# **CONSISTENTLY EFFICIENT**



# MAN Lion's City. Welcome to the city-bus family.

Engineering the Future – since 1758.

**MAN Truck & Bus** 



### Efficiency has right of way.

As a partner to transport services and operators of local public transport, MAN presents solutions satisfying the major requirements of tomorrow: flexibility, comfort and convenience, safety and protection of the environment. Today, more than ever, the focus is on cost/benefit. Maximum efficiency is the order of the day. The Lion's City lowfloor city buses are an answer to the questions facing us. They are already available as Euro 6 versions, long before the demanding environmental standard actually comes into force on 1 January 2014. Regardless of whether the vehicle is driven by a diesel engine or natural gas: the MAN city buses meet the highest emissions requirements and remain highly economical. Until the Euro 6 standard comes into force, the MAN PURE DIESEL<sup>®</sup> concept has taken on a trendsetting role. This technology meets the Euro 5 and the EEV standards without the need for any additives.

Being efficient also means satisfying individual demands and having the right solution for every requirement that comes along. From midi-bus and double-decker through to intercity service bus, the MAN family of city buses includes models in all lengths from 10.5 to 18.75 metres, and offers you the highest levels of efficiency: as Lion's City, Lion's City M, Lion's City C/L, Lion's City DD, Lion's City G/GL and Lion's City LE models (Low Entry). Climb on board!





## Efficient all along the line: the Lion's City.

The Lion's City sets the tone. For example with the newly designed brand logo on the front of the vehicle that integrates the MAN lion prominently in the upper chrome strip. But it primarily offers new highlights when it comes to comfort and convenience, safety, cost-effectiveness and sustainability. The extremely quiet air-conditioning system, for example, not only ensures a pleasant temperature on board, but also more energy efficiency and a significant weight saving. The enhanced electronics structure increases reliability and improves operating safety. The driver, for example, also benefits from this at the ergonomically designed MAN workplace with new instrument panel. For added active driving safety, all Lion's City non-articulated buses now come with the ESP electronic stability programme as standard. The segmented side walls contribute to reducing repair and LCC costs, as they are considerably faster to replace. And last but not least, all Lion's City buses are certified for the "Blue Angel" environmental label – a seal of quality for the protection of health and the environment.





### A whole series of highlights.

- Energy-optimised air-conditioning system with significant weight saving
- ESP electronic stability programme comes as standard for non-articulated buses
- Segmented side wall for reduced repair times/costs
- New KIBES 32 electronic structure
- MAN cockpit with new instrument panel and new switch design
- "Blue Angel" seal of quality for all Lion's City buses







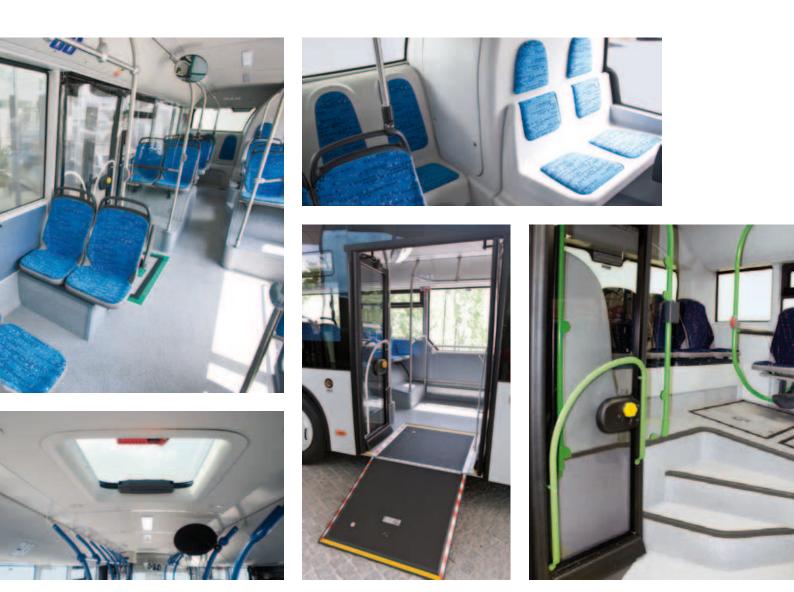
### Feel-good space for passengers.

