



TECHNICAL SPECIFICATIONS FOR COACH

**MCV 600
SUPER HIGH DECK**

- **Model:** MCV 600.
- **Category:** Super high deck coach.
- **Chassis:** Mercedes Benz MB O500 RS/1836/30
- **Capacity:** 49 passengers + driver + courier.
- **Weights:**
 - Gross vehicle weight: 18500 kg.
 - Permitted front axle load: 7000 kg.
 - Permitted rear axle load: 11500 kg.
- **Dimensions:**
 - Overall length: 12100 mm.
 - Overall width: 2550 mm.
 - Overall height: 3600 mm Without AC.
 - Wheelbase: 5950 mm.
 - Internal height: 2010 mm.
- **Engine:**
 - Type & model Mercedes Benz OM 457 LA.II/33
6 Cylinder in line diesel water-cooled - direct injection.
Electronic fuel injection.
Turbocharger – intercooler.
 - Smoke emission standard: According to **Euro III**.
 - Displacement: 11967 cm³.
 - Max Output: 265 KW (360 HP) at 1750 rpm.
 - Max torque: 1650 Nm at 1050 rpm.
- **Clutch:** MFZ 430 - Single dry disc.
- **Gearbox:** MB GO 210 - 6 manual - 6 speeds gear box.
Retarder: Voith R 115 E.
- **Steering:** ZF 8097 – power steering.
- **Brakes:**
 - Service Dual circuit, full air system, disc brake at front & rear, ABS.
 - Exhaust brake: Electro pneumatic actuated.
 - Parking: Spring loaded rear brake with air release act upon rear wheels.
- **Axles:**
 - Front: Mercedes Benz – MB VO 4/13 DL – 7.
 - Rear: Mercedes Benz – MB HO 4/9 DL – 11.5.
Rear axle ratio i = 3.666
- **Suspension:**
 - Front: Air suspension 2 air bellows, 3 longitudinal bars, 1 cross bar,
1 leveling valve - Stabilizer.
Telescopic double acting shock absorbers.
 - Rear: Air suspension 4 air bellows, 2 tensive longitudinal bars, 2 triangular
bars and 2 leveling valves. Stabilizer.
Telescopic double acting shock absorbers.
- **Fuel tank:** 500 liter – water separator.
- **Tires & rims:** 295/80 R 22.5 (6+1) tires
8.25 x 22.5 (6+1) rims.
- **Electrical system:**
 - Batteries: 2x12V – 135 AH.
 - Alternator: 28 V – 140 A.
 - Starter output: 9.1 HP.

- **Body:**
 - Chassis: O 500 RS/1636/30
 - Type of construction: Welded closed profiles structure.
 - Isolation: effective insulation against heat and sound
 - Luggage capacity: 13.2 m³ without sleeping compartment
11.5 m³ with sleeping compartment.
 - Passengers' doors: 2 Front & middle doors – plug type – electro pneumatic actuated.
 - Windscreen: One piece.
 - Side windows: fixed glass.
 - Roof hatches: 2 pieces.
 - Rear view mirrors: 2 (left & right) – electrically operated.
 - Seating: 49 + driver + courier
51 + Driver + courier (without toilet).
High back Vogel luxury seats with safety belts & side motion.
Hand rest, ashtray, foot rest.
 - Internal flooring: High wearing resistance, anti skid and easy clean vinyl.
 - Air condition: Konvekta KL 70 TB (28000 Kcal/hr)
Freon 134 Ozone free.
Roof top type, direct drive.
 - Demister: Aurora.
- **Accessories:**
 - Ellamp roof system with air duct/ personal unit.
 - Parcel rack with flaps.
 - Air suspended driver seat pilot.
 - Powered driver's window.
 - Fridge integrated in dash board.
 - Toilet.
 - Side curtains
 - Heating system with side convectors.
 - Rear view camera.
 - DVD player with 15" LCD Blaupunkt monitors.
- **Options:**
 - ESP and EAS.
 - Double glazing.
 - Driver's sleeping compartment.
 - Kitchenette TM with fridge.
 - Special paint works with color scheme.