

BUS BANGES

Lion's City A84



CONSISTENTLY EFFICIENT 

Engineering the Future – since 1758.
MAN Truck & Bus





MAN A84 - 18.280 HOCL-NL Lion's City LE

Low-entry city Bus

BUS RANGES

The Lion's City LE embodies a versatile bus concept that cuts a fine figure on any city thoroughfare. Proven quality and technology have enabled this low-entry bus to win not only the hearts of passengers, but also the minds of fleet operators and transport company directors. This 12 metre bus packs a lot of punch in terms of passenger comfort and price. As a partner to transport services and operators of local public transport, MAN presents solutions that satisfy the major requirements of tomorrow; reliable, safe efficient and environment friendly transport. Definitely a head-turner on any city street, the Lion's City LE always leaves a striking impression of composed self-assurance. It has a future-proofed design that integrates tangible benefits such as improved serviceability with striking good looks. No less attractive are the levels of comfort, the handling characteristics and the cost effectiveness of the Lion's City LE. With its low consumption, clean burning common-rail engine and low life-cycle costs, the Lion's City LE sets new standards for dependability, economy and efficiency.

FEEL-GOOD SPACE FOR CITY DWELLERS

A major development towards improved convenience for commuters is the step-less low entry. This makes it easy for reduced-mobility and elderly passengers to board and disembark from the Lion's City LE. The bright colourful interior makes the passenger compartment inviting and cheerful whilst the ergonomic seats offer ample legroom, further enhancing passenger comfort. Standing passengers can take a firm grip of uprights and handrails. Infant buggies and wheelchairs are also conveniently positioned. Flip-down seats are positioned in the wheelchair bays, offering additional seating when not in use. No question, MAN has thought of everything. The kneeling function enables the nearside to settle 80mm, further enhancing the ease of boarding.

THE COCKPIT FOR THE CITY PILOT

Attractive in design, the cockpit is totally oriented towards the comfort and convenience of the driver. The controls are logically laid out and effortlessly reachable. All the important driver information is available at a glance and all the instruments are easily readable in daylight and at night. The adjustable, air-sprung driver's seat is a workplace where comfort reigns supreme. The luxurious seat can be adjusted in numerous ways, designed for maximum ergonomic benefit to keep the driver fully at ease and fully aware of the traffic situation. The height and angle of the steering wheel can also be adjusted to suit the driver. In this cockpit everything is just right. The driver feels immediately at home with the layout and can focus on the job at hand, that of driving safely and economically.

BODY STRUCTURE

The body frame structure with its continuous vertical pillars and diagonal bracing are manufactured from corrosion resistant 3CR12 steel tubing, adding to the overall strength of the vehicle and providing all important rollover protection. Corrosion resistant chromaprep panels are bonded to the body side exterior of the body structure, while the front and rear ends are clad with aesthetically pleasing moulded glass reinforced plastic (GRP) components. The roof, incorporating two emergency exit escape roof hatches, is a moulded GRP skin with integrated steel eaves bonded to the structure incorporating two exit escape roof hatches.



INVITING IN EVERY WAY

- Convenient, step-less low passenger entrance
- Kneeling function for lowering the kerb-side by 80mm
- Ergonomic seats with optimised legroom, vandal proof
- Equipped for the transportation of reduced-mobility persons
- Integrated folding ramp for wheelchairs and infant buggies



WHAT DRIVERS LIKE

- Ergonomic cockpit with conveniently positioned controls
- Uncluttered instrument panel layout
- Ergonomic seat for fatigue-free driving
- Adjustable steering wheel
- Liquid-crystal display for operating status and diagnostic data
- Clear visibility through curved front windscreen



THE WAY YOU LIKE TO TRAVEL

- Elegant, aesthetically pleasing exterior design
- Large tinted side windows for brightness inside and great views of city life outside
- Smooth, easily cleaned bonded side windows
- Front end is modular for simple repair and replacement
- Electrically operated exterior mirror system with integral wide-angle view

MAN A84 - 18.280 HOCL-NL Lion's City LE

Low-entry city Bus

BUS RANGES

LION'S CITY STANDARD BODY SPECIFICATION:

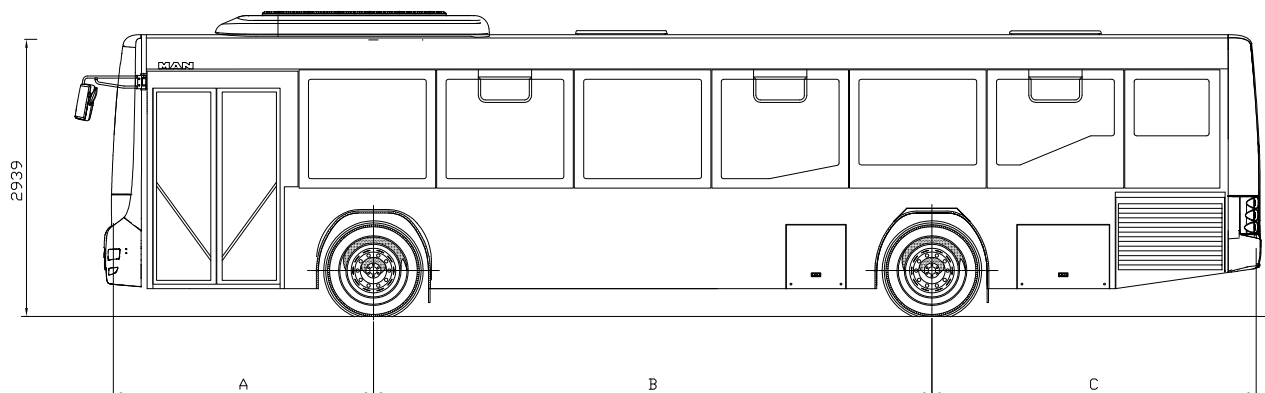
- 3CR12 body structure and floor plates
- Chromaprep exterior bodyside panels
- One-piece GRP roof design with integrated steel eaves
- Two emergency exit roof hatches as per SANS 20036
- Aerodynamic frontal design of the body reduces 'drag' contributing to improved fuel economy
- Front header box fitted with destination equipment
- Three-piece front bumper manufactured from moulded glass reinforced plastic (GRP)
- H7 high intensity headlights
- Two rear view mirrors
- Bonded bodyside windows
- Passenger entrance door - two leaf in-swing door pneumatically operated
- Interior bodyside trim in formica
- GRP contoured ceiling
- PVC floor covering with plastic welded seams
- Lockable fuel tank flap
- Acid-protected lockable battery compartment, housing the slide-out battery cradle and the tool kit
- Stone guards and mud flaps fitted behind all wheels

