



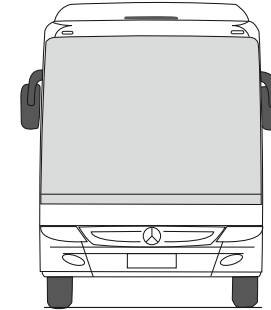
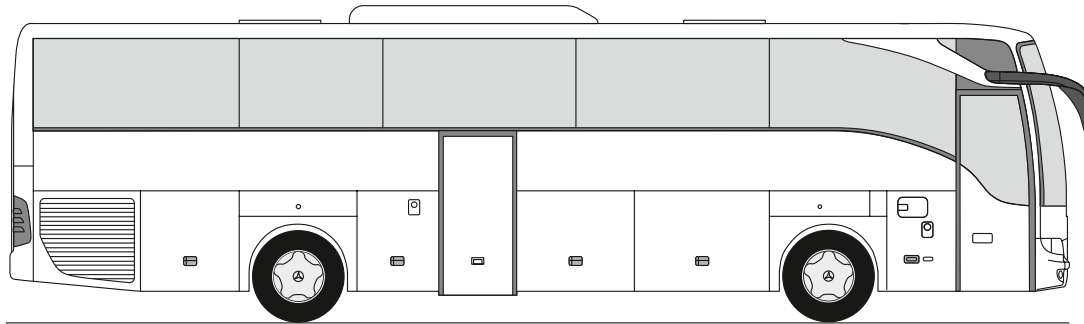
Technical Information **The Tourismo**



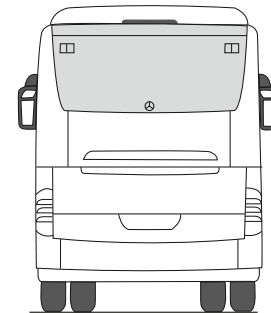
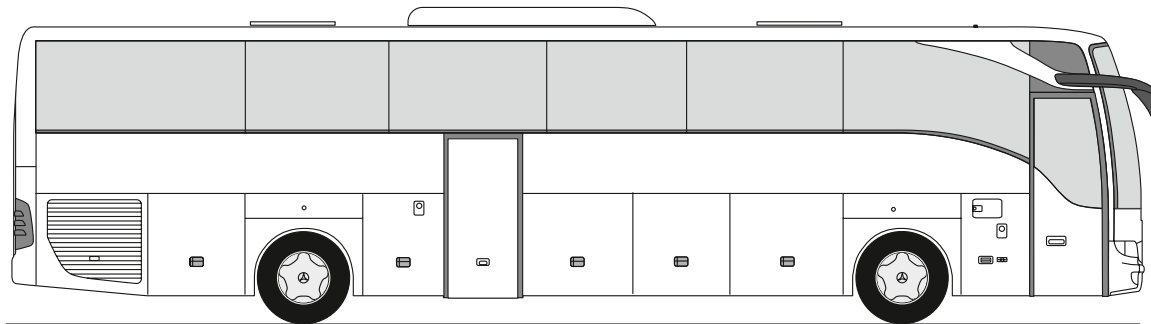
Mercedes-Benz

Models

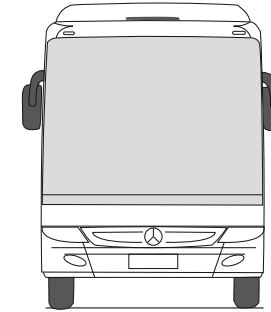
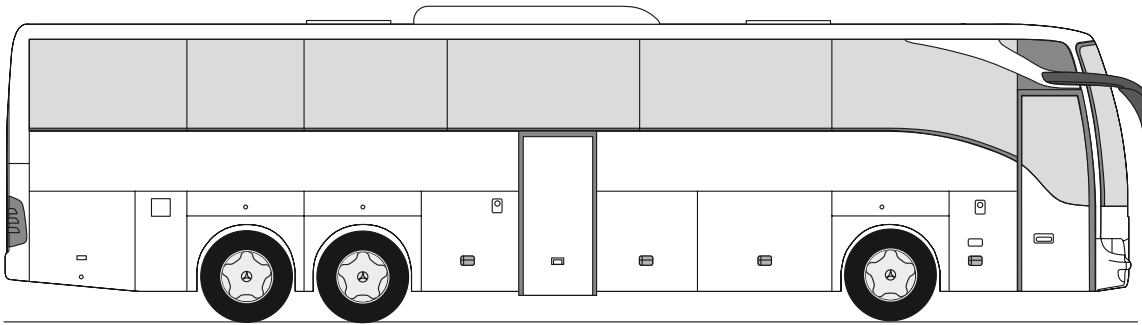
TOURISMO (15 RHD, C.632.036)



