler: with/without (1)

3.2.1.17. Intake system: maximum permissible inlet depression at rated engine speed and full engine load: .. kPa

3.2.1.18. Exhaus system: maximum permissible back pressure at rated engine speed and full engine load: ... kPa

3.2.2. Additional anti-pollution devices (if any, and if not covered by another heading):

Description and/or diagrams: .....

3.2.3. Fuel feed

3.2.3.1. Feed pump

Pressure (2) or characteristic diagram: ..... kPa

3.2.3.2. Injection system

3.2.3.2.1. Pump

3.2.3.2.1.1. Make(s): .....

3.2.3.2.1.2. Type(s): .....

3.2.3.2.1.3. Delivery: ..... mm^3 (2) per injection or per cycle at a rated pump speed of: ..... min^{-1} (rated) and of: ..... min^{-1} (maximum torque) respectively, or diagram:

Indicate method used: on engine/on test bench (1)

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3.2.3.2.1.4. Injection advance

3.2.3.2.1.4.1. Injection advance curve (2): .....

3.2.3.2.1.4.2. Timing (2): .....

3.2.3.2.2. Injection piping

3.2.3.2.2.1. Lenght(s): ..... mm

3.2.3.2.2.2. Internal diameter: ..... mm

3.2.3.2.3. Injector(s)

3.2.3.2.3.1. Make(s): .....

3.2.3.2.3.2. Type(s): .....

3.2.3.2.3.3. Starting pressure (2) or diagram (1): .....

3.2.3.2.4. Governor

3.2.3.2.4.1. Make(s): .....

3.2.3.2.4.2. Type(s): .....

3.2.3.2.4.3. Cut-off initiation speed under full load (2): ..... min^{-1}

3.2.3.2.4.4. Maximum no-load speed (2): ..... min^{-1}

3.2.3.2.4.5. Idling speed (2): ..... min^{-1}

3.2.3.3. Cold-start system

3.2.3.3.1. Make(s): .....

3.2.3.3.2. Type(s): .....

3.2.3.3.3. Description: .....

3.2.4. Valve timing

3.2.4.1. Maximum valve lift and opening and closing angles in relation to top dead centre or equivalent characteristics: .....

3.2.4.2. Reference clearances and/or setting range (1)

3.2.5. Electronic control functions

If the engine has electronic control functions, relevant performance data must be provided, and in particular:

3.2.5.1. Make: .....

3.2.5.2. Type: .....

3.2.5.3. Component number: .....

3.2.5.4. Location of electronic control unit: .....

3.2.5.4.1. Components detected: .....

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3.2.5.4.2. Components controlled: .....

3.3 **Part 3 — Compression ignition engine family**

Essential characteristics of engine family

3.3.1. List of engine types making up the family

3.3.1.1. Name of engine family: .....

3.3.1.2. Specifications of engine types within the family

					Representative engine
Engine types					
Number of cylinders					
Nominal rating (min^{-1})					
Fuel intake per stroke (mm^3) at nominal rating					
Net rated power (kW)					
Maximum torque (min^{-1})					
Fuel intake per stroke (mm^3) at maximum torque					
Maximum torque (N.m)					
Idling speed (min^{-1})					
Cylinder capacity as a percentage of the representative engine					100

3.4. **Part 4 — Engine type within the family**

Essential characteristics of the family's representative engine type ([20])

3.4.1. Description of the compression ignition engine

3.4.1.1. Manufacturer: .....

3.4.1.2. Engine type affixed by the manufacturer: .....

3.4.1.3. Four/two-stroke ([1])

3.4.1.4. Bore: ..... mm

3.4.1.5. Stroke: ..... mm

3.4.1.6. Number and arrangement of cylinders:

3.4.1.7. Engine displacement: ..... cm^3

3.4.1.8. Engine rating: ..... min^{-1}

3.4.1.9. Engine speed at maximum torque: ..... min^{-1}

3.4.1.10. Compression ratio ([2]):

3.4.1.11. Combustion system: .....

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3.4.1.12. Drawing(s) of combustion chamber and piston crown:

3.4.1.13. Minimum cross-section of inlet and exhaust pipes: .....

3.4.1.14. Cooling system

3.4.1.14.1. Liquid

3.4.1.14.1.1. Type of liquid: .....

3.4.1.14.1.2. Circulation pump(s): with/without (1)

3.4.1.14.1.3. Characteristics or make(s) and type(s) (if applicable): .....

3.4.1.14.1.4. Drive ratio(s) (if applicable): .....

3.4.1.14.2. Air

3.4.1.14.2.1. Blower: with/without (1)

3.4.1.14.2.2. Characteristics or make(s) and type(s) (if applicable): .....

3.4.1.14.2.3. Drive ratio(s) (if applicable): .....

3.4.1.15. Temperature authorised by the manufacturer:

3.4.1.15.1. Liquid cooling: maximum outlet temperature: ..... K

3.4.1.15.2. Air cooling: reference point: .....

Maximum temperature at reference point: ..... K

3.4.1.15.3. Maximum air supply temperature at the egress point of the inlet intercooler (where applicable): ..... K

3.4.1.15.4. Maximum temperature of exhaus gases in the exhaust pipes adjacent to the outlet flanges of the exhaust manifold: ..... K

3.4.1.15.5. Temperature of the lubricant: minimum: ..... K, maximum: ..... K

3.4.1.16. Supercharger: with/without (1)

3.4.1.16.1. Make: .....

3.4.1.16.2. Type: .....

3.4.1.16.3. Description of the system (e.g. maximum pressure, discharge valve, where applicable): .....

3.4.1.16.4. Intercooler: with/without (1)

3.4.1.17. Intake system: maximum permissible inlet depression at rated engine speed: ..... kPa

3.4.1.18. Exhaust system: maximum permissible back pressure at rated engine speed: ..... kPa

3.4.2. Additional anti-pollution devices (if any, and if not covered by another heading)

Description and/or (1) diagram(s): .....

3.4.3. Fuel feed

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3.4.3.1. Feed pump

Pressure (2) or characteristic diagram: ..... kPa

3.4.3.2. Injection system

3.4.3.2.1. Pump

3.4.3.2.1.1. Make(s): .....

3.4.3.2.1.2. Type(s): .....

3.4.3.2.1.3. Delivery: ..... mm^3 (2) per injection or per cycle at a rated pump speed of: ..... min^{-1} (rated) and of: ..... min^{-1} (maximum torque) respectively, or diagram.