#### Functional and comfortable.

The interior ambience of the Lion's City is characterised by friendly, harmonious colours. New optionally available emergency exit hatches made of safety glass improve the lighting conditions in the interior and ensure a pleasant atmosphere. In the case of Lion's City articulated buses, the bus interior can be made even lighter by translucent bellows. Comfort and functionality are the main features. Entrance, exit and centre aisle are all low-floor. The kneeling function enables the near side to lower by up to 80 mm. The ergonomic seats are vandal-proof, very easy to clean and have no underseat props. Needless to say, the Lion's City is compliant with EU Directive 2001/85/EC, including the provisions for the carriage of reduced-mobility passengers.

#### Inviting in every way.

- Convenient, stepless low-floor entrances
- Centre aisle is low-floor and stepless
- Kneeling function for lowering the nearside 80 mm
- Ergonomic seats with optimised legroom, vandalproof
- Seats are cantilevered with no underseat props, so cleaning is quick and easy
- Equipped for the carriage of reduced-mobility persons, compliant with 2001/85/EC
- Integrated folding ramp for wheelchairs and infant buggies
- Optional roof hatch made of safety glass
- Translucent bellows for articulated buses



# We stand the engine upright so that as many passengers as possible can take a seat.

The Lion's City with tower-design engine makes space in a way that is second to none. The engine is upright at the rear left of the bus, freeing up even more valuable space for the passengers. There is a standing-only platform at the rear right, although this space can also be used to accommodate a three-seat bench.

### Smart ideas smartly implemented.

- Upright common-rail engine
- Standing platform at the rear right
- Three-seat rear bench is optional
- Semi-circular bench seat opposite door No. 3
- Easy servicing through ease of access
- Less vehicle weight for lower fuel consumption







## The cockpit for the City pilot.

### A comfortable command post.

The attractive design of the driver's workplace meets the expectations of a classy car cockpit. Everything is oriented towards the driver. The controls are logically laid out and effortlessly reachable. All the important information is available at a glance and all the instruments are easily readable in daylight and at night. The focus is the liquid-crystal display for operating and diagnostic data. The ticket dispenser and register can be integrated into the cab door and colour-matched to the interior design through various attachment options. And of course a driver's workplace compliant with the VDV guidelines issued by the Association of German Transport Organisations is also available as an alternative.

### Sit comfortably, drive at ease.

The comfortable, highly adjustable driver's seat supports an ergonomic posture. 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, can concentrate on driving, and feels better all round.

### 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 and diagnostic data
- Good view through downswept windscreen and with the assistance of wide-angle mirrors



## Very large in the smallest of streets. The Lion's City M makes every corner.

The Lion's City M is a true contortion artist. Thanks to a length of only 10.5 metres and a reduced wheelbase of just 4.40 metres, the smallest member of the family is also the most manoeuvrable. The Lion's City M's sensational 18 metre turning circle ensures problem-free manoeuvring through winding streets and narrow alleyways, whilst not neglecting comfort. Be it a two or three-door model, this small bus has an extremely high capacity for its size, and takes up to 83 passengers.

### Bus size made to measure.

- Lion's City M with 10.5 metre length, two and three doors
- Capacity for up to 83 passengers
- Rear axle fitted with twin tyres to maximise the use of interchangeable parts and simplify tyre handling
- Light-weight D08 engines with 184 kW (250 hp) or 213 kW (290 hp)
- Euro 6 SCR technology or Euro 5/EEV MAN PURE DIESEL® technology
- Modern and efficient automatic gearbox
- Constructional preparation for Euro 6 engines
- Extremely good turning circle of just 18 metres



### Keeping the driver in mind.

For the driver too, the Lion's City M is the perfect city bus, especially at peak times. Drivers are won over by the utmost comfort and state-of-the-art technology. A VDV or MAN driver's workplace with rev counter and optimum night lighting, and an innovative mirror system with integrated wide-angle mirrors and folding right-hand housing, as well as an integrated optional halogen spotlight on the right, leave nothing to be desired. An FMS interface 2.0 for connecting additional data devices is also available on request.



