



TECHNICAL SPECIFICATION

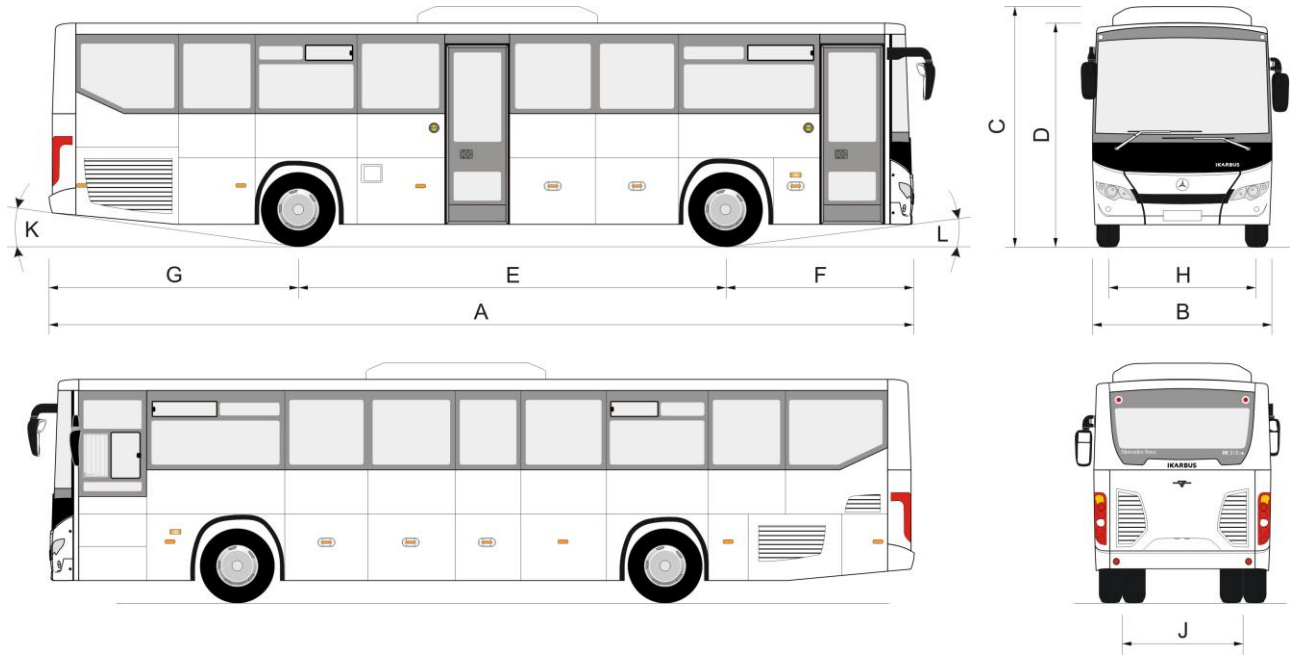
IK 3 | 2 MB

MB OM 936 (E6)

MB GO 190 (manual)

2018.

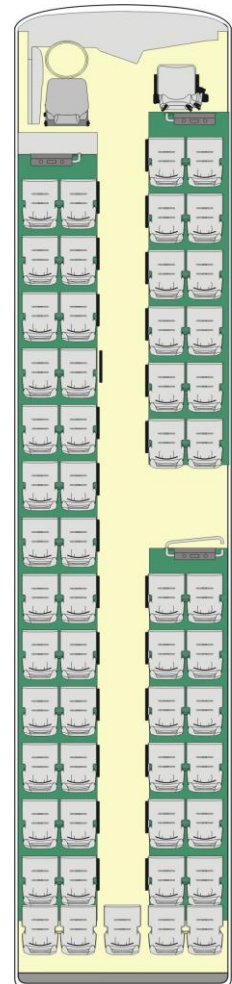
Technical specification – IK 312MB (E6)



A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	J [mm]	K [°]	L [°]
12300	2535	3380	3140	6100	2655	3545	2088	1803	7	7

Shown seats arrangement is example.

Other arrangements are possible.



Doors: 2 (1-1-0)
Seats: 55 (max) +1+1



DIMENSIONS

- (A) Length 12300 mm
- (B) Width 2535 mm
- (C) Height (including A/C) 3380 mm
- (D) Height 3140 mm
- (E/M) Wheelbase 6100 mm
- (F/G) Front/Rear overhang 2655/3545 mm
- (H/I) Front/Rear track 2088/1803 mm
- Interior height 2050 mm
- Floor height 1025 mm
- First step height 320 mm
- Approach/Departure angle 7°/7°

AXLE LOADS

- Front axle load (Max. technically permissible) 7100 kg
- Rear axle load (Max. technically permissible) 11500 kg
- Gross vehicle weight (GVW) 18600 kg

CHASSIS

- Manufacturer Mercedes-Benz
- Type OC 500 RF 1930/1936
Raised floor

ENGINE

- Manufacturer Daimler AG (Mercedes-Benz)
- Type OM 936
- Emission standard EURO 6
- Installation position vertical, rear
- Number of cylinders 6 (arranged in-line)
- Displacement (Swept volume) 7700 cm³
- Cylinder bore x Piston stroke 110 x 135 mm
- Compression ratio 17,0 : 1
- Rated power 220 kW (299 hp) / 2200 min⁻¹
- Maximum torque 1200 Nm / 1200-1600 min⁻¹
- Combustion principle 4-stroke diesel direct injection
- Injection system Common Rail
- Turbocharging system Exhaust gas turbocharging (single-stage) with charge air cooling (air/air)
- SCR system with AdBlue injection

GEARBOX

- Manufacturer Mercedes-Benz
- Type GO 190
- Transmission manual
with integrated retarder (VOITH)
- Number of gears 6 + 1(R)

