

THE NETHERLANDS

TEST REPORT

Concerning the masses and dimensions of motor vehicles and their trailers in accordance with Commission Regulation (EU) number 1230/2012, as last amended by Commission Regulation (EU) 2019/1892 as specified by Commission Regulation (EU) 2018/858 Annex II, Appendix 3.

Test report number : RDW-1230/2012-0126532

0.1. **Make** : Peugeot / Citroën / Fiat / Opel / Vauxhall / Toyota

0.2. **Type** : ETP / ETO / ETN / ETT

0.3. **Category of vehicle** : M1 (SH)

0.4. **Name and address of the manufacturer** : Tripod Mobility B.V.
Collseweg 10
5674 TR Nuenen
The Netherlands

General : The vehicle type as described in the document below has been inspected in accordance with the requirements laid down in the above-mentioned Regulation.
See documentation: ETP-2007/46-1347, dated: 20 February 2023
ETO-2007/46-1348, dated: 20 February 2023
ETN-2018/858-00149, dated: 20 February 2023

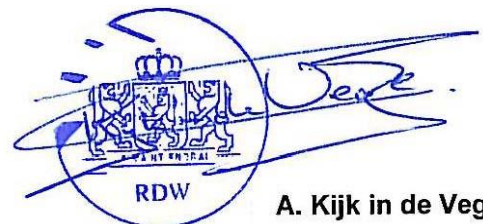
Tests : The tests have been carried out according to the above-mentioned Regulation. The tested system/component/separate technical unit is representative in terms of the type to be approved.

Conclusion : The type of vehicle does/~~does not~~ comply with the stated requirements of the above-mentioned Regulation.

Tests conducted on : 20 February 2023

By : A. Kijk in de Vegte

Zoetermeer (NL), 20 February 2023
The test engineer,



A. Kijk in de Vegte



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Reason for testing

Update of 1st Stage approval; introduction of new variant/version

Explanation of modification(s)

The base vehicle has been modified to a wheelchair accessible vehicle with a lowered floor. The modification(s) of the vehicle the exhaust system for the petrol and diesel engines consists of rerouting and relocating of the rear muffler(s).

Worst case description

N/A

General information of the representative test object

Make and type of the vehicle : --
Vehicle category : --
Vehicle Identification Number : --
Body style : --

General test information

Inspected by : A. Kijk in de Vegte
Place : Zoetermeer, The Netherlands
Date : 20 February 2023

Used test equipment

Item	Required accuracy	Identification
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Remarks

For all not by the modification effected items see approval(s)/ test report(s) listed in stage 1 approval.
Relevant data and approval(s) valid for donor vehicle and completed vehicle if applicable:

<u>Make</u>	<u>Type</u>	<u>Approval</u>
OPEL/VAUXHALL	ETO	e2*2007/46*0622*??
CITROËN/PEUGEOT/FIAT	ETP	e2*2007/46*0624*??
TOYOTA	ETT	e2*2007/46*0685*??
OPEL/VAUXHALL	ETN	e2*2007/46*0623*??
CITROËN/PEUGEOT/FIAT/	ETN	e2*2007/46*0625*??
TOYOTA	ETT	e2*2007/46*0686*??
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Technical requirements

1. Maximum authorised dimensions

1.1. The dimensions shall not exceed the following values:

1.1.1. Length ⁽¹⁾ : see 1st stage

1.1.2. Width ⁽²⁾ : see 1st stage

1.1.3. Height ⁽³⁾ : pass

1.2. Mass of the vehicle for the purposes of measurement of the length, width and height (required: mass in running order)

- Front axle : see attachment 1

- Rear axle : see attachment 1

- Total mass in running order : see attachment 1

2. Mass distribution

2.1. The sum of the technically permissible maximum mass on the axles shall not be less than the technically permissible maximum laden mass of the vehicle : pass

2.2. The technically permissible maximum laden mass of the vehicle shall not be less than the mass of the vehicle in running order plus the mass of the passengers plus the mass of the optional equipment plus the mass of the coupling if not included in the mass in running order : pass

2.3. If the vehicle is laden to the technically permissible maximum laden mass, the mass on each axle shall not exceed the technically permissible maximum mass on that axle : pass

2.4. If the vehicle is laden to the technically permissible maximum laden mass, the mass on the front axle shall in no event be less than 30 % of the technically permissible maximum laden mass of the vehicle : pass;
see attachment 1

2.4.1. If the vehicle is laden to the technically permissible maximum laden mass plus the technically permissible maximum mass at the coupling point, the mass on the front axle shall in no event be less than 20 % of the technically permissible maximum laden mass of the vehicle : N/A

¹⁾ Maximum 12.00 m for vehicles of category M1 and N1

²⁾ Maximum 2.55 m for vehicles of category M1 and N1, 2.60 m for vehicles fitted with a bodywork with insulated walls of at least 45 mm thick.