LION'S CITY OPTIONAL EXTRAS:

- Roof mounted air conditioning
- Forced draft ventilation system
- Customer specified seats from MAN approved suppliers
- Various seating configurations available
- Lap belts on all passenger seats
- Radio/CD combination
- Additional passenger entrance in wheelbase
- * Other options available on request

BODY DIMENSIONS:

A	2760
B	5925
C	3440
Front entry angle	8 degrees
Departure angle	9 degrees





You notice it when you start. You feel it when you accelerate. You experience it on every kilometre you drive. MAN's powerful Common Rail diesel engines have the torque and economy to match the exceptional reliability.





MAN A84 - 18.280 HOCL-NL Lions City LE

Low-entry city Bus

TECHNICAL SPECIFICATIONS

Vehicle model	MAN A84 - 18.280 HOCL-NL	
Lions City LE		
Engine		
Engine Model	D0836 LOH40	
Engine Characteristics	4-stroke diesel engine with turbo charger and intercooler	
Number of cylinders / design	6-cylinders / vertical, in-line	
Maximum power output	206 kW @ 2300 r/min	
Maximum torque	1 100 Nm @ 1 200 – 1 650 r/min	
Displacement	6 871 cm ³	
Bore x stroke	108 x 125 mm	
Number of valves per cylinder	4	
Rated engine speed	2 400 r/min	
Injection system	7-Jet direct injection	
Emission type	Euro 3	
Engine regulation	EDC 7 Common Rail	
Compression ratio	18:01	
Specific fuel consumption	205 g/kW.h	
Air cleaner type	Dry filter with safety element	
Transmission Options		
Make / Model	Voith DIWA 854.5	ZF EcoLife AP 1200B
Shift	Automatic	Automatic
Gears	4 gears forward	6 gears forward
Transmission ratios	6.20 - 0.7	3.36 - 0.62
Frame		
Towing devices at front and rear		
Fuel Tank		
3CR12 fuel tank –220 litres capacity		
Brakes		
Type	MAN EBS 5	
Service	Dual-circuit full air	
Parking	Spring loaded rear brake chambers	
Anti-lock (ABS)	Standard	
Traction control (ASR)	Standard	
Electro-pneumatic brake (EPB)	Standard	
Auxiliary brake	Integrated transmission retarder	
Bus-stop brake	Standard - with switch on dash	
Wheels and Tyres		
Tyres	295/80R22.5	
Rims	8.25 x 22.5, 10-hole	
Front Axle		
Model	VOK-07 B	
Type	Maintenance-free rigid axle with stabiliser and steering shock absorber	

Capacity	7 100 kg
Brake Type	Disc Brakes
Brake Disc Diameter	432 mm
Rear Axle	
Model	HY-1336 B
Type	Low-noise Hypoid rear axle
Capacity	12 000 kg (manufacturers rating)
Brake Type	Disc Brakes
Brake Disc Diameter	432 mm
Ratio	5.57:1
Steering	
Model	ZF 8098 Hydraulically assisted servo-type
Steering wheel diameter	500 mm
Steering column	Pneumatically adjustable (height and inclination)
Suspension	
Type (front / rear)	Electronically controlled air suspension (ECAS)
No. of air bellows (front / rear)	2 / 4
No. of shock absorbers (front / rear)	2 / 4
Stabilizer bars (front / rear)	1 / 1
Level control valves (front / rear)	1 / 2
Kneeling functionality	Standard - controlled via switch on dashboard
Electrical System	
System voltage	24V
Batteries - number/capacity	2 x 12V / 175Ah
Alternator	2 x 28V / 110Amp
Starter motor	5.5kW
Engine start/stop at rear	Standard
Vehicle Masses	
Front axle tare (Chassis):	3 720 kg (approx.)
Rear axle tare (Chassis):	7 160 kg (approx.)
Total tare (Chassis):	10 880 kg (approx.)
Manufactures F/axle rating (GA1):	7 100 kg
Manufactures R/axle rating (GA2):	12 000kg
Manufactures GVM:	18 200kg
Manufactures GVM:	18 200kg
Permissible F/axle load (A1):	7 100kg
Permissible R/axle load (A2):	10 200kg
Permissible vehicle mass (V):	17 300kg
Permissible combination Mass (D/T):	18 200kg



MAN Bus & Coach (Pty) Ltd

6 Hammer Road, Clayville Ext 8, Olifantsfontein, 1664

Tel: +27 11 206 0000

Fax2Email: +27 86 557 4590

info@za.man-mn.com

www.mantruckandbus.co.za