

# MAN Lion's Coach

Vehicle Description



# CONTENTS

- Vehicle type ..... 3
- Engine ..... 3
- Gearbox..... 3
- Front axle..... 3
- Rear axle ..... 3
- Brake system ..... 4
- Fuel tank..... 4
- Electrical system..... 4
- Heating/ventilation/air conditioning..... 5
- Doors ..... 5
- Safety equipment..... 5
- Comfort features ..... 6
- Dimensions and weights ..... 6
- Drawing ..... 7
- Notes ..... 8
- Notes ..... 9

## VEHICLE TYPE

---

Test vehicle \_\_\_\_\_ MAN Lion's Coach  
Design \_\_\_\_\_ 2-axle coach bus  
Homologation \_\_\_\_\_ Class 3  
Legally permissible gross weight \_\_\_\_\_ 18,600 kg

## ENGINE

---

Engine type \_\_\_\_\_ MAN D26276 LOH  
Arrangement \_\_\_\_\_ Centrally on rear axle  
Maximum power \_\_\_\_\_ 480 hp @ 1,800 U/min  
Maximum torque \_\_\_\_\_ 2,450 Nm @ 930-1,350 U/min

## GEARBOX

---

Gearbox type \_\_\_\_\_ MAN TipMatic 12 OD gearbox, automated,  
with retarder

## FRONT AXLE

---

Axle type \_\_\_\_\_ MAN VOS-08-B01 with independent wheel  
suspension  
Suspension \_\_\_\_\_ VASC air suspension with lift limitation  
Axle guide \_\_\_\_\_ Independent wheel suspension with  
stabiliser and PCV shock absorbers  
Tyres \_\_\_\_\_ 295/80 R22.5  
Steering \_\_\_\_\_ Electro-hydraulic steering MAN  
ComfortSteering; electronically controlled  
Permissible axle load \_\_\_\_\_ 7,100 kg

## REAR AXLE

---

Axle type \_\_\_\_\_ MAN Hypoid drive axle 1350-B01  
Suspension \_\_\_\_\_ VASC air suspension and PCV shock  
absorbers  
Tyres \_\_\_\_\_ 295/80 R22.5  
Permissible axle load (technical) \_\_\_\_\_ 11,500 kg  
Axle ratio \_\_\_\_\_  $i = 2.73$

## BRAKE SYSTEM

---

Front axle _____	Disc brakes
Rear axle _____	Disc brakes
Brake system _____	Electronic brake system (EBS) with - ABS, anti-lock braking system - ASR, anti-slip regulator - Brake lining wear display

## FUEL TANK

---

Diesel tank _____	400-litre fuel tank with standard lock Diesel and Biodiesel possible
AdBlue tank _____	60l AdBlue® tank

## ELECTRICAL SYSTEM

---

Batteries _____	24 V vehicle electrical system with 2 batteries 12V 230Ah, 3 LIN alternators 28V; batteries stop switch in accordance with ECER 36 24 V / 230 V voltage converter 2700 W
-----------------	--

## HEATING/VENTILATION/AIR CONDITIONING

---

Heating/air-conditioning system _____	Convectors, air-conditioning system with heater function, additional front box
Type _____	Valeo (Spheros) TOP2000
Max. cooling power _____	33 kW
Max. heating power _____	36 kW
Refrigerant _____	R134a
Auxiliary heating _____	Coolant pre-heater Valeo (Spheros) Thermo 350
Roof hatches _____	2 emergency exit hatches, electrically actuated

## DOORS

---

Door 1&2 _____	Outward-swinging doors with pneumatic drive
Door1 / door 2 clearing width _____	850 mm / 880 mm
Entry height _____	349 mm

## SAFETY EQUIPMENT

---

Assistance systems _____	Electronic stability program (ESP) Lane departure warning system LDW with haptic warning Emergency braking assistant EBA Plus Collision warning (front end detection) Traffic sign recognition TSI Turning support with visual and acoustic warning Rear view camera Tyre pressure monitoring for all axles Attention warning MAN AttentionGuard Lane change support LCS Lane Return Assist LRA Adaptive Cruise Control (ACC) with Stop & Go function EfficientCruise and Efficient Roll Rain/light sensor
--------------------------	---

Other equipment \_\_\_\_\_

The new 12 inch full digital cluster  
MAN cockpit with MAN SmartSelect incl.  
touchpad  
Bluetooth hands-free system "Comfort" for 2  
mobile phones incl. audio streaming  
MAN OptiView, heated with CornoreEye  
right side

## COMFORT FEATURES

---

Interior \_\_\_\_\_

Indirect ambience light in side wall  
Infotainmentsystem MMC Advanced  
7" TFT monitor and 4 Digital-HD cameras  
USB-power plugs at passenger seats (USB-  
A & USB-