Indicate method used: on engine/on test bench (1)

3.4.3.2.1.4. Injection advance: .....

3.4.3.2.1.4.1. Injection advance curve (2): .....

3.4.3.2.1.4.2. Timing (2): .....

3.4.3.2.2. Injection piping

3.4.3.2.2.1. Length(s): ..... mm

3.4.3.2.2.2. Internal diameter: ..... mm

3.4.3.2.3. Injector(s):

3.4.3.2.3.1. Make(s): .....

3.4.3.2.3.2. Type(s): .....

3.4.3.2.3.3. Starting pressure (2) or diagram:

3.4.3.2.4. Governor

3.4.3.2.4.1. Make(s): .....

3.4.3.2.4.2. Type(s): .....

3.4.3.2.4.3. Cut-off initiation speed under full load (2): ..... min^{-1}

3.4.3.2.4.4. Maximum no-load speed (2): ..... min^{-1}

3.4.3.2.4.5. Idling speed (2): ..... min^{-1}

3.4.3.3. Cold-start system

3.4.3.3.1. Make(s): .....

3.4.3.3.2. Type(s): .....

3.4.3.3.3. Description: .....

3.4.4. Valve timing

3.4.4.1. Maximum valve lift and opening and closing angles in relation to top dead centre or equivalent characteristics: .....

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3.4.4.2. Reference clearances and/or setting range ([1]): .....

3.4.5. Electronic control functions

If the engine has electronic control functions, information concerning their performance must be supplied, and in partiuclar:

3.4.5.1. Make: .....

3.4.5.2. Type: .....

3.4.5.3. Component number: .....

3.4.5.4. Location of electronic control unit

3.4.5.4.1. Components detected: .....

3.4.5.4.2. Components controlled: .....

3.5. Fuel tank(s)

3.5.1. Number, capacity, materials: .....

3.5.2. Drawing, photograph or description clearly indicating the position of the tank(s):

3.5.3. Reserve fuel tank(s)

3.5.3.1. Number, capacity, materials: .....

3.5.3.2. Drawing, photograph or description clearly indicating the position of the tank(s):

3.6. Rated power: ..... kW at ..... min^{-1} at standard setting (in accordance with European Parliament and Council Directive 97/68/EC (OJ L 59, 27.2.1998, p. 1))

3.6.1. Power at the power take-off (PTO), (in accordance with code 1 or 2 of the OECD or ISO 789-10), if any, at the rated speed(s)

Rated speed PTO (min^{-1})	Corresponding engine speed (min^{-1})	Power (kW)
1-540	.....	.....
2-1 000	.....	.....

3.7. Maximum torque: ..... N.m at ..... min^{-1} (according to Directive 97/68/EC)

3.8. Other traction engines or motors (spark ignition, etc.), or combinations thereof (characteristics of components): .....

3.9. Air filter

3.9.1. Make(s): .....

3.9.2. Type(s): .....

3.9.3. Average depression at maximum power ([2]): ..... kPa

3.10. Exhaust system

3.10.1. Description and diagrams: .....

3.10.2. Make(s): .....

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3.10.3. Type(s): .....

3.11. Electrical system

3.11.1. Nominal voltage, positive/negative earth ([1]) V

3.11.2. Generator

3.11.2.1. Type: .....

3.11.2.2. Rated power: ..... VA

4. TRANSMISSION ([15])

4.1. Diagram of the transmission system: .....

4.2. Type (mechanical, hydraulic, electric, etc.): .....

4.2.1. Brief description of the electrical/electronic components (if any): .....

4.3. Engine flywheel moment of inertia: .....

4.3.1. Additinal moment of inertia if no gear is engaged: .....

4.4. Clutch (type) (if any): .....

4.4.1. Maximum torque conversion (if any): .....

4.5. Gearbox (type, direct engagement, method of control) (if any): .....

4.6. Gear ratios (if any) with or without transfer box ([16])

Gear	Gearbox ratio	Transfer-box ratio(s)	Final drive ratio	Overall gear ratio
Maximum for CVT (*)				
1				
2				
3				
Minimum for CVT (*)				
Reverse				
1				
...				

(*) Continuously variable transmission.

4.6.1. Maximum dimensions of tyres on powered axles: .....

4.7. Calculated maximum tractor design speed in top gear (show factors used in calculation) ([16]): .... km/h

4.7.1. Measured maximum speed: ..... km/h

4.8. Actual forward movement of powered wheels corresponding to one complete revolution: .....

4.9. Speed governor: yes/no ([1])

4.9.1. Description: .....

4.10. Speedometer, tachometer and hour meter (if fitted)

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4.10.1. Speedometer (if fitted)

4.10.1.1. Method of operation and description of drive mechanism: .....

4.10.1.2. Instrument constant: .....

4.10.1.3. Measuring mechanism tolerance: .....

4.10.1.4. Overall transmission ratio: .....

4.10.1.5. Design of the instrument dial or of the other forms of read-out: .....

4.10.1.6. Brief description of the electrical/electronic components: .....

4.10.2. Tachometer and hour meter (if fitted): yes/no [1]

4.11. Differential lock (if fitted): yes/no [1]

4.12. Power take-off(s) (revolutions per minute and ratio of this figure to that of the engine) (number, type and position)

4.12.1. Main power take-off(s): .....

4.12.2. Other(s): .....

4.12.3. Power take-off guard(s) (description, dimensions, photographs):

4.13. Protection of engine parts, projecting parts and wheels (descriptions, drawings, sketches, photographs)

4.13.1. Single surface protection: .....

4.13.2. Multi-surface protection: .....

4.13.3. Protection by total encapsulation: .....

4.14. Brief description of the electrical/electronic components (if any): .....

5. AXLES

5.1. Description of each axle: .....

5.2. Make (where appropriate): .....

5.3. Type (where appropriate): .....

6. SUSPENSION (where appropriate)

6.1. Extreme (maximum-minimum) tyre/wheel combinations (if any) (dimensions, characteristics, inflation pressure for road use, maximum permissible load, wheel dimensions and front/rear combinations): ....

6.2. Type of suspension (if fitted) for each axle or wheel: .....

6.2.1. Level adjustment: yes/no/optional [1]

6.2.2. Brief description of the electrical/electronic components (if any): .....

6.3. Other devices (if any): .....

7. STEERING (descriptive diagram)

7.1. Steering category: manual/power-assisted/servo steering [1]

7.1.1. Reversible driving position (description): .....

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7.2. Transmission and control

7.2.1. Type of steering transmission (specify for front and rear, if applicable): .....

7.2.2. Linkage to the wheels (including other than mechanical means; specify for front and rear, if applicable): .....

7.2.2.1. Brief description of the electrical/electronic components (if any): .....

7.2.3. Method of power assistance, if any: .....

7.2.3.1. Method and diagram of operation, make(s) and type(s): .....

7.2.4. Diagram of the steering equipment as a whole, showing the position on the tractor of the various devices influencing its steering behaviour: .....

