

MAN BUS CHASSIS.

Quality meets efficiency - more flexible than ever.



A SOLID FOUNDATION FOR YOUR REQUIREMENTS.

In times of rapid change, one thing remains constant: MAN is your strong partner for flexible solutions. As one of the world's leading manufacturer of commercial vehicles, MAN combines the highest level of expertise with maximum efficiency - a concept that has proven itself worldwide.

Our high-quality bus chassis meet all requirements and areas of application, offer you maximum flexibility and enable you to hold your own in the bus market. Proven MAN quality offers a solid foundation for your business success.



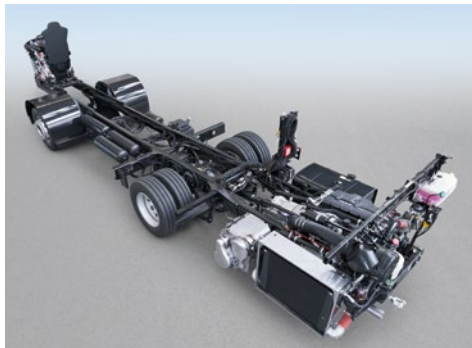


MAN BUS CHASSIS WITH DIESEL DRIVE.

LOW-ENTRY CHASSIS

Suitable for single decker city and intercity bus bodies with step-free entry.

- **Body length:** 10.5 to 12.8 metres
- **Engine power output:**
250 hp to 360 hp, Diesel
- **Emissions category:** Euro 6



FRONT-ENGINE HIGH-FLOOR CHASSIS

Versatile chassis for single decker coach, intercity bus and high-floor city bus bodies.

- **Body length:** 12 to 27 metres
- **Engine power output:**
240 hp to 390 hp, Diesel
- **Emissions category:** Euro 3



HIGH-FLOOR CHASSIS INTERCITY

Suitable for single decker intercity bus and high-floor city bus bodies, as well as simple coach bodies; provides plenty of space for a luggage compartment.

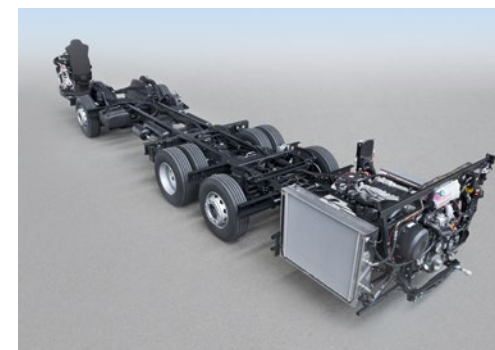
- **Body length:** 10.35 to 13.2 metres
- **Engine power output:**
250 hp to 360 hp, Diesel
- **Emissions category:** Euro 6
- **Body height:** up to max. 3.6 metres



HIGH-FLOOR CHASSIS COACH

Suitable for powerful single and double decker coach and intercity bus bodies; provide plenty of space for a luggage compartment.

- **Body length:** 10.35 to 14.6 metres
- **Engine power output:**
350 hp to 520 hp, Diesel
- **Emissions category:** Euro 3 to Euro 6
- **Body height:** up to max. 4.2 metres



MAN BUS CHASSIS WITH ELECTRIC DRIVE.

LOW-FLOOR CHASSIS BEV

MAN Lion's Chassis E LF

Suitable for single decker city bus bodies with step-free floors throughout.

- **Body length:** 12 metres
- **Engine power output:**
160 kW / 290 kW (peak)
- **Battery capacity:** up to 445 kWh with 5 battery packs



HIGH-FLOOR CHASSIS BEV

MAN Lion's Chassis E HF

For MAN Lion's Explorer E.

- **Body length:** 12 metres
- **Engine power output:**
160 kW / 290 kW (peak)
- **Battery capacity:** 320 kWh with 4 battery packs



RELIABLE IN EVERY SITUATION.

MAN bus chassis are equipped with numerous state-of-the-art assistance systems to ensure maximum safety on the road.

Electronic Braking System (EBS)

Rapid brake intervention and the anti-lock braking system significantly increase braking safety. The integrated traction control system prevents the drive wheels from spinning and reduces wear.