## Comfort in two lengths. Lion's City C and L lead the way.

### Efficiency means satisfying specific demands.

If the capacity of a 12-metre bus is not enough but an articulated bus too large, MAN has an alternative to match: the Lion's City C with the convenient length of 13.7 metres and the Lion's City L with a vehicle length of 14.7 metres are efficiency made to measure. These three-axle drive buses feature convenient seating capacity, manoeuvrability and compactness. They come with 34 to 44 seats and capacity of 98 to 120 passengers. The turning circle is just 24.7 metres, due in no small part to an electrohydraulically steered trailing axle. MAN offers the Lion's City C solely with three doors; the Lion's City L is also available with two doors. All imaginable types of door are featured, such as modern outward swing/sliding doors.

### Bus sizes made to measure.

- Lion's City C with 13.7 metre length, three doors
- Lion's City L with 14.7 metre length, two and three doors
- Capacity of 98 to 120 passengers
- Electrohydraulically steered trailing axle
- MAN SCR technology for Euro 6
- MAN PURE DIESEL® concept for Euro 5 and EEV
- Common-Rail diesel engines with 235 kW (320 hp) and 264 kW (360 hp)
- Natural gas engines with 200 kW (272 hp) or 228 kW
  (310 hp)
- Small turning circle



### Well engined - with diesel or natural gas.

The torquey engines of the Lion's City C and L not only generate economic efficiency, they also satisfy ambitious demands for low environmental impact. Two modern Common-Rail diesel engines with 235 kW (320 hp) or 264 kW (360 hp) are available in accordance with Euro 6 or with MAN PURE DIE-SEL® technology in accordance with Euro 5 and EEV. Two natural gas engines with 200 kW (272 hp) and 228 kW (310 hp) are also available in Euro 6 or Euro 5 and EEV versions. From the outside, the natural-gas-powered bus can be recognized by the attractively styled hood on the roof covering the gas tanks.



### Efficiency is a constant. The Lion's City G and GL articulated buses.

### Glide smoothly through the rush-hour traffic.

Right out on the city's busiest thoroughfare, there is one cool head amidst all the hustle and bustle: the Lion's City G. Its enormous passenger capacity is up to dealing with any rush-hour challenge. Up to 150 passengers can be accommodated comfortably in the 18 metre long Lion's City G. The Lion's City GL is longer by 75 cm and is well up to carrying 165 passengers. In terms of design, comfort and technology, the articulated buses are completely in line with the MAN concept. That means: quality in every detail. A turning circle shy of 24 metres makes for easy handling. The extremely low pivoting joint makes the bus particularly convenient. In terms of innovation, MAN articulated buses are lengths ahead of the field.





### A small step for the passengers.

A big step toward more convenience. The stepless entries are very low, so it is easy for elderly persons to board the bus. The bright colourful interior makes the passenger compartment inviting and cheery. The ergonomic MAN City shell seat and the ample legroom emphasise passenger comfort. Standing passengers can take a firm grip of uprights and handrails. Infant buggies and wheelchairs are also conveniently positioned. Fold-down seats for accompanying persons are an option. No question about it: MAN has thought of everything.

### Low-floor perfected.

The pivoting joint with integrated bend stop allows a very low centre aisle, so the low-floor configuration offers the optimum ease of access that all passengers can enjoy. The double bellows adapter is another innovation. The inner bellows takes the place of the side slide guards. Translucent bellows that let in daylight are also available as an option. The floor covering is very flat and is made of a special resilient material; it is easily replaced if damaged. Visual appearance is much improved, and the same applies to the feeling of space inside the articulated bus.