7.2.5. Schematic diagram(s) of the steering control(s): .....

7.2.6. Range and method of adjustment, if any, of the steering control: .....

7.3. Maximum turning angle of the wheels (if fitted):

7.3.1. To the right: ..... degrees Number of steering wheel turns: .....

7.3.2. To the left: ..... degrees Number of steering wheel turns: .....

7.4. Minimum turning circle (without braking) ([17]):

7.4.1. To the right: ..... mm

7.4.2. To the left: ..... mm

7.5. Method of adjustment of the steering control (where applicable): .....

7.6. Brief description of the electrical/electronic components (if any): .....

8. BRAKES (overall sketch and operating sketch) ([18])

8.1. Service braking system: .....

8.2. Secondary braking system (if fitted): .....

8.3. Parking brake: .....

8.4. Any additional braking device(s) (and especially retarder): .....

8.5. For tractors with anti-lock brake systems, description of system operation (including any electronic parts), electric block diagram, hydraulic or pneumatic circuit plan: .....

8.6. List of braking-system components, properly identified: .....

8.7. Dimensions of the largest permissible tyres on the brakes axles: .....

8.8. Calculation for the braking system (determination of the ratio of the total braking forces at the circumference of the wheels to the force applied to the braking control): .....

8.9. Locking of left and right braking controls: .....

8.10. External energy source(s) (if any)

(characteristics, capacity of energy reservoirs, maximum and minimum pressure, pressure gauge and minimum-pressure warning device on the dashboard, vacuum reservoirs and supply valve, supply compressors, compliance with provisions regarding pressure equipment): .....

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8.11. Tractors fitted with trailer braking devices

8.11.1. Trailer-brake actuating device (description, characteristics): .....

8.11.2. Mechanical/hydraulic/pneumatic coupling (1)

8.11.3. Connectors, couplings, safety devices (description, drawing, sketch): .....

8.11.4. Single- or two-line connections (1)

8.11.4.1. Supply overpressure (1 line): ..... kPa

8.11.4.2. Supply overpressure (2 line): ..... kPa

9. FIELD OF VISION, GLAZING, WINDSCREEN WIPERS AND REAR-VIEW MIRRORS

9.1. Field of vision

9.1.1. Drawing(s) or photograph(s) showing the position of parts in the forward field of vision: .....

9.2. Glazing

9.2.1. Data for quick identification of reference point: .....

9.2.2. Windscreen(s)

9.2.2.1. Material(s) used: .....

9.2.2.2. Method of fitting: .....

9.2.2.3. Rake angle(s): ..... degrees

9.2.2.4. Component type-approval mark(s): .....

9.2.2.5. Windscreen accessories and their location and concise description of any electrical/electronic components: .....

9.2.3. Other window(s)

9.2.3.1. Position(s): .....

9.2.3.2. Material(s) used: .....

9.2.3.3. Component type-approval mark(s): .....

9.2.3.4. Brief description of the electrical/electronic components (if fitted) of the side-window operating mechanism: .....

9.3. Windscreen wipers: yes/no (1) (description, number, frequency of operation): .....

9.4. Rear-view mirror(s)

9.4.1. Class(es): .....

9.4.2. Component type-approval mark(s): .....

9.4.3. Position(s) in relation to tractor structure (drawings): .....

9.4.4. Fixing method(s): .....

9.4.5. Optional equipment that might restrict the field of vision to the rear: .....

9.4.6. Brief description of the electrical/electronic components (if fitted) of the adjusting system: .....

9.5. Defrosting and demisting:

9.5.1. Technical description: .....

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10.	ROLL-OVER PROTECTIVE STRUCTURES, WEATHER PROTECTION, SEATS, LOAD PLATFORMS
10.1.	Roll-over protective structures (dimensioned drawings, photographs (where appropriate), description): . .
10.1.1.	Frame(s)
10.1.1.1.	Trademark(s): . . . . .
10.1.1.2.	Component type-approval mark(s): . . . . .
10.1.1.3.	Internal and external diemensions: . . . . .
10.1.1.4.	Material(s) and method of construction: . . . . .
10.1.2.	Cab(s)
10.1.2.1.	Trademark(s): . . . . .
10.1.2.2.	Component type-approval mark(s): . . . . .
10.1.2.3.	Doors (number, dimensions, direction of opening, latches and hinges): . . . . .
10.1.2.4.	Windows and emergency exit(s) (number, dimensions, positions): . . . . .
10.1.2.5.	Other weather protection arrangements (description): . . . . .
10.1.2.6.	Internal and external dimensions: . . . . .
10.1.3.	Roll bar(s) mounted and front/rear ([1]), fold-down or not ([1])
10.1.3.1.	Description (position, fixing, etc.): . . . . .
10.1.3.2.	Trade mark(s) or name(s): . . . . .
10.1.3.3.	Component type-approval mark(s): . . . . .
10.1.3.4.	Dimensions: . . . . .
10.1.3.5.	Material(s) and method of construction: . . . . .
10.2.	Operating space and access to driving cab (description, characteristics, or dimensioned drawings): . . . . .
10.3.	Seats and footrests
10.3.1.	Driving seat(s) (drawings, photographs, description): . . . . .
10.3.1.1.	Trade mark(s) or name(s): . . . . .
10.3.1.2.	Component type-approval mark(s): . . . . .
10.3.1.3.	Seat type category: category A class I/II/III, category B ([1])
10.3.1.4.	Position and main characteristics: . . . . .
10.3.1.5.	Adjustment system: . . . . .
10.3.1.6.	Displacement and locking system: . . . . .
10.3.2.	Passenger seats (number, dimensions, position and characteristics): . . . . .
10.3.3.	Footrests (number, dimensions and positions): . . . . .
10.4.	Load platform
10.4.1.	Dimensions: . . . . . mm
10.4.2.	Position: . . . . .
10.4.3.	Technically permissible load: . . . . . kg

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10.4.4. Distribution of load among the axles: ..... kg

10.5. Suppression of radio interference

10.5.1. Description and drawings/photographs of the shapes and constituent materials of the part of the body forming the engine compartment and adjacent parts of the passenger compartment: .....

10.5.2. Drawings or photographs of the position of the metal components housed in the engine compartment (e.g. heating appliances, spare wheel, air filter, steering mechanism, etc.): .....

10.5.3. Table and drawing of radio interference control equipment: .....

10.5.4. Particulars of the nominal value of the direct current resistances, and in the case of resistive ignition cables, of their nominal resistance per metre: .....

