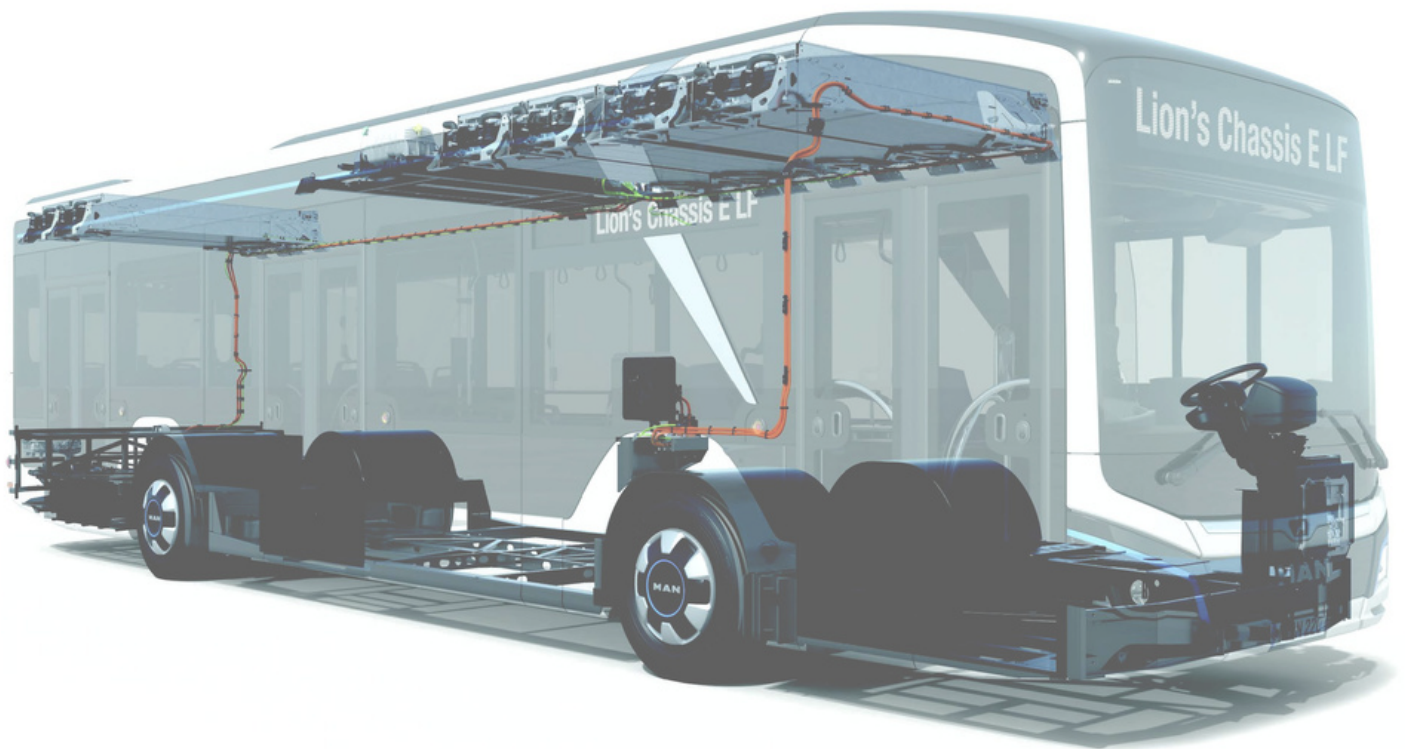


MAN LION'S CHASSIS E LF

ELECTRIC. EFFICIENT. CUSTOMISED.

Low Floor Chassis for a Minimum of 12m Long Body

The new MAN Lion's Chassis E LF is designed to successfully drive zero-emission mobility forward. The fully electric chassis exhibits proven MAN quality and is equipped with a future-proof modular battery system, a silent and maintenance-friendly electric motor as well as an efficient air-conditioning system. The MAN Lion's Chassis E LF makes a decisive difference to the environment, the city's image and your passengers.