REAR (DRIVE) AXLE

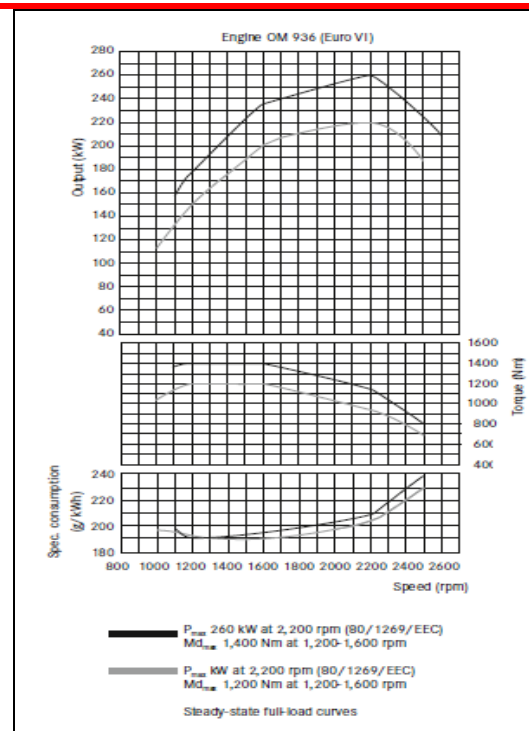
- Manufacturer Mercedes-Benz
- Type RO 440
- Ratio 3,154

FRONT AXLE

- Manufacturer ZF
- Type RL-75E
independent suspension

STEERING GEAR

- Hydraulic power-assisted steering
- ZF 8098 Servocom
- Adjustable steering column with pneumatic lock





SUSPENSION

- ECAS
- ENR (Electronic Level Control), independent of door status
- Automatic controlled body lifting
- Front axle
 - roller bellows (x2)
 - shock absorbers (x2)
 - anti-roll bar
- Rear axle
 - roller bellows (x4)
 - shock absorbers (x4)
 - anti-roll bar

BRAKING SYSTEM

- Disk brakes
- Dual-circuit braking system, pneumatic
- AEBS (Advanced Emergency Braking System)
- EBS (Electronic Braking System) with integrated:
 - ABS (Anti-lock Braking System)
- ESP (Electronic Stability Program), including:
 - ASR (Acceleration Slip Regulation)
- BAS (Brake Assist System)
- Auxiliary brake.....DBI (Retarder System Integration)
 - hand and foot operated retarder
- Bus stop brake
- Spring parking brake
- Air dryersingle chamber
with replaceable element and pressure regulator
- Oil separator
- Compressor 2-cylinder

ADVANCED AND SAFETY EQUIPMENT

- Fire suppression system for engine compartment:
 - automatic fire detection system
 - automatic fire extinguishing system within the engine compartment
- LDW (Lane Departure Warning System)
- Cruise control (Tempomat)
- Fuel consumption display

FUEL TANK

- Capacity450 litres
- Made of stainless materials
- Filler cap at right-hand side

WHEELS – TYRES

- Rims8,25 x 22,5"
- Tyres 295/80 R22,5"
- Hubcaps stainless steel
- Spare wheel

ELECTRICAL EQUIPMENT



- Dashboard..... in accordance with VDV Standard
- Battery 2 x 200 Ah / 12 V
- Generator (Alternator) 3 x 150 A
- Starter 5,5 kW
- Tachograph..... digital (DTCO)
- Safety switch.....in accordance with ECE R36
- Water cooling with level sensor, buzzer and optic signal
- Engine protection with buzzer and optic signal for too low oil pressure and too high temperature
- Headlightshalogen
- Front fog lights.....halogen
- Rear fog lights.....halogen
- Reversing lights.....halogen
- Stop lights.....halogen
- End-outline lamps (front and rear)halogen
- Interior lighting LED

PASSENGERS INFORMATION SYSTEM

- LCD monitor 19" (x 2)
- Audio-system + microphone

Option:

- Route and destination displays:
 - Frontroute number + destination
 - Right side.....route number + destination
 - Rear route number
- Route and destination displays – color:
 - Frontroute number + destination
 - Right side.....route number + destination
 - Rear route number
- Route and destination displays (interior)



HEATING – VENTILATION – AIR CONDITION

HEATING:

- Passenger compartment
 - convector heaters
 - roof heating (via A/C)
- Driver's compartment
 - frontbox:
 - heater mounted under driver's control desk (front pult) which also serves for demisting/defrosting the windscreen
- Autonomous heater, pre-start heating of engine

VENTILATION:

- Natural
 - roof hatches
 - slide-windows
- Forced
 - roof air conditioner
 - frontbox

AIR CONDITION:

- Passenger compartment
 - roof air conditioner
- Driver's compartment
 - frontbox

INTERIOR

- Passenger seats luxurious type
- Driver's seat with air suspension and automatic weight adjustment
- Roller blind for
 - windscreen
 - driver's window
- Luggage racks above seats, open
- Luggage compartment 5 m³
- Mirrors
 - exterior, heated
 - interior

Option:

- Central lubrication system
- Automatic oil level control (replenishment) system
- CCTV

BODY STRUCTURE

- Combined steel frame tubular structure (frame / chassis)
- All cavities are protected from inside and outside
- Side panels in wheel arches area and lower side cavity made of stainless steel
- Wheel arches stainless steel
- Side panels aluminium
- Roof and sidewalls with thermal insulation

DOORS



- Door arrangement 1-1-0
 - 2 x single-panel plug door (outward)
- Power operated by driver (pneumatically, with electronic control)
- Emergency door control valve inside/outside

GLAZING

- Windscreen laminated, 1-piece
- Side windows glazed, tempered, bonded
- Door glasses bonded