11. LIGHTING AND LIGHT-SIGNALLING DEVICES (dimensioned sketches of the exterior of the tractor showing the position of the illuminating surface of all devices; number, wiring, type-approval mark and colour of lights)

11.1. Compulsory devices

11.1.1. Dipped-beam headlamps: .....

11.1.2. Front position (side) lamps: .....

11.1.3. Rear position lamps: .....

11.1.4. Direction indicator lamps:

— front: .....

— rear: .....

— side: .....

11.1.5. Rear reflex reflectors: .....

11.1.6. Rear registration plate lamps: .....

11.1.7. Stop lamps: .....

11.1.8. Hazard-warning device: .....

11.2. Optional devices

11.2.1. Main-beam headlamps: .....

11.2.2. Front fog lamps: .....

11.2.3. Rear fog lamps: .....

11.2.4. Reversing lamps: .....

11.2.5. Work lamps: .....

11.2.6. Parking lamps: .....

11.2.7. End-outline marker lamps: .....

11.2.8. Warning light(s) for trailer direction indicator lamps: .....

11.3. Brief description of electrical/electronic components other than lamps (if any): .....

12. MISCELLANEOUS

12.1. Audible warning device(s) (position): .....

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12.1.1. Component type-approval mark(s): .....

12.2. Mechanical couplings between tractor and towed vehicles

12.2.1. Type(s) of coupling: .....

12.2.2. Trademark(s): .....

12.2.3. Component type-approval mark(s): .....

12.2.4. Device designed for a maximum horizontal load of ..... kg; and for a maximum vertical load (if any) of ..... kg ([19])

12.3. Hydraulic lift: three-point coupling: yes/no ([1])

12.4. Power connection for lighting and light-signalling devices on trailer (description): .....

12.5. Installation, location, functioning and marking of controls (description, photographs or diagrams): .....

12.6. Location of rear registration plate (shape and dimensions): .....

12.7. Front coupling device (dimensioned drawing): .....

12.8. Description on the on-board electronics used for the operation and control of the vehicle-mounted or towed implements: .....

Notes

([1]) Delete if not applicable.

([2]) Give the tolerance.

([3]) If a part has been type-approved, that part need not be described if reference is made to such approval. Similarly, a part need not be described if its construction is clearly apparent from the attached diagrams or drawings.

State the numbers of the corresponding annexes for each heading where photographs or drawings must be attached.

([4]) Classification according to the definitions set out in Annex II.

([5]) Standards ISO 612 — 1978 and 1176 — 1990.

([6]) The mass of the driver shall be assumed to be 75 kg. 'Tools' means 'Tool box'.

([7]) Standard ISO 612 — 1978 (item 6.4).

([8]) Standard ISO 4004 — 1983.

([9]) Standard ISO 612 — 1978 (item 6.1).

([10]) Standard ISO 612 — 1978 (item 6.2).

([11]) Standard ISO 612 — 1978 (item 6.3).

([12]) Standard ISO 612 — 1978 (item 6.6).

([13]) Standard ISO 612 — 1978 (item 6.7).

([14]) Standard ISO 612 — 1978 (item 8).

([15]) The information requested should be supplied for all possible variants.

([16]) A 5 % tolerance is permitted. This provision must be based on a measured speed not exceeding 43 km/h, including the tolerance of 3 km/h (See Commission Directive 98/89/EC (OJ L 322, 1.12.1998, p. 40)).

([17]) Standard ISO 789/3 — 1993.

([18]) The following particulars are to be given for each braking device:

— type and character of brakes (dimensioned sketch) (drums or discs, etc., braked wheels, transmission to those wheels, friction surfaces, their properties and effective areas, radius of drums, shoes or discs, weight of drums and adjustment devices),

— transmission and control (attach diagram) (construction, adjustment, lever rations, accessibility of control and its position, ratchet controls in the case of mechanical transmission, characteristics of the main parts of the transmission, control cylinders and pistons, brake cylinders).

([19]) Values in respect of the mechanical strength of the coupling device.

([20]) In the case of applications involving more than one parent engine, a separate form should be submitted for each one.

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MODEL B

Simplified information document for the purposes of EC tractor type-approval

Part I

Model B is to be used where one or more type-approval or component type-approval certificates issued pursuant to separate directives are available.

The numbers of the relevant type-approval or component type-approval certificates must be given in the table in Part III.

The information referred to in Annex III (certificate of conformity) must be provided for each of chapters 1-12 below and for each type/variant/version of tractor.

Where no type-approval or component type-approval certificate issued pursuant to a separate directive is available, the information referred to in model A of the information document must also be provided for the corresponding chapters.

0. GENERAL

0.1. Make(s) (trade mark registered by the manufacturer): .....

0.2. Type (specify any variants and versions): .....

0.2.1. Trade name(s) (where appropriate): .....

0.3. Manufacturer's type coding if marked on the tractor

0.3.1. Manufacturer's plate (location and method of affixing): .....

0.3.2. Chassis identification number (location): .....

0.4. Category of tractor [1]: .....

0.5. Name and address of manufacturer: .....

0.7. In the case of components or separate technical units, location and method of affixing the EC approval mark: .....

0.8. Name(s) and address(es) of assembly plant(s): .....

1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE TRACTOR

(attach 3/4 front and 3/4 rear photographs or drawings of a representative version, and a dimensioned drawing of the entire tractor)

2. MASSES AND DIMENSIONS

3. ENGINE

4. TRANSMISSION

5. AXLES

6. SUSPENSION

7. STEERING

8. BRAKES

9. FIELD OF VISION, GLAZING, WINDSCREEN WIPERS AND REAR-VIEW MIRROR

10. ROLL-OVER PROTECTION STRUCTURE, WEATHER PROTECTION, SEATS, LOAD PLATFORM

11. LIGHTING AND LIGHT SIGNALLING DEVICES

12. MISCELLANEOUS

[1] Classification according to the definitions set out in Annex II.

▼M7

Part II

Table summarising the authorised combinations in the various versions of those items in Part I for which there are multiple entries. Each entry for each of these components is to receive a letter which will identify the entry or entries in the table concerning a specific component or components that can apply to a specific version.

A separate table is to be dran up for each variant of the type.

Multiple entries subject to no restriction as regards their combination within a variant shall be entered in the 'All versions' column.

Item No	All versions	Version 1	Version 2	etc.	Version 'n'

This information may be presented in an alternative format or layout so long as the original purpose is fulfilled.

Each variant and version shall be identified by a numerical or alphanumerical code, which must also be entered on the certificate of conformity (Annex III) of the tractor concerned.