# The multi-talent: Lion's City LE (Low Entry).

### Efficient on city streets and country roads.

The Lion's City LE embodies a versatile bus concept that cuts a fine figure on city thoroughfares and out and about on country highways and byways. Proven quality and technology have enabled this low-entry bus to earn not only the hearts of passengers, but also the minds of fleet operators and transport-company directors. This is a 12-metre

bus that packs a lot of punch in terms of passenger comfort and price/performance ratio. This is due primarily to the fact that many components from the MAN Lion's City family were incorporated into the design of the Lion's City LE. Not sure whether to opt for the city service bus or the intercity version? The best idea would be to take both.

Liffs Co





### **Everyone enjoys boarding this bus.**

#### Two versions, one claim to quality.

The entry-step height at both plug doors is a convenient 370 mm. The Lion's City LE has a step height of only 320 mm, so it is even easier to board and exit. Both versions feature the kneeling function as standard, so they offer every assistance to persons of reduced mobility. Lifting gear and a wheelchair ramp at door No. 2 are available as optional extras. Both are standard equipment on the city service bus.

### Robust and inviting.

Achieving a sense of space in the low-floor Lion's City LE: where everything has its place, looks good and is easy to clean. Strong and comfortable seats invite passengers to relax at their ease. The seat back is a robust and easily cleaned plastic moulding.

The Lion's City LE Ü intercity service bus comes ex-works with two 200 mm low-rise platforms on right and left between doors 1 and 2. The seat cushions feature wool plush material covers. Each seat has an integral hand grip and can be supplied on request with a side armrest.

### Lion's City LE/LE Ü city service bus.

- Single- and double-leaf hinged doors
- Single-leaf plug door behind rear axle is optional
- No platform between front axle and door No. 2 (platforms optional)
- Entry heights LE 320 mm/LE Ü 370 mm
- 39 or 43 row seats
- LE tyres 275/70 R 22.5, LE Ü tyres 295/80 R 22.5
- 6-cylinder inline engine, Common Rail, vertical
- 206 kW (280 hp) Euro 4 or 213 kW (290 hp) EEV
- 6- and 4-speed automatic transmission



### Low entry, high efficiency.

The city and intercity buses MAN Lion's City C, L, G and GL are available in a new low-entry design (LE). Thanks to the clever combination of the low-floor and low-entry concepts, the special Lion's City versions are able to impress with features such as a lower vehicle height and a greater number of seats with seats arranged in the direction of travel. The underlying low-floor concept makes a low vehicle height possible and at the same time reduces the cost of repair and maintenance.







## High-tech for high environmentalprotection targets.

### A clean lead - in Euro 6, Euro 5 and EEV.

The Lion's City bus family gives you the choice: all its buses already fulfil the demanding Euro 6 emission standard, which comes into force in Europe on 1 January 2014. Until then, all MAN city buses are available in Euro 5 version, equipped with MAN PURE DIESEL® technology, which does not require AdBlue®. Likewise, vehicles with CRTec® interior air filter in accordance with the EEV emission standard are also available.





# High-tech for high environmental-protection targets.

#### Euro 6

 MAN AdBlue<sup>®</sup> with SCR technology, AGR and DPF/ CRT interior air filter

### Euro 5

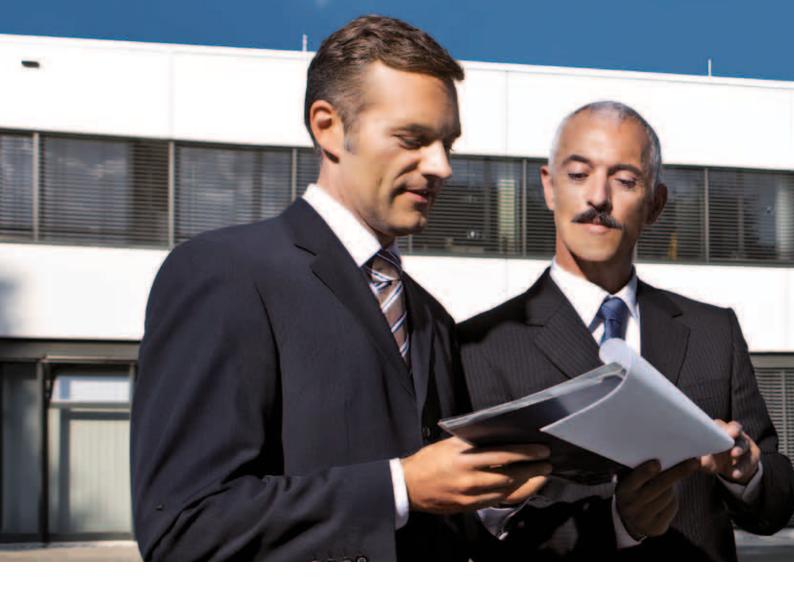
MAN PURE DIESEL® technology with AGR and PM-KAT® filter, no AdBlue® necessary