MAN BrakeMatic with Maximum Speed Control and Cruise Control

The MAN BrakeMatic continuous braking system ensures that the brakes are applied automatically as soon as the driver presses the brake pedal. Cruise Control enables the driver to precisely maintain a set speed, which increases safety, especially on steep gradients.

Emergency Brake Assist (EBA)

Brake Assist warns the driver of an impending collision and, if necessary, automatically applies the brakes to bring the vehicle to a standstill.

Active Lane Keeping Assist

The Active Lane Keeping Assist helps the driver to keep the vehicle in its lane and assists with steering interventions if necessary. If the driver inadvertently crosses a lane marker, the system alerts the driver via a steering wheel vibration or an acoustic signal.

Adaptive Cruise Control (ACC) / ACC Stop & Go

Depending on the distance to the vehicle in front, the vehicle's speed is regulated and kept constant by subtle braking interventions of the retarder. The ACC Stop & Go function offers the driver a high level of comfort even in traffic jams. In slow-moving traffic, the car brakes to a standstill (up to 2 seconds) and then automatically re-starts.



CUSTOMISED DRIVELINE.

The MAN bus chassis feature a smart, highly efficient driveline and fuel-saving assistance systems. With more engine power and lower emissions, MAN is setting new standards.

Our high-torque common-rail engines offer an optimum balance between efficiency, performance and environmental friendliness. With engine variants from 250 to 520 hp, MAN offers a flexible and clean engine portfolio for all areas of application - whether in the city, in the country or on the road. In addition to highly efficient diesel engines, we also offer powerful natural gas engines and an electric central engine with a maximum output of 240 kW for our city bus chassis.



D1556
Engine for city and intercity buses



D2066
Engine for city and intercity buses



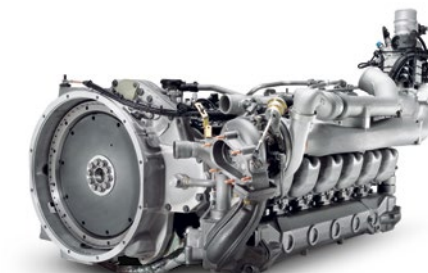
Electric engine P160



D2676
Engine for coaches

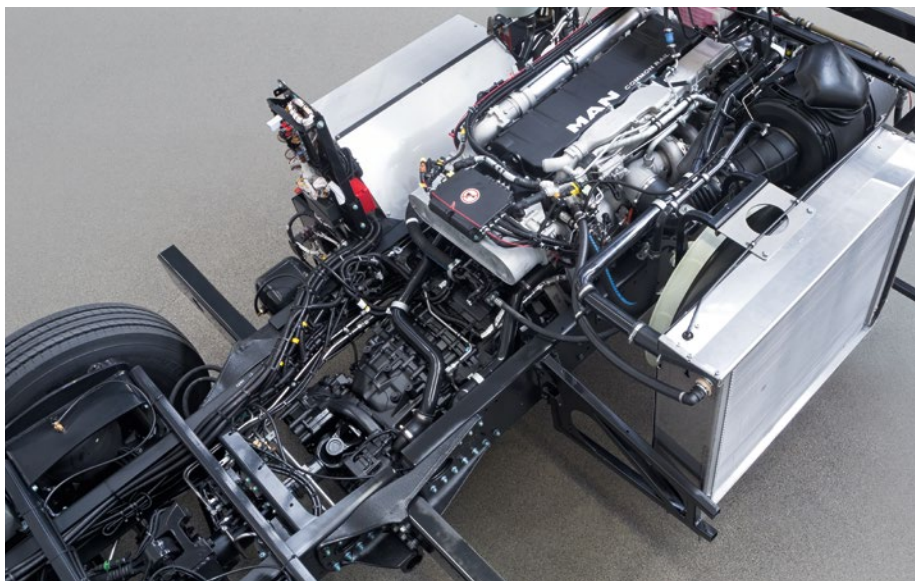


D0836
Engine for city and intercity buses



E2876
Natural gas engine for city and intercity buses

COMFORT THAT HELPS YOU STAY EFFICIENT.



Intelligent transmission.

MAN offers a choice of two gearboxes that increase driving comfort and save fuel at the same time - perfect for city and off-road driving.