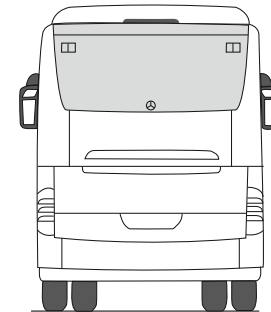
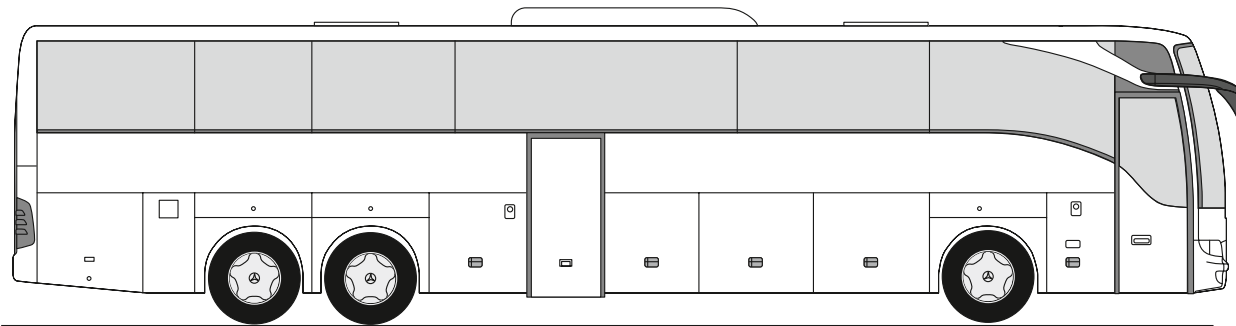
TOURISMO M/2 (16 RHD-2, C.632.038)



TOURISMO M (16 RHD, C.632.035)



TOURISMO L (17 RHD, C.632.037)



