

## **CONTENTS**

Vehicle type	3
Engine	3
Gearbox	3
Front axle	3
Rear axle	3
Brake system	4
Energy storage	4
Charging system	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

## **VEHICLE TYPE**

Test vehicle	MAN Lion's City 12 E LE
Design	-
Homologation	
Legally permissible gross weight	19,500 kg
ENGINE	
Engine type	Electric MAN central motor
Arrangement	Centrally on rear axle
Continuous power	160 kW (218 HP)
Maximum power	240 kW (326 HP)
Maximum torque	2,100 Nm
Continuous torque	1,300 Nm
GEARBOX	
Gearbox type	Single-stage MAN adapter gearbox
FRONT AXLE	
Axle type	MAN VOKS-08-B-01 ERA
Suspension	
Axle guide	
•	stabiliser and PCV shock absorbers
Tyres	275/70 R22.5
Steering	MAN Basic Steering
Permissible axle load	8,000 kg
REAR AXLE	
Axle type	MAN HU-1330-B-00
Suspension	
Tyres	
Permissible axle load (technical)	
Axle ratio	i = 5.12

## **BRAKE SYSTEM**

Front axle Rear axle Brake system	Disc brakes
ENERGY STORAGE	
Battery technology Installed capacity  Location  Battery usage strategy  Cooling system  Auxiliary heating tank volume	480 kWh 6 battery packs located on the vehicle roof Maximum Range (80% DoD) Water cooling circuit
CHARGING SYSTEM	
Charging strategy Charging technology Charging power Charging time Position of charging sockets	Plug charging (CCS) Up to 150 kW (DC) < 4 hours
ELECTRICAL SYSTEM	
Batteries	24 V vehicle electrical system with 2 x 230Ah batteries; battery protection shutdown via battery emergency stop switch in accordance with ECE R 36

# HEATING/VENTILATION/AIR CONDITIONING

Heating/air-conditioning system	CO2 air conditioning Valeo, air conditioning in driver's workplace via separate evaporator, fan-assisted convector heating	
	·	
Max. cooling power	-	
Max. heating power		
Refrigerant		
Auxiliary heating		
DOORS		
Door 1	Swing/sliding doors with electric drive	
Door 2		
	manual folding ramp as an entry aid	
Door 1 / door 2 clearing width	1,200 mm / 1,200 mm	
Entry height	320 mm	
SAFETY EQUIPMENT		
Assistance systems	Lane departure warning system LDW with acoustic warning	
	Lane change aid LCS with visual warning	
	Turning aid with visual and acoustic warning Collision warning (front end detection)	
	Rear view camera	
	Cruise control	
	Traffic sign recognition TSI	
	ESP ride dynamics control Rain/light sensor	
	Tyre pressure monitoring for all axles	
	Attention warning MAN AttentionGuard	
	Emergency braking assistant EBA	

Other equipment	LED front headlights with LED daytime
	driving light
	LED lighting of outside door area
	camera monitoring of door 2
	Multi-function steering wheel

### **COMFORT FEATURES**

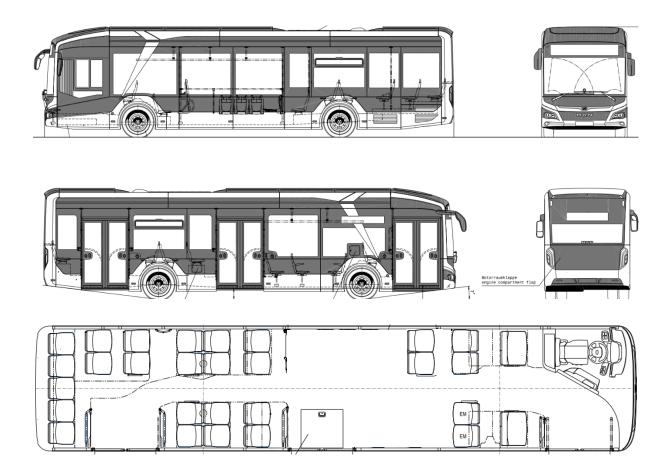
Interior \_\_\_\_\_\_\_ LED ambient passenger area lighting, colour selectable
LED ticket counter lighting combined antenna (WiFi, GPS, GSM/LTE)
Infotainment monitors 29 inch luggage racks up to door 2
USB power plugs at side panels in seating area (type a & c)

Other equipment \_\_\_\_\_\_\_ Windscreen heating, driver's window roller blind and windscreen roller blind, electrically

#### **DIMENSIONS AND WEIGHTS**

Length	12,185 mm
Width	2,550 mm
Height	3,320 mm
Wheelbase	6,005 mm
Overhang at front/rear	2,775 mm / 3,405 mm
Slope angle at front/rear	7°/7°
Turning circle radius	10,747 mm
Max. steering angle	56°
Interior headroom	2,427 mm (in front area)
Seats	41 seats, >80% facing driving direction
Capacity	Max. overall capacity 69 people
Seating	MAN City Comfort without seat belts (optional with seat belts)
Driver's workplace	MAN Lion's City Pro, rear door hinged, steering wheel height and inclination angle adjustable
	Driver's seat Isri ProActive 2, with seat heating, driver's seat air conditioning, 3-point seat belt, driver's seat rotatable
Steering	Electrical/hydraulic

## **DRAWING**



## **NOTES**