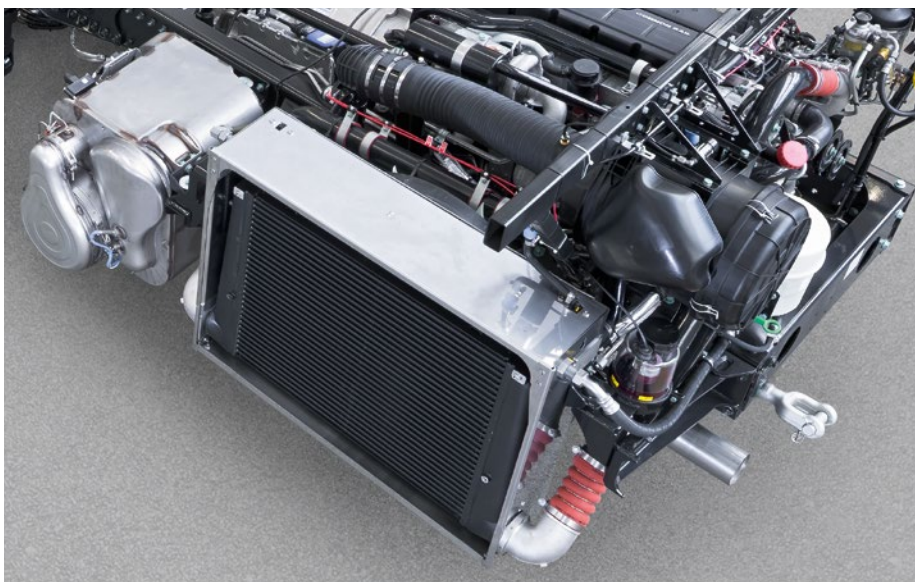
Our automatic gearbox, suitable for engines from 250 hp to 480 hp, impresses with improved shift quality and smooth, quiet gear changes. Thanks to the improved retarder performance, fuel consumption is also significantly reduced.

The **MAN TipMatic**, suitable for engines from 280 hp to 520 hp, offers reduced interior noise and lowers fuel consumption in coaches. Thanks to Smartshift, gear changes are quick and convenient. Excellent starting characteristics and an optimised manoeuvring mode add to the driving pleasure. Improved retarder braking power of up to 500 kW reduces brake wear and, as with the automatic transmission, significantly reduces fuel consumption.



Outstanding driving comfort.

The state-of-the-art MAN axles offer maximum driving comfort, which the driver and passengers feel immediately. Whether rigid axle or independent suspension - both axle types are instantly convincing and make manoeuvring with small turning circles easier. The excellent suspension ensures a pleasant ride even over long distances. Easy to maintain, MAN axles offer added comfort.



Stay cool at all times.

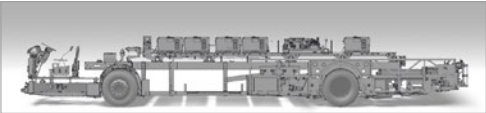
The fold-out intercooler is extremely reliable and well designed. Not only does it provide easy access to all critical areas, it is also extremely easy to service and operate. The engine is always reliably cooled by the easy-to-clean intercooler. As a result, the service life of the engine is significantly increased. This means that both the engine and the mechanic can keep a cool head at all times.



Digital cockpit.

The digital cockpit has a 12-inch digital display and can be easily adjusted to suit a wide range of needs. The multi-function steering wheel can be adjusted in height and angle to ensure a perfectly ergonomic workplace. In addition, all controls are positioned so that they are easy to reach from a comfortable driving position and do not distract the driver's attention from the road ahead.

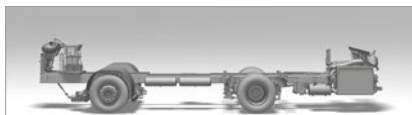
LOW-FLOOR CHASSIS



CL2

Dimensions	Body length	12.00 m
	Chassis wheelbase	5,875 mm
	Overhang, front	2,553 mm
	Overhang, rear	3,383 mm
	Chassis width	2,500-2,550 mm
Gross vehicle weight (kg)		19,500 kg
Engine	P160	
	E-engine	Continuous output: 160 kW; Peak performance: 240 kW
Steering arrangement	LHD / RHD	LHD / RHD
Gearbox	Single-speed gearbox	
Axle	Front axle	Rigid axle
	Rear axle/Centre axle	Portal axle
	Trailing axle	
Tyres	Front axle/Rear axle	275/70 R22.5
Charging	Max. charging power	150 kW
	CCS Type 2 plug	
	Depot charging	
Modular Battery	CBP battery technology	4x 89 (356) kWh; 5x 89 (445) kWh