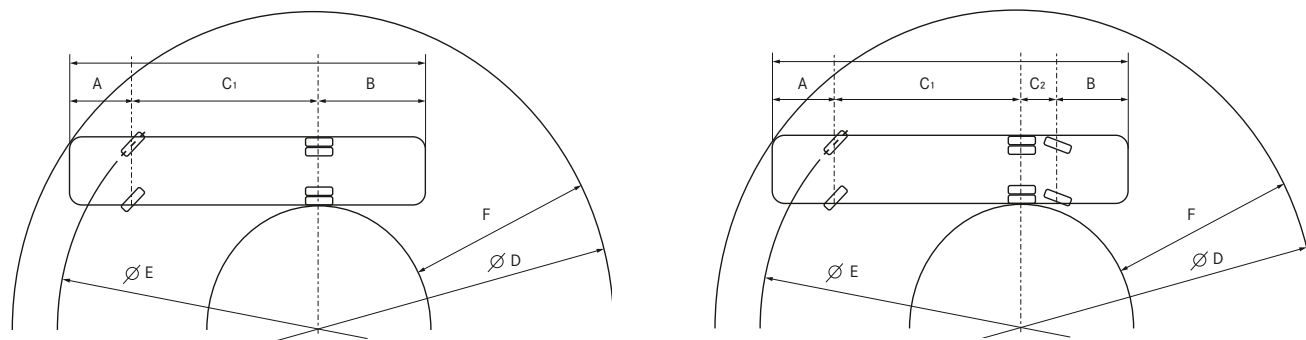
Dimensions/weights

	TOURISMO	TOURISMO M/2	TOURISMO M	TOURISMO L
Vehicle length	12,140 mm	12,960 mm	12,960 mm	13,990 mm
Vehicle width	2,550 mm	2,550 mm	2,550 mm	2,550 mm
Vehicle height (incl. air conditioning system)	approx. 3,620 mm	approx. 3,620 mm	approx. 3,620 mm	approx. 3,620 mm
Wheelbase, front axle-drive axle	6,080 mm	6,900 mm	6,080 mm	7,110 mm
Wheelbase, drive axle-trailing axle	-	-	1,350 mm	1,350 mm
Forward/rear overhang	2,760 mm/3,300 mm	2,760 mm/3,300 mm	2,760 mm/2,770 mm	2,760 mm/2,770 mm
Angle of approach/departure (at sides)	7.65 °/6.9 °	7.65 °/6.9 °	7.65 °/8.3 °	7.65 °/8.3 °
Tyre size	295/80 R 22.5	295/80 R 22.5	295/80 R 22.5	295/80 R 22.5
Passenger handling capacity, seats (standard, without optional extras)	51	55	55	59
Step height front/centre	approx. 350 mm/325 mm	approx. 350 mm/325 mm	approx. 350 mm/325 mm	approx. 350 mm/325 mm
Internal door width front/centre	770 mm/590-650 mm**	770 mm/590-650 mm**	770 mm/590-650 mm**	770 mm/590-650 mm**
Standing height in aisle	2,010 mm	2,010 mm	2,010 mm	2,010 mm
Height of floor, driver's area (above road surface)	860 mm	860 mm	860 mm	860 mm
Height of floor, aisle (above road surface)	approx. 1,330 mm	approx. 1,330 mm	approx. 1,330 mm	approx. 1,330 mm
Platform height (above aisle floor)	150 mm	150 mm	150 mm	150 mm
Waistline height (above platforms)	750 mm	750 mm	750 mm	750 mm
Luggage compartment / capacity	approx. 9.6 m ³	approx. 11.8 m ³	approx. 9.6 m ³	approx. 12.2 m ³
- with toilet	approx. -1.2 m ³	approx. -1.2 m ³	approx. -1.2 m ³	approx. -1.2 m ³
- with driver's sleeping cab	approx. -1.4 m ³	approx. -1.4 m ³	approx. -1.4 m ³	approx. -1.4 m ³
Fuel tank capacity	approx. 490 l	approx. 370 l	approx. 461 l	approx. 461 l
Capacity of AdBlue additive tank	approx. 56 l	approx. 56 l	approx. 50 l	approx. 50 l
Gross vehicle weight*	18,000 kg	18,000 kg	24,000 kg	24,000 kg
Design axle weights*				
- Front axle	7,100 kg	7,100 kg	7,100 kg	7,100 kg
- Drive axle	11,500 kg	11,500 kg	11,500 kg	11,500 kg
- Trailing axle	-	-	5,750 kg	5,750 kg