Other equipment \_\_\_\_\_

TM Quick Service MultiPlus;  
MAN individual interior finish  
60 litre cooling compartment

## DIMENSIONS AND WEIGHTS

---

Length \_\_\_\_\_

12,101mm

Width \_\_\_\_\_

2,550 mm

Height \_\_\_\_\_

3,870 mm

Wheelbase \_\_\_\_\_

6.600 mm

Overhang at front/rear \_\_\_\_\_

2,736 mm / 3,305 mm

Slope angle at front/rear \_\_\_\_\_

8°/8°

Turning circle radius \_\_\_\_\_

20.880 mm

Max. steering angle \_\_\_\_\_

56°

Interior headroom \_\_\_\_\_

2,000 mm

Capacity \_\_\_\_\_

44 seats

Seating \_\_\_\_\_

ComfortLine Select seating with two-point  
safety belts

Tour guide's seat \_\_\_\_\_

Seat cover in leather/luxury upholstery

Luggage compartment \_\_\_\_\_

approx. 9.7 m<sup>3</sup> wo toilet / 8.6 m<sup>3</sup> with toilet

Luggage rack capacity \_\_\_\_\_

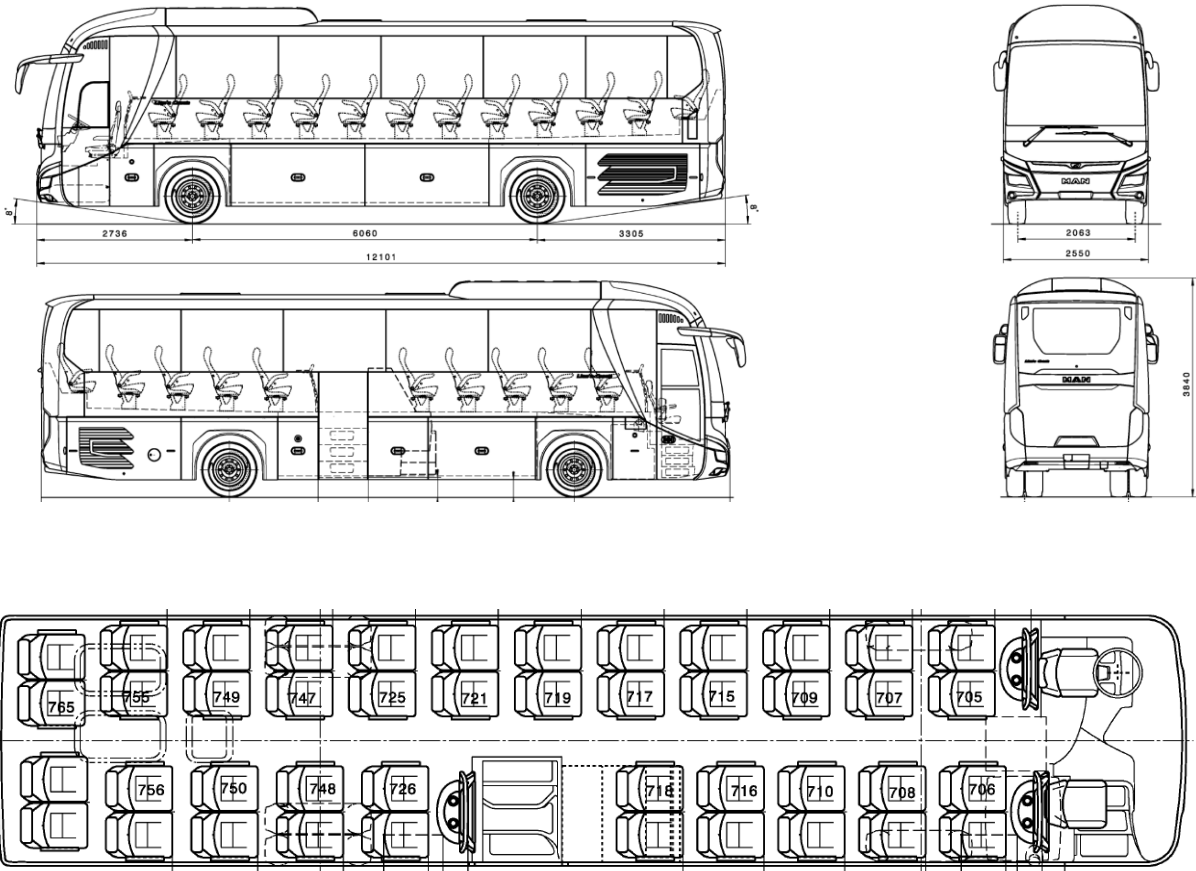
approx. 2 m<sup>3</sup>

Driver's workplace \_\_\_\_\_

Isri ProActive 2 with three-point safety belts,  
leather/luxury; with seat heating, driver's  
seat air conditioning



# DRAWING



**NOTES**

---



**NOTES**

---