³⁾ Maximum 4.00 m for vehicles of category M1 and N1



- 2.5. If a vehicle is equipped with removable seats, the verification procedure shall be limited to the condition with the maximum number of seating positions : N/A
- 2.6.3. Distribution of the mass of the optional equipment : see appendix
- 2.6.4. Distribution of the pay-mass : see appendix
- 2.6.4.1. M1 vehicles
- 2.6.4.1.1. The pay-mass shall be distributed in accordance with the manufacturer's specifications in agreement with the technical service : pass
- 2.6.4.1.2. As regards motor caravans the minimum pay-mass (PM) shall meet the following requirement:
- PM in kg $\geq 10 (n+L)$: N/A
- 2.6.4.2. N1 vehicles
- 2.6.4.2.1. As regards vehicles with bodywork, the pay-mass shall be distributed uniformly on the cargo bed, maximum pay-mass : N/A
- 2.6.4.2.2. As regards vehicles without bodywork (e.g. chassis-cab), the manufacturer shall state the extreme permissible positions of the centre of gravity of the pay-mass increased by the mass of the equipment intended to accommodate goods (e.g. bodywork, tank, etc.) (for instance: from 0.50 m to 1.30 m in front of the first rear axle)
- Positions of the centre of gravity of the pay-mass behind front axle : N/A
- 2.6.4.2.3. As regards vehicles intended to be fitted with a fifth wheel coupling, the manufacturer shall state the minimum and maximum fifth wheel lead : N/A



- 2.7. Additional requirements where the vehicle is capable of towing a trailer
- 2.7.1. The requirements referred to in sections 2.2, 2.3 and 2.4 shall apply taking into account the mass of the coupling and the technically permissible maximum mass at the coupling point : N/A
- 2.7.2. Without prejudice to the requirements in section 2.4, the technically permissible maximum mass on the rear axle(s) may be exceeded by not more than 15 % : N/A
- 2.7.2.1. Where the technically permissible maximum mass on the rear axle(s) is exceeded by not more than 15 %, the requirements of point 5.2 of Annex II to Commission Regulation (EU) No 458/2011 shall apply
- Minimum load index required : --
- 2.7.2.2. In the Member States where the road traffic legislation allows it, the manufacturer may indicate in an appropriate supporting document, such as the owner's manual or the maintenance book that the technically permissible maximum laden mass of the vehicle may be exceeded by not more than 10 % or 100 kg, whichever value is lower
Does the manufacturer indicate the possibility of exceeding the technically permissible maximum laden mass : --
If yes, operating speed shall be restricted to 100 km/h or less : --
3. **Towable mass and mass at the coupling** : N/A
4. **Mass of the combination** : N/A
5. **Hill starting ability** : N/A



Appendix 1, Calculations of the mass distribution

General information of the tested vehicle

- Vehicle Identification Number	
- Type	ETN
- Variant	?FYHT2
- Version	F2P030-32M

Weights

- mass in running order (MRO) (2.6)	1814 kg
- front axle mass (MRO) (2.6.1.)	969 kg
- rear axle mass (MRO) (2.6.1.)	845 kg
- technically permissible maximum laden mass (2.8)	2390 kg
- technically permissible maximum mass on front axle (2.9)	1200 kg
- technically permissible maximum mass on rear axle (2.9.)	1400 kg
- mass of the coupling device	0 kg
- maximum vertical load on the coupling device	0 kg
- total mass of the optional equipment on front axle	0 kg
- total mass of the optional equipment on rear axle	0 kg

Dimensions

- Wheel base	2975 mm
- from front axle to R-point front passenger	1230 mm
- from front axle to R-point second row outboard passenger	2103 mm
- from front axle to R-point third row center passenger	2895 mm
- from front axle to R-point wheelchair+occupant	3179 mm
- from front axle to centre of luggage compartment/cargo bed	1600 mm
- from front axle to centre of gravity coupling device	0 mm
- rear overhang of the coupling device	0 mm

Number of passengers

- on the first row	1
- on the second row outboard	3
- on the third row center	0
- on the third row wheelchair+occupant (160 kg)	1

Does the manufacturer indicate the possibility of exceeding the technically permissible rear axle/maximum laden mass:

	no
- technically permissible maximum laden mass of the vehicle when towing a trailer	kg
- technically permissible maximum laden mass on rear axle when towing a trailer	kg

Calculated mass distribution

	front axle (kg)	rear axle (kg)	total (kg)
- mass in running order (MRO)	969.0	845.0	1814.0
- mass in running order (MRO) + optional equipment (maximum actual mass)	969.0	845.0	1814.0
- mass in running order (MRO) + optional equipment + all seats occupied	1068.0	1206.0	2274.0
- mass in running order (MRO) + optional equipment + all seats occupied + coupling	N/A	N/A	N/A
- mass in running order (MRO) + optional equipment + all seats occupied + coupling, trailer operation	N/A	N/A	N/A
- pay-mass without coupling (kg)		201	
- pay-mass with coupling (kg)		201	
- pay-mass with load on coupling device (kg)		201	



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- mass of the coupling device	0 kg
- maximum vertical load on the coupling device	0 kg
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- total mass of the optional equipment on rear axle	0 kg

Dimensions

- Wheel base	2975 mm
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- from front axle to R-point wheelchair+occupant	3179 mm
- from front axle to centre of luggage compartment/cargo bed	1600 mm
- from front axle to centre of gravity coupling device	0 mm
- rear overhang of the coupling device	0 mm

Number of passengers

- on the first row	1
- on the second row outboard	3
- on the third row center	2
- on the third row wheelchair+occupant (160 kg)	0

Does the manufacturer indicate the possibility of exceeding the technically permissible rear axle/maximum laden mass:

- technically permissible maximum laden mass of the vehicle when towing a trailer	no
- technically permissible maximum laden mass on rear axle when towing a trailer	kg

Calculated mass distribution

	front axle (kg)	rear axle (kg)	total (kg)
- mass in running order (MRO)	969.0	845.0	1814.0
- mass in running order (MRO) + optional equipment (maximum actual mass)	969.0	845.0	1814.0
- mass in running order (MRO) + optional equipment + all seats occupied	1083.0	1181.0	2264.0
- mass in running order (MRO) + optional equipment + all seats occupied + coupling	N/A	N/A	N/A
- mass in running order (MRO) + optional equipment + all seats occupied + coupling, trailer operation	N/A	N/A	N/A

- pay-mass without coupling (kg)	126
- pay-mass with coupling (kg)	126
- pay-mass with load on coupling device (kg)	126