#### EEV

Electronically monitored CRTec<sup>®</sup> interior air filter, no AdBlue<sup>®</sup> necessary

#### The drive to greater efficiency.

You'll notice it every time you drive off and accelerate, you'll feel it over every mile you travel. The Common-Rail diesels from MAN develop compellingly powerful pulling torque and log astonishingly appealing consumption figures. They are also very, very reliable, as reflected in the long service intervals. Mated to the 4-speed and 6-speed automatic transmissions with topography-dependent control, the engines with ratings of 184 kW (250 hp) to 265 kW (360 hp) give the Lion's City buses supremely capable performance. The range also includes spotlessly clean natural-gas-powered engines (CNG) as 6-cylinder propulsion units with 200 kW (272 hp) and 228 kW (310 hp).



## It's not just a matter of engine power alone: The backup power of MAN services.

### For the greatest efficiency.

As far as mobility is concerned, you chose well when you opted for MAN. The tightly meshed MAN service network stretches right across Europe, affording you the luxury of knowing you won't be left in the lurch. We have a great choice of services all designed to keep your business up and running.

- MAN Comfort System the made-to-measure package for maintenance and repair in combination with warranty extension
- MAN Mobile24 the 24/7 mobility service at your disposal every single day of the year
- MAN ServiceCard and RepairCard for no-cash transactions anywhere in Europe. A no-compromise improvement in mobility and independence

# All geared toward supporting your business endeavours.

Boost performance, cut costs, optimise success. If you share the same motto you will appreciate our flexible offerings, tailored to match your requirements.

- MAN Communication everything needed to back up mobile communication
- MAN ProfiDrive<sup>®</sup> driver training for more safety and cost efficiency



### Financial management for your profit.

Our offerings extend your financial latitude, lift the burden on your credit lines and give you cost transparency and full planning and budgeting security.

- MAN Credit the attractive financing models of variable duration
- MAN Lease the handlest way of easing the strain on your budget and always having a new MAN on the road
- MAN Rental vehicle rental with variable duration of contract, from one day to 24 months

# **Comfort low-floor axle.**

### Lion's City M (vertical arrangement)



Vehicle dimensions	
Lengh	10,500 mm
Width	2,500 mm
Overall height	2,880 mm
Wheelbase	4,395 mm
Clearance circle	18,058 mm

### Interior equipment Lion's City

Seating arrangement	22 or 29 city bus seats
	Standing platform opposite door 2

Running gear	
Front axle	Comfort low-floor axle with disk brakes
Rear axle	Portal axle with disk brakes
Additional brake	Retarder integrated in the gearbox
Tyres	275/70 R 22,5

### Gearbox

Туре

6-speed automatic, series 4-speed automatic, optional

Engine	
D 0836 LOH, EEV, Euro 6	
Model and arrangement	6-cylinder in-line diesel engine, Common rail
Rating	184 kW/250 hp and 213 kW/290 hp at 2,300 rpm
Capacity	6,871 cm <sup>3</sup>
Max. torque	1,000/1,100 Nm

### Lion's City

(vertical arrangement)



### Vehicle dimensions

Lengh	11,980 mm
Width	2,500 mm
Overall height	2,880 mm
Wheelbase	5,875 mm
Clearance circle	22,312 mm