LOW-ENTRY CHASSIS



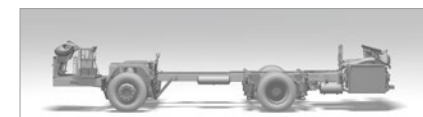
LE 19.xxx (RC2)

Dimensions	Body length	10,5–13 m
	Chassis transport wheelbase	4,000 mm
	Overhang, front	provisional
	Overhang, rear	3,150/3,400 mm
	Chassis width	2,450 mm
Gross vehicle weight (kg)	depends on tyres	19,500 kg
Engine	D08	
	E5 (Oxi-Kat)	
	E6	184 kW/250 hp; 213 kW/290 hp
	D15	
	E6 (SCR)	206 kW/280 hp; 243 kW/330 hp; 264 kW/360 hp
	D20	
	E4 (PM-Kat)	228 kW/310 hp
	E5 (PM-Kat)	235 kW/320 hp
	E6 (SCR)	
	CNG E2876	
	EEV/E6	
Steering arrangement	LHD / RHD	LHD / RHD
Gearbox	Automatic	ZF Ecolife/Voith Diwa 5 Sensotop
Axle	Front axle	Rigid axle
	Rear axle	Hypoid axle
Tyres	VA/HA	275/70 R22.5; 295/80 R22.5
Fuel tank	Diesel	2x 150 l (D08/D20), 1x 300 l (D08)
Electrical	Generators	2x 120 A/opt. 3x 120 A (D20), 2x 190 A (D15)

HIGH-FLOOR CHASSIS



NF RR9 (CIB*)

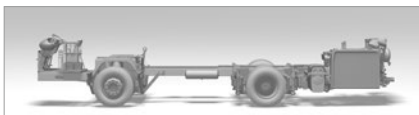


IC 19.xxx (RR8)

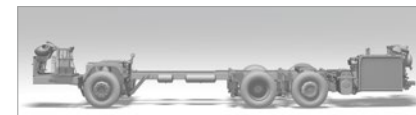
Dimensions		
	Body length	12 m
	Chassis wheelbase	6,300 mm
	Overhang, front	2,499 mm
	Overhang, rear	3,194 mm
	Chassis width	2,5 – 2,55 m
Gross vehicle weight (kg)		19,700 kg
Engine	P160 E-engine	Continuous output: 160 kW; Peak performance: 240 kW
Steering arrangement	RHD	RHD
Gearbox	Single-speed gearbox	
Axle	Front axle Rear axle/Centre axle Trailing axle	Rigid axle, indep. front Hypoid axle --
Tyres	Front axle/Rear axle	295/80 R22.5
Charging	Max. charging power CCS Type 2 plug Depot charging	150 kw
Modular Battery	NMC battery technology	4x 80 (320) kWh

Dimensions		
	Body length	10.5–13 m
	Chassis transport wheelbase	4,000 mm
	Overhang, front	provisional
	Overhang, rear	3,150/3,400 mm
	Chassis width	2,450 mm
Gross vehicle weight (kg)	depends on tyres	19,500 kg
Engine	D08 E3 E4 (PM-Kat) E5 (Oxi-Kat) E6 (SCR)	184 kW/250 hp; 213 kW/290 hp
	D15 E6 (SCR)	206 kW/280 hp; 243 kW/330 hp; 264 kW/360 hp
	D20 E5 (PM-Kat) E6 (SCR)	235 kW/320 hp; 264 kW/360 hp
Steering arrangement	LHD / RHD	LHD / RHD
Gearbox		ZF 6S 1901 MAN Tipmatic (D15) ZF Ecolife/Voith DIWA 5 Sensotop
Axle	Front axle HA Trailing axle	Rigid axle, indep. front suspension optional Hypoid axle --
Tyres	Front axle/Rear axle	295/80 R22.5; 315/80 R22.5 (only with indep. front suspension)
Fuel tank	Diesel	480 l + opt. 200 l - Indep. front suspension 300 l/opt. 2x 220 l
Electrical	Generators	2x 120 A/opt. 3x 120 A (D20)

