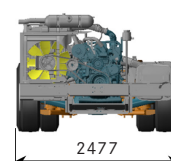
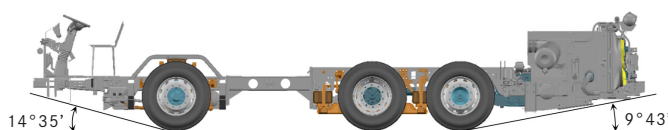
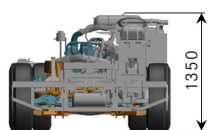


# 0 500 RSD 2436

## 6x2 raised floor coach bus chassis



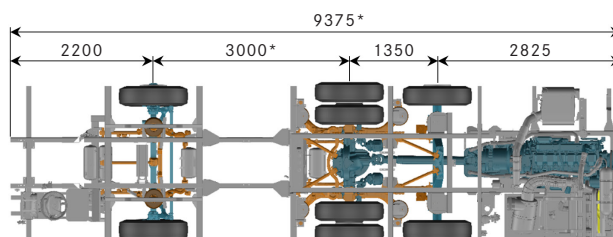
### Basic data



Turning circle for 7.0m wheelbase:

- Wall to wall:  $\varnothing 24.9\text{m}$
- Kerb to kerb:  $\varnothing 20.6\text{m}$

All drawing dimensions in millimetres



\*Ex-factory dimensions, before bodybuilding

### Body

Passengers capacity up to 60

Seats quantity up to 60

### Weight

Maximum load per axle [kg] Front 7.000 / Tractive 11.000 / Trailing 6.000 / Total (GVW)24.000



### Powertrain

#### Engine

Model	MB OM 457 LA (EURO III)
Cylinders and arrangement	6 cylinders, vertical in line, turbocooler
Volume [l]	12
Injection system	Direct, with single plunger injector and electronic management
Maximum power	260 kW (354 hp) @ 2.000 rpm
Maximum torque	1.600 Nm (163 m.kgf) @ 1.100 rpm
Additional drive pulley for AC	Yes

#### Transmission

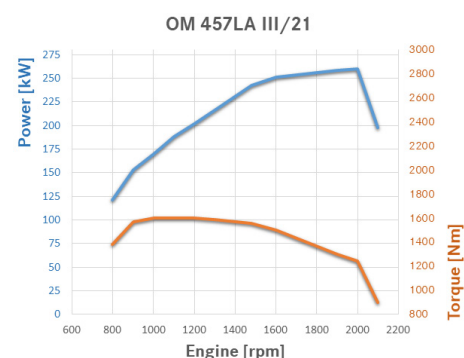
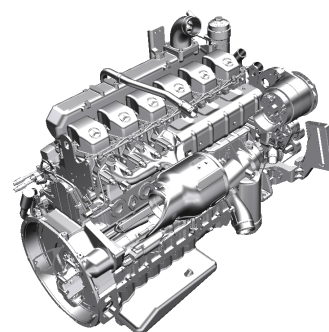
GO 190-6, 6 speed	$i = 8,17 / 4,65 / 2,79 / 1,81 / 1,25 / 1,0$ reverse = 7,683
Operation	Manual, by lever

#### Axles

Front	MB VO4/13 DL - 7.1
Tractive	MB HO4/09 DL-11,5
Ratio	$i = 3,33:1$
Trailing axle	NR 4/59 DL-5

#### Performance

Maximum speed	120 kph (electronically limited)
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Mercedes-Benz

The standard for buses





## Chassis

### Suspension

Front	Pneumatic, 2 air bellows
Rear (tractive)	Pneumatic, 4 air bellows
Trailing axle	Pneumatic, 2 air bellows
Anti-rolling	Optional
Electronically Controlled Air Suspension - ECAS	Optional
Shock absorbers for Double Decker body	Optional
Stabilizer bar	Yes

### Brakes

Service brake	Drum
Brake pad slack adjuster	Yes

### Auxiliary Brakes

Engine-brake (exhaust pipe flap)	Yes
Constant-throttle brake (Top Brake)	Yes
Anti-blocking brake system - ABS	Optional
ASR (Sistema Antipatinção)	Optional
Electronic Stability Control - ESP	Optional
Retarder Voith R 115	Optional

### Electric System

Alternator	1x 28V / 140 A
Maintenance free battery	2 x 12V / 170 Ah
Electric master switch	Yes

### Telemetry

Gateway readiness - Fleet management system (FMS)	Yes, version 01.00
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### Volumes

Fuel tank [ l ]	20 (maneuvering)
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### Wheels and Tires

Tires	295/80 R 22.5
Wheel	Steel, 8.25 x 22.5



## Remarks/Notes

\* consult the bodybuilder about the number of seats and layout. The total number of passengers + body may not surpass the individual axles load capacity. \*\*This is not the complete list of optionals, consult ours sales department.



## Driver's area

### On-board computer

Direct reading	Speed, engine rpm, fuel, brake systems air pressure
Warning lights	Yes, in conjunction with LCD display pop-up messages
Programmable on the LCD screen	Fuel consumption target, instant consumption
Trip data	Distance, average speed, fuel consumption target, consumption and trip elapsed time
Engine iddle shutdown	Yes, programmable

### Steering system

Adjustable steering column	Yes
Steering wheel	2 spoke steering wheel

### Tachograph

Model	Electronic, 1 day recording paper disk
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## Main optionals\*\*

Manual transmisssion MB GO 210-6, 6 speed, i = 6.53 / 3.71 / 2.24 / 1.44 / 1.00 / 0.72 / Reverse = 6.14
Automated transmission MB GO 240-8, 8 speed, i = 6,57 / 4,16 / 2,75 / 1,74 / 1,26 / 1,00 / 0,80 / 0,63 / Reverse = 6,14
Autopilot and speed limiter - stalk at the steering column
EBS - Electronic Brake System
ACC - Adaptative Cruise Control
AEBS - Automatic Emergency Braking System
LDWS - Lane departure warning system
TPMS - Tire temperature and pressure monitoring system - TPMS
Steerable trailing axle ZF ERA (disk brakes mandatory)
Disk brakes
Aluminum wheels 9.0 x 22.5
140 A additional alternator for air conditioning system
2x 12 V / 220 Ah maintenance free battery
Digital tachograph BVDR, thermic printer
4 spoke steering wheel with or without cluster navigation keys
Steering wheel with leather cover

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