

**SAFETY  
ECONOMICALLY  
ENVIRONMENT-FRENDLY**



CsM **URBANUS** midibus is an optimal vehicle of public transport in the cities and suburbs.

Main standpoints were during the design and development:

- Safety of the passengers and driver, as well as the comfortable boarding and getting down,
- environmental load of the vehicle which is conform to the most exacting EU directives as well as economical upkeep and operation.

Very important the fact that every main elements has international service net.



CsM **URBANUS** is a real pearl on the palette of vehicles of the XXI st century. It is a real solution for the economical operation, comfortable vehicle of the passengers.



## Main Technical details



### Busframe: stainless steel

- Total height: 2700 mm (2920 mm with AC)
- Total length: 7500 mm
- Total width: 2450 mm
- Wheel base: 5100 mm
- Gross weight: 9200 kg
- Weight: 4950 kg (5340 kg with AC)

### Suspension, chassis:

- CsM suspension with Rába elements.
- Front: Independent suspension with shock absorbers, disk brakes and airsprings (with worn sensors and ABS rings).
- Rear: axle also have airsprings, shock absorbers and pressed, welded, silenced housing. Built into the frame.

**Retarder:** Produced by Frenelsa.

**Option:** Telma.

**Brakesystem:** Made by Knorr-Bremse with 2 independent circle, with parking and emergency brake function, ABS.

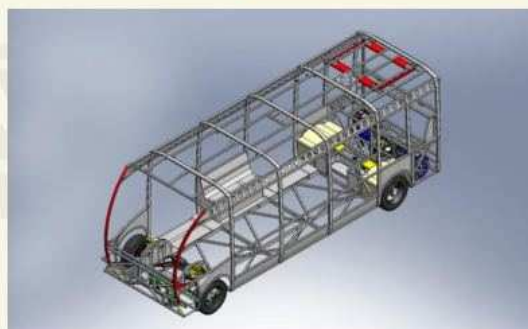
**Option:** ASR, EBS.

**Transmission:** 6 gears, synchronized, mechanical transmission, made by ZF.

**Options:**

- Allison LT2100 automatic transmission
- ZF automatized

**Steering:** Zf servosystem, steering column is adjustable in height and in angle. (During the adjustment of the column the dashboard is moving together with the column).



### Air-condition system:

Made by Thermoking. Other options available.

**Engine:** Cummins ISBE 5 B140 type, 103 kW.

**Options:** MB OM904, MAN BO834

**Fuel tank:** 160 litre.

**Wheels:** Tire size: 215/75-R17,5".

**Electrical system:** 24 V negative grounded, full CAN system.

**Cooling system:** Closed, overpressed with Linnig fan. Connecting points of the heating system is mounted into the tubing of the cooling system.

### Number of passengers:

In case of city and suburb application: 25 sitting and 30 standing.

In case of schoolbus application 35 sitting with seat belts.



**Manufacturer:**



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