### Interior equipment Lion's City

eating arrangement	27 city bus seats
	Standing platform opposite door 2

#### Running gear

Front axle	Rigid axle with disk brakes
Rear axle	Portal axle with disk brakes
Additional brake	Retarder integrated in the gearbox
Tyres	275/70 R 22,5

### Gearbox

уре	6-speed automatic, series
	4-speed automatic, optional

Engine	
D 0836 LOH, EEV, Euro 6	
Model and arrangement	6-cylinder in-line diesel engine, Common rail
Rating	184 kW/250 hp and 213 kW/290 hp at 2,300 rpm
Capacity	6,871 cm <sup>3</sup>
Max. torque	1,000/1,100 Nm

### Lion's City





### Lion's City LE



Vehicle dimensions	City / City Ü	City LE / City LE Ü
Lengh	11,980 mm	11,857 mm
Width	2,500 mm	2,550 mm
Overall height	2,880 mm	3,090 mm
Wheelbase	5,875 mm	5,725 mm
Clearance circle	22,312 mm	21,960 mm

### Interior equipment Lion's City

Seating arrangement

36 city bus seats Standing platform opposite door 2

### Interior equipment Lion's City Ü

Seating arrangement 44 city bus seats Standing platform opposite door 2

Interior equipment Lion's City LE	
Seating arrangement	39 city bus seats
	Standing platform opposite door 2

### Interior equipment Lion's City LE Ü

Seating arrangement 43 city bus seats

Standing platform opposite door 2

### Running gear Lion's City / Lion's City Ü

Front axle	Rigid axle with disk brakes
Rear axle	Portal axle with disk brakes
Additional brake	Retarder integrated in the gearbox
Tyres	275/70 R 22,5

### Running gear Lion's City LE / Lion's City LE Ü

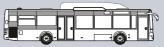
Front axle	Rigid axle with disk brakes
Rear axle	Hypoid axle with disk brakes
Additional brake	Retarder integrated in the gearbox
Tyres Lion's City LE	275/70 R 22,5
Tyres Lion's City LE Ü	295/80 R 22,5

#### Gearbox

уре	6-speed automatic, series
	4-speed automatic, optional

## Lion's City Ü

(horizintal arrangement)



### Lion's City LE Ü



### Motor Lion's City / Lion's City Ü

D 2066 LUH, EEV, Euro 6	
Model and arrangement	6-cylinder in-line diesel engine, Common rail
Rating	206 kW/280 hp at 1,900 rpm
Capacity	10,518 cm <sup>3</sup>
Max. torque	1,250 Nm

### D 2066 LUH, EEV, Euro 6

Model and arrangement	6-cylinder in-line diesel engine, Common rail
Rating	235 kW/320 hp at 1,900 rpm
Capacity	10,518 cm <sup>3</sup>
Max. torque	1,600 Nm

### D 2066 LUH, EEV, Euro 6

Nodel	and	arrangement
Nodel	and	arrangement

	rail
Rating	264 kW/360 hp at 1,900 rpm
Capacity	10,518 cm <sup>3</sup>
Max. torque	1,800 Nm

6-cylinder in-line diesel engine, Common

6-cylinder in-line-gas engine

### E 2876 LUH (CNG), Euro 6

Model and arrangement

Rating	200 kW/272 hp and 228 kW/310 hp at 2,000 rpm
Capacity	12,816 cm <sup>3</sup>
Max. torque	1,050/1,250 Nm

### Motor Lion's City LE / Lion's City LE Ü

D 0836 LOH, EEV, Euro 6	
Model and arrangement	6-cylinder in-line diesel engine, Common rail, vertical arrangement
Rating	213 kW/290 hp at 2,300 rpm
Capacity	6,871 cm <sup>3</sup>
Max. torque	1,100 Nm

### Lion's City C



### Lion's City C LE



Vehicle dimensions	City C / C LE	City L / L LE
engh	13, 680 mm	14,705 mm
Width	2,500 mm	2,500 mm
Overall height	2,880 mm	2,880 mm
Whellbase at front	5,875 mm	6,900 mm
Whellbase at rear	1,700 mm	1,700 mm
Clearance circle	24,600 mm	24,720 mm