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Part III

Typ-approval numbers relating to the separate directives

Supply the information requested below in the aspects [1] applying to the tractor.

For the purposes of EC type-approval, all the type-approval or component type-approval certificates concerned (together with their annexes) must be included and presented to the approval authorities.

Purpose	EC-type-approval or component type-approval number	Date of type-approval or component type-approval	Type(s), variant(s), version(s) covered
Example Braking devices	E1*76/432*97/54*0026*00 E4*76/432*97/54*0039*00	3.2.2000 1.3.2000	MF/320/U MF/320/F

Signature:

Position within organisation:

Date:

[1] Information which appears on the relevant installation approval certificate need not be repeated here.

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ANNEX II

CHAPTER A

Definition of tractor categories and types

1. THE TRACTOR CATEGORIES ARE DEFINED AS FOLLOWS:

   — Category T_1: wheeled tractors with a maximum design speed of not more than 40 km/h, with at least one axle having a minimum track width of not less than 1 150 mm, with an unladen mass, in running order, of more than 600 kg, and with a ground clearance of not more than 1 000 mm.

   — Category T_2: wheeled tractors with a maximum design speed of not more than 40 km/h, with a minimum track width of less than 1 150 mm, with an unladen mass, in running order, of more than 600 kg and with a ground clearance of not more than 600 mm. However, where the heigth of the centre of gravity of the tractor [1] (measured in relation to the ground) divided by the average minimum track for each axle exceeds 0,90, the maximum design speed is restricted to 30 km/h.

   — Category T_3: wheeled tractors with a maximum design speed of not more than 40 km/h, and with an unladen mass, in running order, of not more than 600 kg.

   — Category T_4: other wheeled tractors with a maximum design speed of not more than 40 km/h (as defined in Appendix 1).

2. THE TYPE OF TRACTOR IS DEFINED AS FOLLOWS:

   'type' means tractors of the same category that are identical in respect of at least the following essential aspects:

   — manufacturer,
   — manufacturer's type designation,
   — essential construction and design characteristics:
      — backbone chassis/chassis with side members/articulated chassis (obvious and fundamental differences),
      — engine (internal combustion/electric/hybrid),
      — axles (number),

   'variant' means tractors of the same type identical in respect of at least the following aspects:

   — engine:
      — operating principle,
      — number and arrangement of cylinders,
      — power difference of no more than 30 % (the highest power being no more than 1,3 times the lowest power),
      — cylinder capacity difference of no more than 20 % (the hghest figure being no more than 1,2 times the lowest figure),
   — powered axles (number, position, interconnection),
   — steered axles (number and position),
   — maximum laden mass differing by no more than 10 %,
   — transmission (type),
   — roll-over protection structure,
   — braked axles (number),

   'version' of a variant means tractors which consist of a combination of items shown in the information package in accordance with Annex I.

[1] In accordance with ISO standard 789, part 6.

▼M7

CHAPTER B

List of requirements for the purposes of EC tractor type approval

PART I

List of separate Directives

(As appropriate, taking account of the scope and latest amendments to each of the following separate Directives)

No	Subject	Basic Directive and Annex	Oficial Journal (OJ) L	Applicability (for T4 see Appendix 1)		
				T1	T2	T3
1.1	Maximum laden mass	74/151/EEC I	84, 28.3.1974, p. 25	X	X	X
1.2	Registration plate	74/151/EEC II	—	X	X	X
1.3	Fuel tank	74/151/EEC III	—	X	X	X
1.4	Ballast masses	74/151/EEC IV	—	X	X	X
1.5	Audible warning device	74/151/EEC V	—	X	X	X
1.6	Sound leel (external)	74/151/EEC VI	—	X	X	X
2.1	Maximum speed	74/152/EEC paragraph 1	84, 28.3.1974, p. 33	X	X	X
2.2	Load platforms	74/152/EEC paragraph 2	—	X	X	X
3.1	Rear-view mirrors	74/346/EEC	191, 15.7.1974, p. 1	X	X	X
4.1	Field of vision and windscreen wipers	74/347/EEC	191, 15.7.1974, p. 5	X	X	X
5.1	Steering	75/321/EEC	147, 9.6.1975, p. 24	X	X	X
6.1	Suppression of radio interference	75/322/EEC	147, 9.6.1975, p. 28	X	X	X
7.1	Braking devices	76/432/EEC	122, 8.5.1976, p. 1	X	X	X
8.1	Passenger seats	76/763/EEC	262, 27.9.1976, p. 135	X	—	X
9.1	Sound levels (internal)	77/311/EEC	105, 28.4.1977, p. 1	X	X	X
10.1	Roll-over protective structures (ROPS)	77/536/EEC	220, 29.8.1977, p. 1	X	—	—
11.1	Diesel emissions (smoke)	77/537/EEC	220, 29.8.1977, p. 38	X	X	X
12.1	Driving seat	78/764/EEC	255, 18.9.1978, p. 1	X	X	X
13.1	Lighting installation	78/933/EEC	325, 20.11.1978, p. 16	X	X	X

▼M7

No	Subject	Basic Directive and Annex	Oficial Journal (OJ) L	Applicability (for T4 see Appendix 1)		
				T1	T2	T3
14.1	Lighting and light signalling devices	79/532/EEC	145, 13.6.1979, p. 16	X	X	X
15.1	Coupling and reversing devices	79/533/EEC	145, 13.6.1979, p. 20	X	X	X
16.1	ROPS (static testing)	79/622/EEC	179, 17.7.1979, p. 1	X	—	—
17.1	Operating space, access to the driving position	80/720/EEC	194, 28.7.1980, p. 1	X	—	X
18.1	Power take-offs	86/297/EEC	186, 8.7.1986, p. 19	X	X	X
19.1	Rear-mounted ROPS (narrow-track tractors)	86/298/EEC	186, 8.7.1986, p. 26	—	X	—
20.1	Installation of the controls	86/415/EEC	240, 26.8.1986, p. 1	X	X	X
21.1	Front-mounted ROPS (narrow-track tractors)	87/402/EEC	220, 8.8.1987, p. 1	—	X	—
22.1	Dimensions and towable mass	89/173/EEC I	67, 10.3.1989, p. 1	X	X	X
22.2	Glazing	89/173/EEC III	—	X	X	X
22.3	Speed governor	89/173/EEC II,1	—	X	X	X
22.4	Protection of drive components	89/173/EEC II,2	—	X	X	X
22.5	Mechanical linkages	89/173/EEC IV	—	X	X	X
22.6	Registration plate	89/173/EEC V	—	X	X	X
22.7	Trailer-brake coupling	89/173/EEC VI	—	X	X	X
23.1	Pollutant emissions	2000/25/EC	173, 12.7.2000, p. 1	X	X	X

X = Directive applicable as it is.