* depending on country of registration, e.g. Germany

** depending on seating arrangement

Turning circle

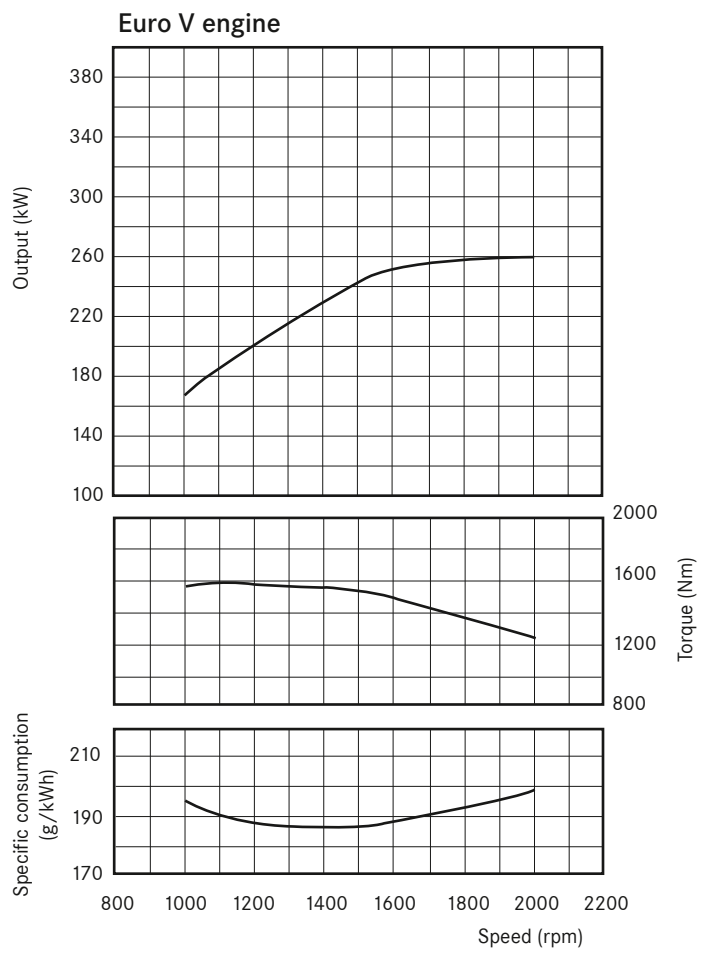


	TOURISMO	TOURISMO M/2	TOURISMO M	TOURISMO L
A: Front overhang	2,760 mm	2,760 mm	2,760 mm	2,760 mm
B: Rear overhang	3,300 mm	3,300 mm	2,770 mm	2,770 mm
C ₁ : Wheelbase	6,080 mm	6,900 mm	6,080 mm	7,110 mm
C ₂ : Wheelbase, rear	-	-	1,350 mm	1,350 mm
D: Minimum turning circle	approx. 20,980 mm	approx. 23,070 mm	approx. 21,190 mm	approx. 23,670 mm
E: Minimum track circle	approx. 16,950 mm	approx. 19,030 mm	approx. 17,160 mm	approx. 19,630 mm
F: Swept annular width – minimum turning circle	approx. 6,930 mm	approx. 7,320 mm	approx. 6,970 mm	approx. 7,440 mm
D: BOKraft turning circle	25,000 mm	25,000 mm	25,000 mm	25,000 mm
F: BOKraft swept annular width	approx. 5,870 mm	approx. 6,720 mm	approx. 5,880 mm	approx. 6,930 mm
F: Maximum permissible swept annular width according to BOKraft	7,200 mm	7,200 mm	7,200 mm	7,200 mm
Maximum front axle turning angle, inside/outside wheel	58°/46°	58°/46°	58°/46°	58°/46°

Drive train/technology



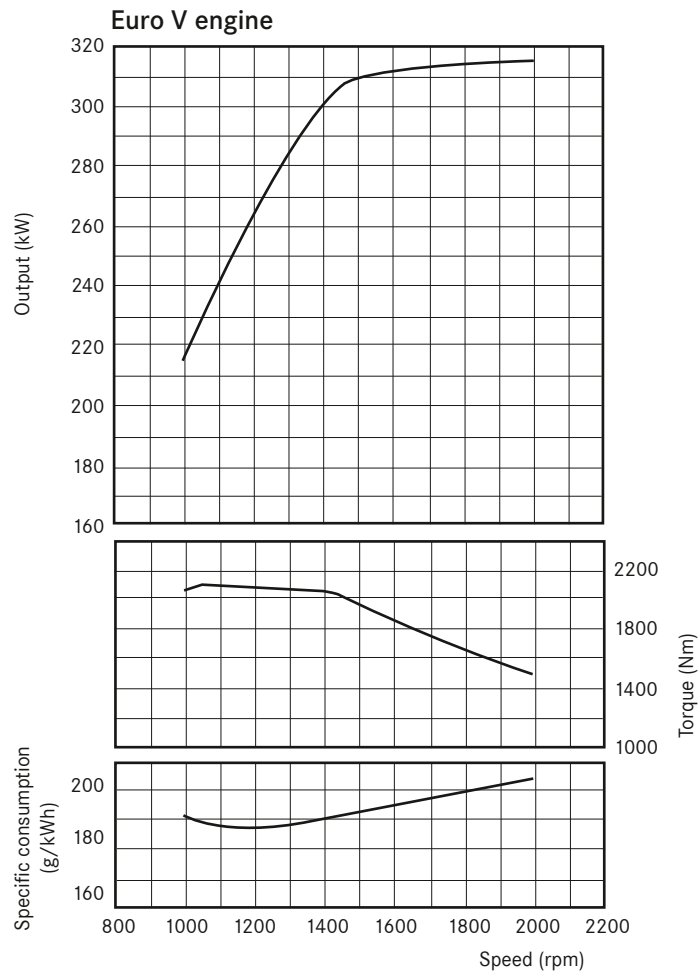
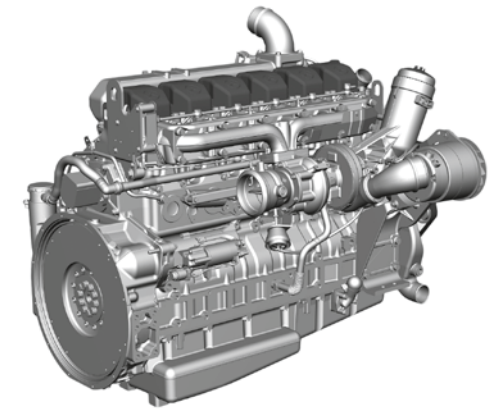
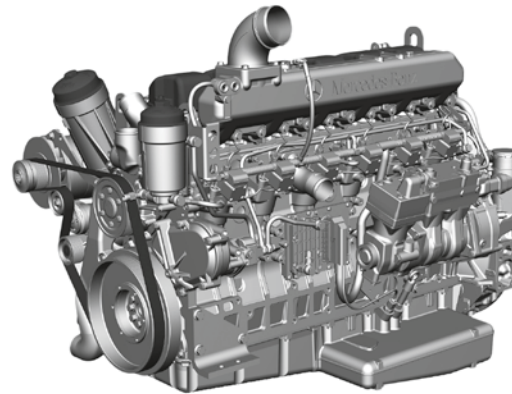
	TOURISMO	TOURISMO M/2
Engine (Euro V/EEV*)	OM 457 hLA	OM 457 hLA
Displacement	11,967 cm ³	11,967 cm ³
Output (standard)	260 kW	260 kW
Cylinders/arrangement	6/in-line	6/in-line
Max. torque	1,600 Nm at 1,100 rpm	1,600 Nm at 1,100 rpm
Transmission	Mercedes-Benz GO 190	Mercedes-Benz GO 190
Axles		
Front axles	ZF, independent wheel suspension	ZF, independent wheel suspension
Drive axle	Mercedes-Benz H06	Mercedes-Benz H06
Trailing axle	-	-
Steering	ZF 8098 Servocom	ZF 8098 Servocom
Brakes	Electronic braking system (EBS) with disc brakes Hydrodynamic retarder (Voith R 115 E) Anti-lock Braking System (ABS) Anti-Slip Regulation (ASR) Brake Assist (BA) Electronic Stability Program (ESP®) Continuous Braking Limiter (DBL)	



