

| Environmental performances | | |
|----------------------------|--|--|
| 46. | Sound level | |
| | Stationary at engine speed: | 89.6 dB(A) at 1275 min ⁻¹ |
| | Drive-by: | 77 dB(A) |
| 47. | Exhaust emission level: | Euro VI-E |
| 48. | Exhaust emissions | |
| | Number of the base regulatory act and the latest amending regulatory act applicable: | EU Regulation 595/2009*2019/1939*E |
| | 1.2. Test procedure: WHSC (Euro VI) | CO: 78.61 mg/kWh THC: 7.23 mg/kWh NMHC: - mg/kWh NOx: 161.43 mg/kWh THC + NOx: - mg/kWh NH ₃ : 0.13 ppm Particulates (mass): 2.85 mg/kWh Particulates (number): 6.71E+10 #/kWh |
| | 2.2. Test procedure: WHTC (Euro VI) | CO: 102.94 mg/kWh NOx: 197.74 mg/kWh NMHC: - mg/kWh THC: 7.60 mg/kWh CH ₄ : - mg/kWh NH ₃ : 0.18 ppm Particulates (mass): 4.72 mg/kWh Particulates (number): 0.77E+11 #/kWh |
| 48.1. | Smoke corrected absorption coefficient: | - |
| 49. | CO2 emissions/fuel consumption/electric energy consumption | |
| 49.1. | Cryptographic hash of the manufacturer's records file: | RZoVcJHrEn+5qkPCgDNJbJAav9T3ZukqHeM7IbiDHJ8= |
| 49.2. | Zero emission heavy-duty vehicle: | no |
| 49.3. | Vocational vehicle: | no |
| 49.4. | Cryptographic hash of the customer information file: | ghZ82wYVT3IfFi4uA2UEHDF7EkGT3odyyS3afERf3Y0= |
| 49.5. | Specific CO2 emissions: | 59.1 gCO2/tkm |
| 49.6. | Average payload value: | 13.842 t |
| 49.7. | Vehicle subgroup/group: | 10-LH |
| Divers | | |
| 50. | Type-approved in accordance with the design requirements for transporting dangerous goods of UN Regulation No 105: | Not ADR |
| 51. | For special purpose vehicles: designation in accordance with point 5 of Part A of Annex I to Regulation (EU) 2018/858: | - |
| 52. | Remarks: | - (*) Vehicle equipped from factory with retarder (weight 100 kg) |

VOLVO TRUCK CORPORATION

EC CERTIFICATE OF CONFORMITY COMPLETE VEHICLES

The undersigned, Micael Lundberg, Homologation Manager, hereby certifies that the vehicle:

- | | | |
|----------|---|---|
| 0.1. | Make (trade name of manufacturer): | Volvo |
| 0.2. | Type: | VTG3T |
| | Variant: | C6FHA3 |
| | Version: | N6RR6J69022903H5TUUA |
| 0.2.1. | Commercial name: | FH16 |
| 0.2.2.1. | Allowed Parameter Values for multistage type approval to use the base vehicle emission values (insert range when applicable): | - |
| 0.2.3. | Identifiers: | - |
| 0.4. | Vehicle category: | N3 |
| 0.5. | Company name and address of manufacturer: | Volvo Truck Corporation SE-405 08 Göteborg, Sweden |
| 0.6. | Location and method of attachment of the statutory plates: | Behind the front lid, riveted |
| | Location of the vehicle identification number: | RH side of the frame, above the front axle |
| 0.9. | Name and address of the manufacturer's representative: | - |
| 0.10. | Vehicle identification number: | YV2R002C7PA333174 |
| 0.11. | Date of manufacture of the vehicle: | 2023-07-15 |

conforms in all respects to the type described in approval:

e5*2007/46*1016*16

granted on:

2023-04-11

and can be permanently registered in Member States having right hand traffic and using metric units for the speedometer and metric units for the odometer (if applicable).