— = Not applicable.

▼M7

PART II

In the following table, the technical requirements of the separate directives relating to motor vehicles (in the latest version in force) may be used applied in place of those of the corresponding directives relating to agricultural tractors.

Number given in the table in Part I and subject of the Directive relating to agricultural tractors		Number of the basic Directive relating to motor vehicles	Official Journal L
1.5.	Audible warning device	70/388/EEC	329, 25.11.1982, p. 31
1.6.	(External) sound levels	70/157/EEC	42, 23.2.1970, p. 16
4.1.	Field of vision and windscreen wiper	77/649/EEC	284, 10.10.1978, p. 11
5.1.	Steeering	70/311/EEC	133, 18.6.1970, p. 10
6.1.	Suppression of radio interference	72/245/EEC	152, 6.7.1972, p. 15
7.1.	Braking devices	71/320/EEC	202, 6.9.1971, p. 37
11.1.	Diesel emissions (smoke)	72/306/EEC	190, 20.8.1972, p. 1
14.1.	Rear reflex reflextors	76/757/EEC	262, 27.9.1976, p. 32
14.1.	Rear lamps	76/758/EEC	262, 27.9.1976, p. 54
14.1.	Direction indicator	76/759/EEC	262, 27.9.1976, p. 71
14.1.	Number plate illumination	76/760/EEC	262, 27.9.1976, p. 85
14.1.	Headlights	76/761/EEC	262, 27.9.1976, p. 96
14.1.	Dipped-beam headlamps	76/761/EEC	—
14.1.	Front fog lamps	76/762/EEC	262, 27.9.1976, p. 122
14.1.	Rear fog lamps	77/538/EEC	220, 29.8.1977, p. 60
14.1.	Reversing lamps	77/539/EEC	220, 29.8.1977, p. 72
22.2.	Safety glazing	92/22/EEC	129, 14.5.1992, p. 11
23.1.	Pollutant emissions	88/77/EEC	36, 9.2.1988, p. 33

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Appendix 1

Part I

Definition of T4 tractors and conditions of use

1. T4 tractors

1.1. T4.1 High-clearance tractors:

Tractors designed for working with high-growing crops e.g. vines. They feature a raised chassis or section of chassis, enabling them to advance in parallel with the crop with left and right wheels on either side of one or more rows of the crop. They are intended for carrying or operating tools, which may be fitted at the front, between the axles, at the rear or on a platform. When the tractor is in working position the ground clearance perpendicular to the crop rows exceeds 1 000 mm. Where the height of the centre of gravity of the tractor [1] (measured in relation to the ground, using the tyres normally fitted), divided by the average minimum track of all of the axles exceeds 0,90, the maximum design speed must not exceed 30 km/h.

1.2. T4.2 Extra-wide tractors:

Tractors characterised by their large dimensions, primarily intended for working large areas of farmland.

[1] In accordance with ISO standard 789, part 6.

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Part II

Applicability of the separate Directives to T4 tractors

No	Subject	Directive and Annex	Applicability	
			T4.1	T4.2
1.1	Maximum laden mass	74/151/EEC I	X	(X)
1.2	Registration plate	74/151/EEC II	X	X
1.3	Fuel tank	74/151/EEC III	X	X
1.4	Ballast masses	74/151/EEC IV	X	X
1.5	Audible warning device	74/151/EEC V	X	X
1.6	Sound level (external)	74/151/EEC VI	X	X
2.1	Maximum speed	74/152/EEC paragraph 1	X	X
2.2	Load platforms	74/152/EEC paragraph 2	(X)	X
3.1	Rear-view mirrors	74/346/EEC	(X)	X
4.1	Field of vision and windscreen wipers	74/347/EEC	(X)	(X)
5.1	Steering	75/321/EEC	X	X
6.1	Suppression of radio interference	75/322/EEC	X	X
7.1	Braking devices	76/432/EEC	(X)	X
8.1	Passenger seats	76/763/EEC	X	X
9.1	Sound levels (internal)	77/311/EEC	X	X
10.1	ROPS	77/536/EEC	SD	X
11.1	Diesel emissions (smoke)	77/537/EEC	X	X
12.1	Driving seat	78/764/EEC	(X)	X
13.1	Lighting installation	78/933/EEC	(X)	(X)
14.1	Lighting and light signalling devices	79/532/EEC	X	X
15.1	Coupling and reversing devices	79/533/EEC	(X)	X
16.1	ROPS (static testing)	79/622/EEC	SD	X
17.1	Operating space, access to the driving position	80/720/EEC	(X)	(X)
18.1	Power take-offs	86/297/EEC	X	X
19.1	Rear-mounted ROPS (narrow-track tractors)	86/298/EEC	—	—
20.1	Installation of the controls	86/415/EEC	X	X
21.1	Front-mounted ROPS (narrow-track tractors)	87/402/EEC	—	—
22.1	Dimensions and towable mass	89/173/EEC I	(X)	(X)
22.2	Glazing	89/173/EEC III	X	X
22.3	Speed governor	89/173/EEC II, I	X	X
22.4	Protection of drive components	89/173/EEC II,2	(X)	X
22.5	Mechanical linkages	89/173/EEC IV	X	(X)
22.6	Registration plate	89/173/EEC V	X	X

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No	Subject	Directive and Annex	Applicability	
			T4.1	T4.2
22.7	Trailer-brake coupling	89/173/EEC VI	X	(X)
23.1	Pollution emissions	2000/25/EC	X	X

X = Directive applicable.

(X) = Directive applicable in amended form [1].

DP = Requires separate directive.

— = Not applicable.

[1] For EC type-approval to be granted, the parentheses will have to be removed. Meanwhile, until the 'second stage' revision of the framework Directive, once all requirements of individual directives have been met, including those required by a separate directive (SD) not yet drafted, an EC type-approval certificate may be granted.

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APPENDIX 2

Procedures to be followed during EC tractor type-approval

1. In the case of an application made in accordance with Article 3 (Annex I, model B), the approval authority shall:

   (a) check that the component type-approvals and type-approvals issued pursuant to the separate directives are applicable, and shall arrange for any tests and checks required by any of the separate directives not covered by such approvals to be carried out;

   (b) make sure, by reference to the documentation, that the tractor specification(s) and data contained in part I of the tractor information document are included in the data in the information packages or the approval certificates for the relevant separate directive approvals and, when an item number in part I of the information document is not included in the information package for any of the separate directives, confirm that the relevant part or characteristic conforms to the particulars in the information folder;

   (c) carry out or arrange to have carried out, on a selected sample of tractors from the type to be approved, inspections of tractor parts and systems to verify that the tractor(s) is/are built in accordance with the relevant data contained in the authenticated information package in respect of all separate directive approvals;

   (d) carry out or arrange to have carried out relevant installation checks in respect of separate technical units where applicable.