P_{max} 260 kW at 2000 rpm (80/1269/EEC)
 T_{max} 1600 Nm at 1100 rpm, $T_{trans} = 29\%$ Steady-state full-load curves

* Our buses achieve the EEV emission standard (optional), depending on model and power unit, with or without a diesel particulate filter.

Drive train/technology



P_{\max} 315 kW at 2000 rpm (80/1269/EEC)

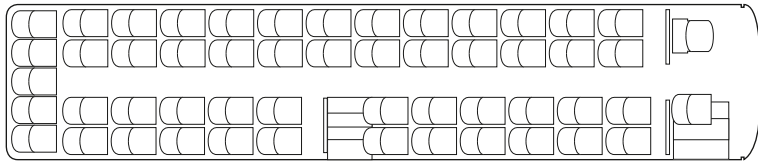
T_{\max}^{\max} 2100 Nm at 1100 rpm, $T_{\text{trans}} = 40\%$

Steady-state full-load curves

	TOURISMO M	TOURISMO L
Engine (Euro V/EEV)	OM 457 LA	OM 457 LA
Displacement	11,967 cm ³	11,967 cm ³
Output (standard)	315 kW	315 kW
Cylinders/arrangement	6/in-line	6/in-line
Max. torque	2,100 Nm at 1.100 rpm	2,100 Nm at 1.100 rpm
Transmission	Mercedes-Benz GO 210	Mercedes-Benz GO 210
Axles		
Front axle	ZF, independent wheel suspension	ZF, independent wheel suspension
Drive axle	Mercedes-Benz H06	Mercedes-Benz H06
Trailing axle	ZF, independent wheel suspension, Actively steered trailing axle (RAS)	ZF, independent wheel suspension, Actively steered trailing axle (RAS)
Steering	ZF 8098 Servocom	ZF 8098 Servocom
Brakes		
	Electronic braking system (EBS) with disc brakes Hydrodynamic retarder (Voith R 115 E)	
	Anti-lock Braking System (ABS)	
	Anti-Slip Regulation (ASR)	
	Brake Assist (BA)	
	Electronic Stability Program (ESP [®])	
	Continuous Braking Limiter (DBL)	

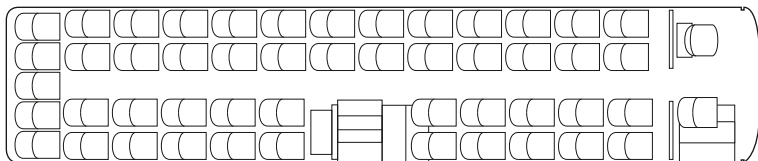
Tourismo seating variants

Standard



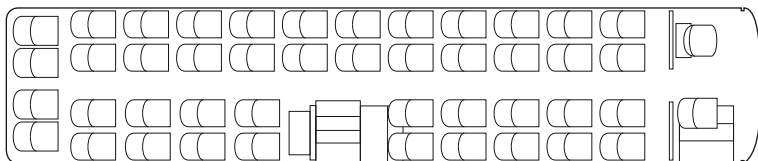
Number of seats	51
Space between seats	3 stars
Galley	no
Toilet	no

Optional extra (example)



