

MAN Lion's Coach

Vehicle Description



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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
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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
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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
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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 m³ wo toilet / 8.6 m³ with toilet

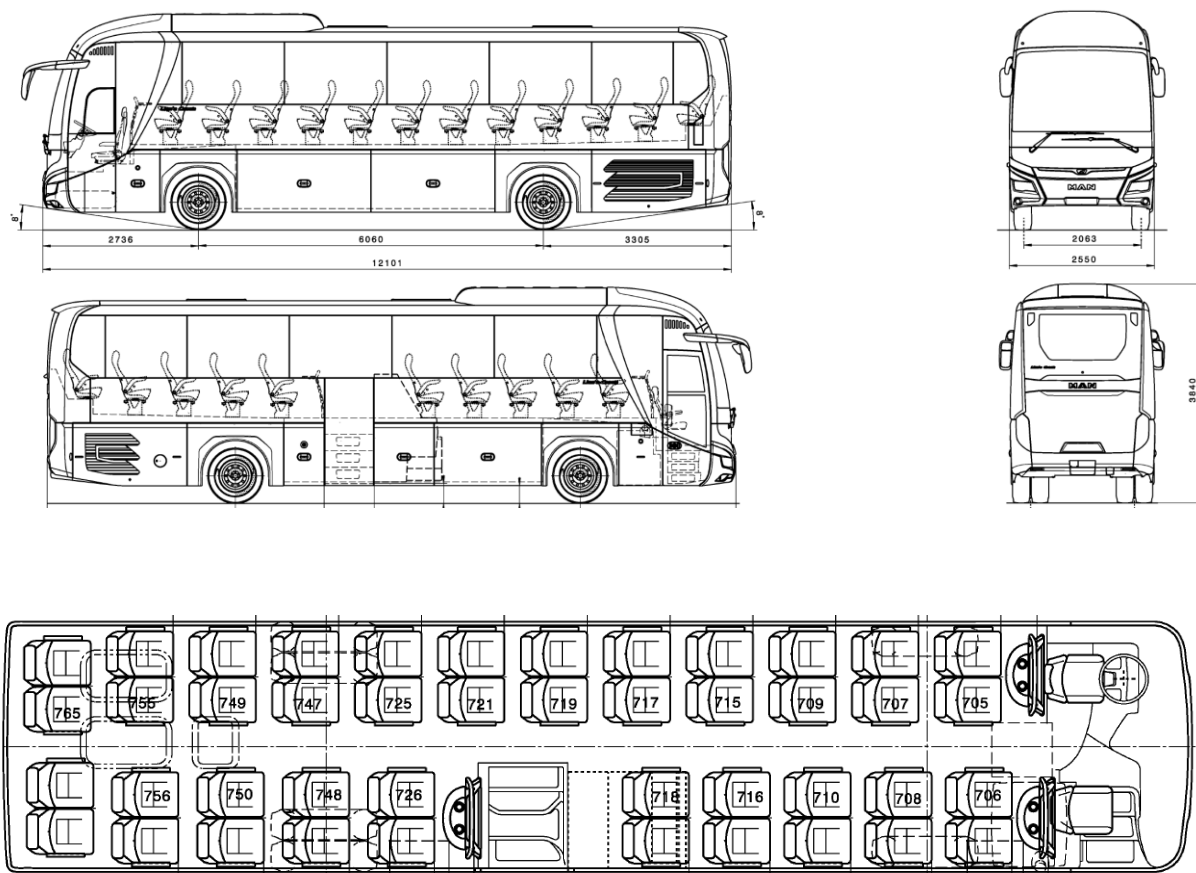
Luggage rack capacity _____

approx. 2 m³

Driver's workplace _____

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

DRAWING



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