2. The number of tractors to be inspected for the purposes of paragraph 1(c) shall be sufficient to permit the proper examination of the various combinations to be approved in accordance with the following criteria:

   — engine,
   — gearbox,
   — powered axles (number, position, interconnection),
   — steered axles (number and position),
   — braked axles (number),
   — roll-over protection structure.

3. In the case of an application made in accordance with Article 3 (Annex I, model A), the approval authority shall:

   (a) arrange for the necessary tests and checks as required by each of the relevant separate directives;

   (b) verify that the tractor conforms to the particulars in the tractor information folder and that it meets the technical requirements of each of the relevant separate directives;

   (c) carry out or arrange to have carried out relevant installation checks in respect of separate technical units, where applicable.

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CHAPTER C

EC tractor type-approval report

PART I

SPECIMEN: (maximum format: A4 (210 × 297 mm) or a folder of A4 format)

Stamp of administration

Communication concerning:

— approval (1)

— extension of approval (1)

— refusal to grant approval (1)

— withdrawal of approval (1)

of a type of tractor pursuant to Directive 74/150/EEC, as last amended by Directive .../.../EC

Typ-approval number: .....

Reason for extension: .....

0. GENERAL

0.1. Make(s) (registered by the manufacturer): .....

0.2. Type (specify any variants and versions): .....

0.2.1. Trade name(s) (where appropriate): .....

0.3. Means of identification of type, if marked on the tractor: .....

0.3.1. Manufacturer's plate (location and method of affixing): .....

0.3.2. Chassis identification number (location): .....

0.4. Category of tractor: .....

0.5. Manufacturer's name and address: .....

0.8. Name(s) and address(es) of assembly plant(s): .....

I the undersigned hereby certify the accuracy of the manufacturer's description in the appended information document concerning the tractor(s) described above and the applicability of the appended results to that type of tractor.

The type of tractor meets/does not meet (1) the requirements of all of the relevant separate directives.

Type-approval is granted/refused/withdrawn (1)

....
(Place) (Date) (Signature)

Annexes: Information file (including Parts II and III (where appropriate) of the information document model B).

Test results

Name(s) and specimen(s) of the signature of the person(s) authorised to sign the certificates of conformity, and a statement as to his/their function within the organisation.

(1) Delete where not applicable.

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PART II

Test results

(to be completed by the approval authority and attached to the tractor type-approval report)

1. *Results of the sound-level tests (74/151/EEC)*

Number of basic directive and most recent amendment applicable for type-approval. For a directive with two or more application phases, indicate which phase: .....

— Variant/version:	.....	.....	.....
— Moving:	..... dB(A)	..... dB(A)	..... dB(A)
— Stationary:	..... dB(A)	..... dB(A)	..... dB(A)
— Engine speed:	..... min^{-1}	..... min^{-1}	..... min^{-1}

2. *Results of the exhaust emission tests*

Number of basic directive and most recent amendment applicable for type-approval. For a directive with two or more application phases, indicate which phase: .....

— Variant/version:	.....	.....	.....
1. Results			
— CO:	..... g/kWh	..... g/kWh	..... g/kWh
— HC:	..... g/kWh	..... g/kWh	..... g/kWh
— NO_x:	..... g/kWh	..... g/kWh	..... g/kWh
— Particulates:	..... g/kWh	..... g/kWh	..... g/kWh
— Smoke:	..... m^{-1}	..... m^{-1}	..... m^{-1}
2. Results [1]			
— CO:	..... g/kWh	..... g/kWh	..... g/kWh
— NO_x:	..... g/kWh	..... g/kWh	..... g/kWh
— NMHC:	..... g/kWh	..... g/kWh	..... g/kWh
— CH_4:	..... g/kWh	..... g/kWh	..... g/kWh
— Particulates:	..... g/kWh	..... g/kWh	..... g/kWh

3. *Driver-perceived sound level (77/311/EEC)*

Number of basic directive and most recent amendment applicable for type approval. For a directive with tow or more application phases, indicate which phase: .....

— Variant/version:	..... dB(A)	..... dB(A)	..... dB(A)

[1] Where applicable.

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APPENDIX 1

Numbering system for EC type-approval reports

1. The approval number consists of four parts where complete tractors are approved and of five parts where systems, components and separate technical units are approved, in accordance with the requirements set out below. Components and separate technical units shall be marked in accordance with the provisions of the relevant separate directive. In all cases the sections are to be separated by an asterisk.

   Section 1: a lower-case letter 'e' followed by the distinguishing number of the Member State issuing the approval:

   1 for Germany; 2 for France, 3 for Italy; 4 for the Netherlands; 5 for Sweden, 6 for Belgium, 9 for Spain; 11 for the United Kingdom; 12 for Austria; 13 for Luxembourg; 17 for Finland; 18 for Denmark; 21 for Portugal; 23 for Greece; 24 for Ireland.

   Section 2: number of the base Directive.

   Section 3: number of the latest amending directive that is applicable to the approval.

   In the case of tractor approvals, this is the most recent directive that amends an Article(s) of Directive 74/150/EEC.

   In the case of approvals under separate directives, this is the most recent directive containing specific provisions to which the system, component or separate technical unit is to conform.

   Where a directive includes different dates of entry into force which refer to different technical standards a letter of the alphabet is to be added. This letter will identify the specific technical requirement on the basis of which approval has been granted.

   Section 4: 4-digit sequential number (with leading zeros as applicable) to denote the base approval number. The sequence starts from 0001 for each base directive.

   Section 5: 2-digit sequential number (with a leading zero if applicable) to denote the extension. The sequence shall start from 00 for each base approval number.

2. Where a tractor is approved, section 2 shall be omitted.

3. Section 5 is to be omitted solely from the statutory plate(s).

4. Example of a third system approval (that has so far received no extension) issued by France in respect of the Directive on working clearance and access:

   e 2*80/720*88/414*0003*00

   or

   e 2*88/77*91/542A*0003*00

   in the case of a directive involving two implementation stages, namely A and B.

5. Example of a second extension to a fourth tractor approval issued by the United Kingdom:

   e 11*97/54*0004*02

   in which case Directive 97/54/EC is the most recent Directive so far amending the Articles of Directive 74/150/EEC.