Number of seats	49
Space between seats	3 stars
Galley	yes
Toilet	yes

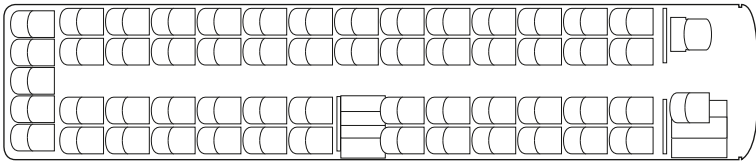
Optional extra (example)



Number of seats	44
Space between seats	4 stars
Galley	yes
Toilet	yes

Tourismo M/2 seating variants

Standard



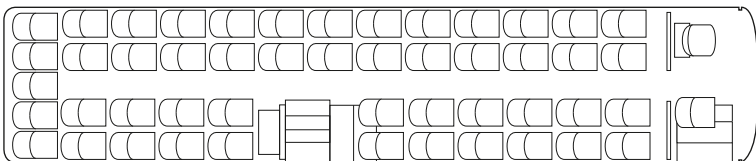
Number of seats 55

Space between seats 3 stars

Galley no

Toilet no

Optional extra (example)



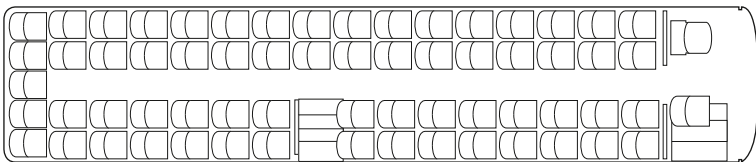
Number of seats 49

Space between seats 4 stars

Galley yes

Toilet yes

Optional extra (example)



Number of seats 63

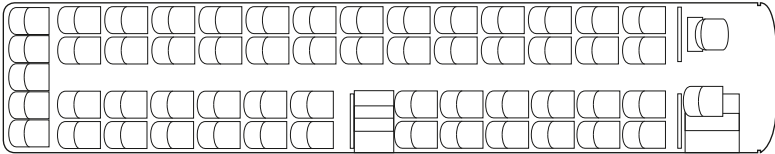
Space between seats -

Galley no

Toilet no

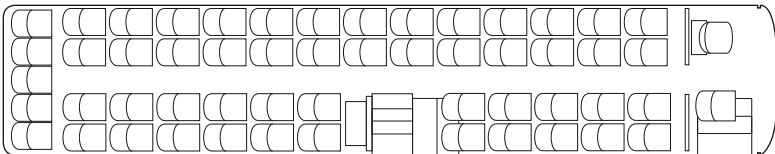
Tourismo M seating variants

Standard



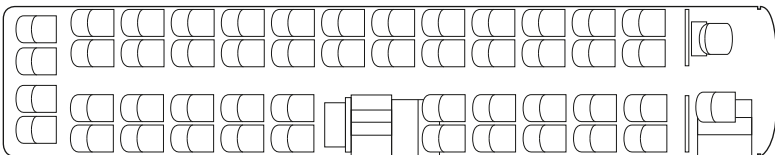
Number of seats	55
Space between seats	3 stars
Galley	no
Toilet	no

Optional extra (example)



Number of seats	53
Space between seats	3 stars
Galley	yes
Toilet	yes

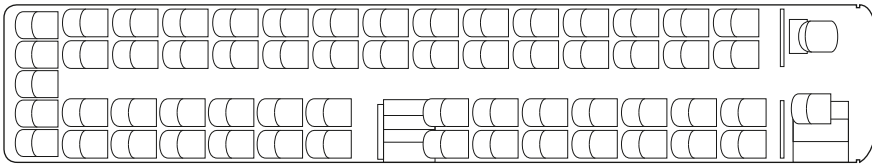
Optional extra (example)



Number of seats	48
Space between seats	4 stars
Galley	yes
Toilet	yes

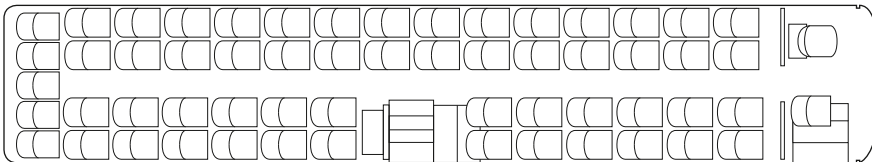
Tourismo L seating variants

Standard



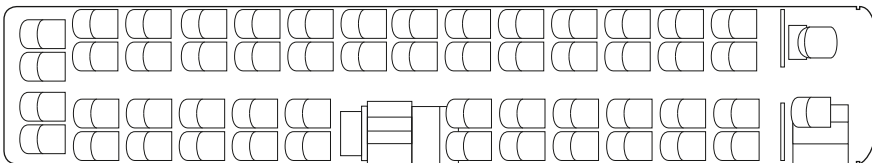
Number of seats	59
Space between seats	3 stars
Galley	no
Toilet	no