Göteborg, Sweden

2023-07-15



Micael Lundberg



| | | |
|---|---|--|
| General construction characteristics | | |
| 1. | Number of axles / and wheels: | 3 / 8 |
| 1.1. | Number / and position of axles with twin wheels: | 1 / 3 |
| 2. | Steered axles (number / position): | 2 / 1 + 2 |
| 3. | Powered axles (number / position, interconnection): | 1 / 3, Not applicable |
| 3.1. | Non-automated | |
| Main dimensions | | |
| 4. | Wheelbase: | 4100 mm |
| 4.1. | Axle spacing: | 1-2: 2780 mm / 2-3: 1320 mm |
| 5. | Length: | 6662 mm |
| 5.2. | Elongated cab complying with Article 9a of Directive 96/53/EC: | No |
| 5.3. | Vehicle not equipped with aerodynamic device or equipment | |
| 6. | Width: | 2544 mm |
| 7. | Height: | - |
| 8. | Fifth wheel lead for semi-trailer towing vehicle (maximum and minimum): | 1260-650 mm |
| 9. | Distance between the front end of the vehicle and the centre of the coupling device: | 4205-4815 mm |
| 11. | Length of the loading area: | - |
| 12. | Rear overhang: | 1197 mm |
| Masses | | |
| 13. | Mass in running order: | 9830 kg |
| 13.1. | Distribution of this mass amongst the axles: | 1: 6276 kg / 2: 1454 kg / 3: 2100 kg |
| 13.2. | Actual mass of the vehicle: | 9830 kg |
| 13.3. | Additional mass for alternative propulsion: | - |
| 16. | Technically permissible maximum masses | |
| 16.1. | Technically permissible maximum laden mass: | 31000 kg |
| 16.2. | Technically permissible mass on each axle: | 1: 9000 kg / 2: 9000 kg / 3: 13000 kg |
| 16.3. | Technically permissible mass on each axle group: | 1: 9000 kg / 2: 22000 kg |
| 16.4. | Technically permissible maximum mass of the combination: | 50000 kg |
| 17. | Intended registration / in service maximum permissible masses in national traffic | |
| 17.1. | Intended registration / in service maximum permissible laden mass: | BE: 26100 kg |
| 17.2. | Intended registration / in service maximum permissible laden mass on each axle: | BE: 1: 9000 kg / 2: 9000 kg 3: 12000 kg |
| 17.3. | Intended registration / in service maximum permissible laden mass on each axle group: | BE: 1: 9000 kg / 2: 20100 kg |
| 17.4. | Intended registration / in service maximum permissible mass of the combination: | BE: 44100 kg |

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| 18. | Technically permissible maximum towable mass in case of | |
| 18.1. | Drawbar trailer: | - |
| 18.2. | Semi-trailer: | 54800 kg |
| 18.3. | Centre-axle trailer: | - |
| 18.3.1 | Rigid drawbar trailer: | - |
| 18.4. | Unbraked trailer: | 750 kg |
| 19. | Technically permissible maximum static mass at the coupling point: | 20000 kg |
| Power plant | | |
| 20. | Manufacturer of the engine: | Volvo Powertrain Corporation |
| 21. | Engine code as marked on the engine: | D16K650 EUVI |
| 22. | Working principle: | Compression ignition, four stroke |
| 23. | Pure electric: | No |
| 23.1. | Class of Hybrid (electric) vehicle: | - |
| 24. | Number and arrangement of cylinders: | 6 in line |
| 25. | Engine capacity: | 16123 cm ³ |
| 26. | Fuel: | Diesel |
| 26.1. | Engine type: | Mono fuel |
| 26.2. | Dual fuel type: | - |
| 27. | Maximum power | |
| 27.1. | Maximum net power (internal combustion engine): | 488 kW at 1700 min ⁻¹ |
| 27.3. | Maximum net power (electric motor): | - |
| 27.4. | Maximum 30 minutes power (electric motor): | - |
| 28. | Gearbox (type): | Mechanical, automatic gearshift |
| Maximum speed | | |
| 29. | Maximum speed: | 90 km/h |
| Axles and suspension | | |
| 31. | Position of lift axle(s): | 2 |
| 32. | Position of loadable axle(s): | 3 |
| 33. | Drive axle(s) fitted with air suspension or equivalent: | Yes |
| 35. | Tyre / wheel combination: | 1: 385/65R22.5-164 K / 22.5x11.75 2: 385/55R22.5-160 K / 22.5x11.75 3: 315/70R22.5-150 L / 22.5x9.00 |
| Brakes | | |
| 36. | Trailer brake connections: | Pneumatic |
| 37. | Pressure in feed line for trailer braking system: | 850 kPa |
| Bodywork | | |
| 38. | Code for bodywork: | BC |
| 41. | Number / and configuration of doors: | 2 / 1 left, 1 right |
| 42. | Number of seating positions (including the driver): | 2 |
| Coupling device | | |
| 44. | Approval number or approval mark of coupling device (if fitted): | E1-55R-010294 |
| 45.1 | Characteristics values: | D: 152 kN U: 20000 kg |