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6. Example of the approval number stamped on the tractor's statutory plate(s):

e 11*97/54*0004

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ANNEX III

EC CERTIFICATE OF CONFORMITY

PART I

MODEL: (maximum format: A4 (210 × 297 mm) or a folder of A4 format)

I the undersigned: .....
(full name)

hereby certify that the following tractor:

0.1. Make(s) (registered by the manufacturer): .....

0.2. Type (specify any variants and vesions): .....

0.2.1. Trade name(s) (where appropriate): .....

0.3. Manufacturer's type coding if marked on the tractor: .....

0.3.1. Manufacturer's plate (location and method of affixing): .....

0.3.2. Chassis identification number (loation): .....

0.4. Category of tractor: .....

0.5. Manufacturer's name and address: .....

0.6. Locations of the statutory plates: .....

Tractor identification number: .....

Numeric or alphanumeric identification code: .....

according to the type(s) of tractor described in the approval(s), corresponds in every respect to the type described in: .....

— Type-approval number: .....

— Date: .....

The tractor may be registered permanently, without requiring any further aprovals, for driving on the right/left [1].

....
(Place) (Date)

....
(Signature) (Position)

1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE TRACTOR

1.1. Number of axles and wheels: .....

of which

1.1.3. Powered axles: .....

1.1.4. Braked axles: .....

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1.4. Revrsible driving position: yes/no (1)

1.6. Tractor designed for driving on the: right/left (1)

2. MASSES AND DIMENSIONS

2.1.1. Unladen mass(es) in running order: .....

— maximum: .....

— minimum: .....

2.2.1. Maximum laden mass(es) of the tractor according to the tyre specification: .....

2.2.2. Distribution of that mass (those masses) among the axles: .....

2.2.3.1. Masse(es) and tyre(s): .....

Axle No	Tyres (dimensions)	Load capacity	Technically permissible maximum mass on each axle	Maximum permissible vertical load on the coupling point
1				
2				
3				

2.3. Ballast masses: (total mass, material, number of components): .....

2.4. Technically permissible towable masses: .....

2.4.1. Unbraked: ..... kg

2.4.2. With separate braking system: ..... kg

2.4.3. With inertia brakes: ..... kg

2.4.4 With assisted braking: ..... kg

2.4.5. Total mass of the tractor-trailer combination (for each configuration of trailer braking): ..... kg

2.4.6. Position of coupling point

2.4.6.1. Height of the coupling point above the ground:

2.4.6.1.1. Maximum: ..... mm

2.4.6.1.2. Minimum: ..... mm

2.4.6.2. Distance from the vertical plane passing through the axis of the rear axle: ..... mm

2.5. Wheelbase: ..... mm (2)

2.6. Minimum and maximum track: ..... / ..... mm (2)

2.7.1. Lenght: ..... mm (2)

2.7.2. Width: ..... mm (2)

2.7.3. Height: ..... mm (2)

3. ENGINE

3.1.1. Make: .....

3.1.3. Means of identification of type, method of the affixing, and location .....

3.1.6. Operating principle:

— spark/compression ignition (1)

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— direct/indirect injection (1)

— two/four-stroke (1)

3.1.7. Fuel:

diesel/petrol/LPG/other (1)

3.2.1.2. Type-approval number: .....

3.2.1.6. Number of cylinders: .....

3.2.1.7. Engine displacement: ..... cm^3

3.6. Rated power: ..... kW at ..... min^{-1} (3)

3.6.1. Power at power take-off: ..... kW (3) at ..... min^{-1} (rated speed PTO)

4. TRANSMISSION

4.5. Gearbox

Number of ratios:

— forward: .....

— reverse: .....

4.7. Calculated maximum design speed: ..... km/h

4.7.1. Measured maximum speed: ..... km/h

7. STEERING

7.1. Steering category: manual/power/servo steering (1)

8. BRAKING (brief description of the braking system):

8.11.4.1. Overpressure at coupling: (single-line): ..... kPa

8.11.4.2. Overpressure at coupling: (two-line): ..... kPa

10. ROLL-OVER PROTECTION STRUCTURE, SEAT, LOAD PLATFORM

10.1. Frame/cab (1)

— make(s):	.....	.....
— type-approval mark(s):	.....	.....

10.1.3. Roll-over hoop

— front/rear (1)

— fold-down/fixed (1)

— make(s):	.....	.....
— type-approval mark(s):	.....	.....

10.3.2. Passenger seat(s):

— Number: .....

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10.4. Load platform

10.4.1. Dimensions: ..... mm

10.4.3. Technically permissible load: ..... kg

11. LIGHTING AND LIGHT-SIGNALLING DEVICES

11.2. Optional devices .....

12. MISCELLANEOUS

12.2. Mechanical coupling between the tractor and the trailer:

12.2.1.	Type:	.....	.....
12.2.2.	Make(s):	.....	.....
12.2.3.	Type-approval mark(s):	.....	.....
12.2.4.	Maximum horizontal load (kg)	.....	.....
	Maximum vertical load (kg) (where appropriate)	.....	.....

12.3. Hydraulic lift: three-point coupling: yes/no [1]

13. EXTERIOR SOUND LEVEL

Number of base directive and most recent amendment applicable for type approval. For a Directive with two or more application phases, indicate which phase:

13.1. stationary: ..... dB(A)

13.2. moving: ..... dB(A)

14. DRIVER-PERCEIVED SOUND LEVEL

Number of base directive and most recent amendment applicable for type approval. For a Directive with tow or more application phases, indicate which phase: ..... dB(A)

15. EXHAUST EMISSIONS [2]

Number of basic directive and most recent amendment applicable for type approval. For a Directive with two or more application phases, indicate which phase: .....

15.1. Results of tests

CO: ..... g/kWh HC: ..... g/kWh NO_x: ..... g/kWh

Particulates: ..... g/kWh Smoke [x]: ..... m^{-1}

15.2. Results of tests [x]

CO: ..... g/kWh NO_x: ..... g/kWh NMHC: ..... g/kWh

CH_4: ..... g/kWh Particulates: ..... g/kWh

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16. FISCAL HORSEPOWER(S) OR CLASS(ES)

— Italy:	— France:	— Spain: .....
— Belgium:	— Germany:	— Luxembourg: .....
— Denmark:	— Netherlands:	— Greece: .....
— United Kingdom:	— Ireland:	— Portugal: .....
— Austria:	— Finland:	— Sweden: .....

17. COMMENTS (4)

.....

.....

(1) Delete where not applicable.
(2) State the minimum values.
(3) State the test method used.
(4) *Inter alia*, any information required with regard to the various optional areas or values an mutually dependent relationships (where appropriate, in the form of a table).
(x) Where applicable.