Optional extra (example)



Number of seats	57
Space between seats	3 stars
Galley	yes
Toilet	yes

Optional extra (example)



Number of seats	52
Space between seats	4 stars
Galley	yes
Toilet	yes

Standard equipment and optional extras (selection)

	TOURISMO	TOURISMO M/2	TOURISMO M	TOURISMO L
Motor und Fahrwerk				
Engine Mercedes-Benz OM 457 hLA 260 kW (Euro V)	●	●	-	-
Engine Mercedes-Benz OM 457 hLA 300 kW (Euro V)	○	○	-	-
Engine Mercedes-Benz OM 457 LA 315 kW (Euro V)	-	-	●	●
Transmission 6-speed Mercedes-Benz GO 190, power-assisted	●	●	-	-
Transmission 6-speed Mercedes-Benz GO 210, power-assisted	-	-	●	●
Transmission Mercedes-Benz GO 240-8, 8-speed, PowerShift (MPS)	○	○	○	○
Transmission ZF AS Tronic, 12-speed, automated manual transmission incl. bus stop brake	○	○	○	○
Transmission ZF Ecolife, 6-speed	○	○	-	-
Retarder hydrodynamic, type VOITH R 115 E	●	●	●	●
Electronic braking system (EBS)	●	●	●	●
Electronic Stability Programme (ESP®)	●	●	●	●
Brake Assist (BA)	●	●	●	●
Continuous Braking Limiter (DBL)	●	●	●	●
Anti-lock Braking System (ABS)	●	●	●	●
Anti-Slip Regulation (ASR)	●	●	●	●
Bus stop brake without/with starting-off lock	○	○	○	○
Combined body lowering and lifting mechanism	○	○	○	○
Hub caps of stainless steel	○	-	○	○
Alloy rims with hub centring	○	●	○	○
Air conditioning				
Roof-mounted air conditioner, 32 kW cooling capacity, climate control, separate driver area climate control	●	●	●	-
Roof-mounted air conditioner, 35 kW cooling capacity, climate control, separate driver area climate control	○	○	○	●
Roof-mounted air conditioner, 39 kW cooling capacity, climate control, separate driver area climate control	○	○	○	○
Convection heaters mounted on side panels	●	●	●	●
Roof hatches with safety glass	●	●	●	●
Roof hatches electrically operated on two sides	○	○	○	○

● Standard equipment/equipment at no extra charge ○ Optional extra

	TOURISMO	TOURISMO M/2	TOURISMO M	TOURISMO L
Driver's area				
Driver's seat GRAMMER Tourea MSG 90.6 PG	●	●	●	●
Driver's seat ISRI 6860/875	○	○	○	○
Seat heater for driver's seat	○	○	○	○
Steering column with height and tilt adjustment, steering wheel lock	●	●	●	●
Cruise control	●	●	●	●
Exterior mirrors heated, main mirror electrically adjustable, manual folding	○	○	○	○
Fuel consumption display	○	○	○	○
Microphone integrated in back of driver's seat	●	●	●	●
Central locking system for luggage compartment doors, doors and filler caps via radio remote control	○	○	○	○
Satellite navigation system BOSCH	○	○	○	○
Navigation display via video monitors, control via passenger compartment	○	○	○	○
Heated windscreen	○	○	○	○
Roll-up sun screen on driver's window/roll-up sun screen on windscreen right and left, power operated	○	○	○	○
Fire detection system with detection line for engine compartment monitoring	●	●	●	●
Fire detection system luggage compartment monitoring	○	○	○	○
Tour guide's seat				
Tour guide's seat, single (on aisle side) with armrest, 3-point seat belt, foldup seat cushion	●	●	●	●
Tour guide's seat, single (centre) with armrest, 3-point seat belt, foldup seat cushion	●	●	●	●
Tour guide's seat, 2 seats with armrests, 3-point seat belt, foldup seat cushion	○	-	○	○
Reading light on A-pillar for tour guide's seat	○	○	○	○
Microphone for tour guide's seat with helix cable	○	○	○	○
Tour guide's cabinet behind front entry, wall-side	○	○	○	○
Interior				
Travel Star Xtra passenger seats, integrated handles, adjustable seat back, side adjustment, luggage net, folding armrest on aisle side, hook, seat numbering	●	●	●	●
Luxline upholstery for passenger seats in Dralon velour or leather	○	○	○	○