YOUR BENEFITS PACKAGE AT A GLANCE

- **Customised solution** for various needs
- **Emission-free mobility** thanks to the latest generation cell and battery technology
- **High operation range** of up to 470 kilometres
- **Maximum operational reliability** thanks to the high modular battery capacity
- **Intelligent energy management** thanks to proven Nickel Manganese Cobalt (NMC) technology
- **Fast and easy charging** thanks to smart depot charging concept

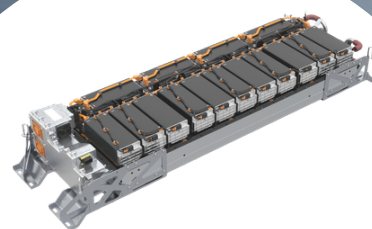


MAN LION'S CHASSIS E LF



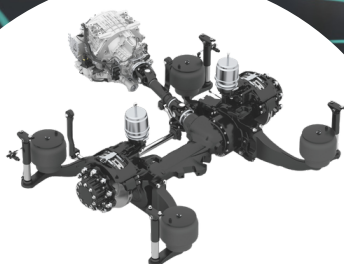
CENTRAL DRIVE

- Electric motor
- Continuous output 160 kW
- Peak performance 240 kW
- Maximum torque 2,100 Nm
- Single-speed gearbox



MODULAR BATTERY SYSTEM

- NMC battery technology
- Safely integrated in the roof
- High capacity of 445 kWh with up to 5 packs



AXLE CONFIGURATION

- Low floor portal rear axle
- Rigid front axle



CHARGING

- Max. charging power 150 kW
- CCS type 2 plug
- Depot charging
- Second charge port option
- 5 charge port location options

MAN Lion's Chassis E Low Floor (eLF) and High Floor (eLC)

DIMENSIONS

Vehicle length	12 - 13 m
Chassis width	2,450 mm
Height	3.3 m achievable (BB builder specific)
GVM	19.5 t

BATTERY & CHARGING

Battery capacity	356 kWh with 4 packs or 445 kWh with 5 packs
Battery location	Roof
Battery technology	NMC
Usage strategies	Reliable range / extended range
Range with heat pump	Up to 470km in Australian conditions based upon 5 battery packs under an extended range strategy
Charging system	Plug charging (CCS type 2) with 5 possible charging socket locations available
Charging performance	Up to 150 kW (DC max 500 Amp)

DRIVE & RUNNING GEAR

Motor	Electrical central motor
Continuous output	160 kW
Maximum output	240 kW
Torque	2,100 Nm
Gearbox	Single-speed adaptor gearbox

AXLES

Front axle	MAN rigid cast tubular axle with air suspension, anti-roll bar, steering damper and maintenance free wheel bearings
Drive axle	Portal type with rear stabiliser bar and maintenance free wheel bearings
Final drive ratio	i = 5.12

WHEELS & TYRES

Wheels	7 x 10-hole steel disc wheels, size 8.25 x 22.5
Optional: Tyres	Polished aluminium alloy wheels 275 / 80R22.5

STEERING

Type	ZF Servocom power steering Steering column adjustable for both height and inclination
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BRAKING SYSTEM

Wheel brakes	4-wheel disc brakes with self-adjusting callipers and integral pad wear sensors
Control	Electronic Braking System (EBS) which incorporates Antilock Brake System (ABS), Anti Spin Regulator (ASR) and Electronic Stability Program (ESP)
Bus stop brake	Activates service brakes via dash switch or automatically controlled by the Bodybuilder Remains active until accelerator pedal is depressed
Retarder	Activated with brake pedal and via optional driver's retarder stalk switch

COMPRESSED AIR SYSTEM

Compressor	Gear driven 2-stage Voith LP 490 with SLS (power-saving system)
Capacity	399 cm ³ (1 st cylinder) 85 cm ³ (2 nd cylinder)
Displ. effort	405 cm ³ / min at 1,600 rpm
Cut off pressure	12.5 bar
Max. positive pressure	13.5 bar

AIR SUSPENSION

Control	MAN Vehicle Air Suspension Control (VASC)
Driver's controls	Electronically controlled constant ride height regardless of load Various options to kneel, raise and lower the suspension available

DRIVER'S DISPLAY

Driver's display	12-inch full digital display with customisable optional information including rev counter and speedometer
Additional information available	Energy consumption, driver assistance system, trip data, oil pressure and battery range are accessible via LCD display

SAFETY OPTIONS

Lane departure warning	Automatic head lights
Cruise control	Automatic high beam
Turning aid	Automatic windscreen wipers
Traffic sign recognition	Tyre pressure monitoring
Blindspot monitoring	Driver attention warning