### Interior equipment Lion's City C

Seating arrangement	42 city bus seats
	Standing platform opposite door 2

### Interior equipment Lion's City L

Seating arrangement	48 city bus seats
	Standing platform opposite door 2

### Interior equipment Lion's City C LE

Seating arrangement	44 city bus seats
	Standing platform opposite door 2

#### Interior equipment Lion's City L LE

Seating arrangement	48 city bus seats
	Standing platform opposite door 2

#### Running gear

Front axle	Rigid axle with disk brakes
Rear axle	Portal axle with disk brakes
Trailing axle	Rigid axle with disk brakes
Additional brake	Retarder integrated in the gearbox
Tyres	275/70 R 22,5

#### Gearbox

Гур	6-speed automatic, series
	4-speed automatic, optional

Lion's City L



### Lion's City L LE



Engine	
E 2876 LUH (CNG), Euro 6	
Model and arrangement	6-cylinder in-line-gas engine, horizontal arrangement
Rating	200 kW/272 hp and 228 kW/310 hp at 2,000 rpm
Capacity	12,816 cm <sup>3</sup>
Max. torque	1,050/1,250 Nm

### D 2066 LUH, EEV, Euro 6

Model and arrangement	6-cylinder in-line diesel engine, Common rail, horizontal arrangement
Rating	235 kW/320 hp at 1,900 rpm
Capacity	10,518 cm <sup>3</sup>
Max. torque	1,600 Nm

### D 2066 LUH, EEV, Euro 6

Model and arrangement	6-cylinder in-line diesel engine, Common
	rail, horizontal arrangement
Rating	265 kW/360 hp at 1,900 rpm
Capacity	10,518 cm <sup>3</sup>
Max. torque	1,800 Nm

### Lion's City G



### Lion's City G LE



City G / G LE	City GL / GL LE
17,980 mm	18,750 mm
2,500 mm	2,500 mm
2,880 mm	2,880 mm
5,105 mm	5,875 mm
6,770 mm	6,770 mm
23,392 mm	24,446 mm
	17,980 mm        2,500 mm        2,880 mm        5,105 mm        6,770 mm

#### Interior equipment Lion's City G

Seating arrangement	51 city bus seats
	Standing platform opposite door 2
Interior equipment Lion's C	City GL
Seating arrangement	55 city bus seats
	Standing platform opposite door 2
Interior equipment Lion's C	
Interior equipment Lion's C Seating arrangement	
	Dity G LE
	City G LE 60 city bus seats
	City G LE 60 city bus seats Standing platform opposite door 2
Seating arrangement	City G LE 60 city bus seats Standing platform opposite door 2

### Running gear

Front axle	Rigid axle with disk brakes
Central axle	Portal axle with disk brakes
Rear axle	Portal axle with disk brakes
Additional brake	Retarder integrated in the gearbox
Tyres	275/70 R 22,5

#### Gearbox

Тур	6-speed automatic, series
	4-speed automatic, optional

### Lion's City GL



### Lion's City GL LE



### Motor

6-cylinder in-line-gas engine,
horizontal arrangement
228 kW/310 hp at 2,000 rpm
12,816 cm <sup>3</sup>
1,250 Nm
6-cylinder in-line diesel engine, Common
rail, horizontal arrangement
206 kW/280 hp and 235 kW/320 hp at
1,900 rpm
10,518 cm <sup>3</sup>
1,250/1,600 Nm
6-cylinder in-line diesel engine, Common
rail, horizontal arrangement
265 kW/360 hp at 1,900 rpm
10,518 cm <sup>3</sup>
1,800 Nm

D 112.512/E · ms 09122 · Printed in Germany Text and illustrations not binding. Subject to modifications in the course of technical progress.

MAN Truck & Bus AG Postfach 50 06 20

D-80976 München www.mantruckandbus.com

MAN Truck & Bus – A member of the MAN Group