● Standard equipment/equipment at no extra charge ○ Optional extra

	TOURISMO	TOURISMO M/2	TOURISMO M	TOURISMO L
Interior				
Softline upholstery for passenger seats in Dralon velour	○	○	○	○
Wall side armrests	○	○	○	○
Centre armrests (folding armrest) between seats	○	○	○	○
Folding tables screwed onto backrest	○	○	○	○
2-point seat belt on all passenger seats	●	●	●	●
Footrests on the seat frames	○	○	○	○
WC/CC toilet forward of centre entry	○	○	○	○
Galley behind centre entry	○	○	○	○
Refrigerator in the instrument panel, front right	●	●	●	●
Floor mats in passenger compartment and at entries	○	○	○	○
Other				
Luggage compartment doors with lift kinematics	○	○	○	○
Luggage compartment doors with swing-out kinematics	●	●	●	●
Multi-purpose area with roller shutter behind centre entry and partition	○	○	○	○
Driver's rest area behind centre entry, intercom, heating	○	○	○	○
Trailer coupling (various designs)	○	○	○	○
Ski box type G/I, mounting brackets at rear with socket	○	-	○	○
Information systems				
Audio and video system, Classic Line, incl. CD player	●	●	●	●
Audio and video system, Professional Line 3, incl. DVD and CD player	○	○	○	○
Multi-function antenna for radio, navigation and mobile phone	○	○	○	○
Hands-free set and provision for mobile phone cradle	○	○	○	○
Loudspeakers in the passenger compartment	●	●	●	●
CD changer/DVD changer	○	○	○	○
TV tuner/DVB-T tuner	○	○	○	○
15" LCD video monitor at front, fixed installation	○	○	○	○
15" LCD video monitor in the middle, fixed installation	○	○	○	○

● Standard equipment/equipment at no extra charge ○ Optional extra

Technical modifications may have occurred after the copy deadline. This data sheet only shows an extract of possible equipment. Some of the equipment is country-specific. We reserve the right to make technical modifications. Therefore, please contact your Mercedes-Benz bus sales representative for the latest binding version.

Glossary

Anti-lock Braking System (ABS)

The braking forces acting on the individual wheels are distributed by the ABS so that even in an emergency braking situation no wheel is blocked for any length of time and the steerability of the coach is largely maintained.

Anti-Slip Regulation (ASR)

The ASR prevents wheelspin when driving away on a slippery surface. It provides no more power than the drive wheels are able to transfer to the road surface. Wheelspin by one wheel – e.g. on an icy roadside – is prevented by metered braking.

Brake Assist (BA)

The BA electronics are able to detect emergency braking situations and automatically build up maximum braking power within fractions of a second. This shortens the stopping distance of the coach by a measurable amount.

Continuous Braking Limiter (DBL)

The DBL ensures the vehicle maintains a steady speed. For buses and coaches a top speed of 65 mph (100 km/h) is specified by law. On prolonged downhill runs the legal top speed may be unintentionally exceeded if the driver fails to use the brakes. In these cases, the DBL stabilises the speed by using the retarder and thus assists in the prevention of speeding.

Electronic Stability Programme (ESP®)

In situations where the driving dynamics are critical, the electronic stability programme selectively controls the braking forces on each wheel individually. At the same time the engine power is throttled back. Within the boundaries of physics, finely regulating the braking of the vehicle in this way prevents any possible breakaway. ESP® thus contributes noticeably to a reduction in the risk of skidding during cornering or evasive manoeuvres. If the coach enters a critical dynamic condition in wide curves or when rapidly changing lanes, the speed of the vehicle continues to be automatically reduced until directional stability is restored.

Cataphoretic Immersion Priming (KTL)

Cataphoretic immersion priming (KTL) is an electro-chemical process for coating the complete body shell in an immersion bath. It is ideal for painting complicated structures and large numbers of units. This water-based paint protects the vehicle so perfectly against corrosion because the paint coat is applied everywhere to the body with uniform thickness. Cataphoretic immersion priming is demonstrably the best protection against corrosion in vehicle construction at present.

For further information, contact your Mercedes-Benz Buses and Coaches representative.

Or visit us online at: www.mercedes-benz.de/omnibus

The illustrations also depict extras and accessories that are not part of the standard scope of supply.

The information in this Technical Information applies to Germany. (Version: July 2010). We reserve the right to make production changes.