* CIB = CHASSIS IN THE BOX



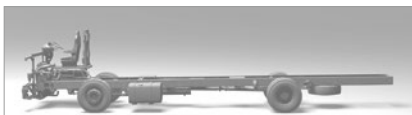
CO 19.xxx (RR2/RR3 CIB*)



CO 26.xxx (RR4/RR5 CIB*)

Dimensions			
	Body length	10.5–13.2 m	12.8–14.6 m
	Chassis transport wheelbase	4,000 mm	4,500 (+ 1,470) mm
	Overhang, front	provisional	provisional
	Overhang, rear	3,400 mm	3,100 mm
	Chassis width	2,450 mm	2,450 mm
Gross vehicle weight (kg)			
	depends on tyres	19,700 kg	27,050 kg (SD) / 27,500 kg (DD)
Engine			
	D08		
	E3		
	E4 (PM-Kat)		
	E5 (Oxi-Kat)		
	E6 (SCR)		
	D20/D26		
	E3	257 kW/350 hp; 316 kW/430 hp	316 kW/430 hp
	E4 (SCR)		
	EEV (SCR)	264 kW/360 hp; 294 kW/400 hp; 324 kW/440 hp; 353 kW/480 hp	264 kW/360 hp; 324 kW/440 hp; 353 kW/480 hp
	E6 (SCR)	264 kW/360 hp; 294 kW/400 hp; 309 kW/430 hp; 338 kW/470 hp 368 kW/510 hp	264 kW/360 hp; 309 kW/430 hp; 338 kW/460 hp; 368 kW/510 hp
Steering arrangement			
	LHD / RHD	LHD / RHD	LHD / RHD
Gearbox			
		ZF 6S1901	
		MAN TipMatic	MAN TipMatic
		ZF Ecolife	ZF Ecolife
Axle			
	Front axle	Rigid axle, indep. front suspension optional	Indep. front suspension
	HA	Hypoid axle	Hypoid axle
	Trailing axle	--	Actively steered trailing axle
Tyres			
	Front axle/Rear axle	295/80 R22.5; 315/80 R22.5 (only with indep. front suspension)	295/80 R22.5; 315/80 R22.5
Fuel tank			
	Diesel	480 l + opt. 200 l - Indep. front suspension	480 l + opt. 200 l
		2x 200 l - Rigid axle	
Electrical			
	Generators	2x 120 A /opt. 3x 120 A	2x 120 A/opt. 3x 120 A

FRONT-ENGINE HIGH-FLOOR CHASSIS



18.3xx FOCR (HB3)

Dimensions		
	Body length	12.5 m/4x2 solo 27 m (bi-articulated)
	Chassis wheelbase	6,050 mm (axle 1-2)/ 8,375 mm (axle 2-3)/ 7,550 mm (axle 3-4)
	Overhang, front	2,184 mm
	Overhang, rear	3,650 mm
	Chassis width	2,475 mm
Gross vehicle weight (kg)		
	depends on tyres	18,200 kg 39,500 kg
Engine		
	D08	
	E3	
	E4	
	E5	
	E6	
	D20	D20
	E3	228 kW/310 hp; 257 kW/350 hp; 287 kW/390 hp
	E4	
	E5	
Steering arrangement		
	LHD / RHD	RHD
Gearbox		
		ZF 12AS2130/2131
Axle		
	Front axle	Rigid axle / Air suspension
	HA	Hypoid axle / Air suspension
Tyres		
	Front axle/Rear axle	315/80 R22.5
Fuel tank		
	Diesel	300 l / opt. 400 l
Electrical		
	Generators	1x 120 A / opt. 2x 110 A



26.3xx LL FOCNR (HB4)

Dimensions	Body length	13.9 m/22 m (Bus Train 4 axles)
	Chassis wheelbase	6,050 mm (axle 1-2) / 1,350 mm (axle 2-3) / 8,700 mm (axle 3-4) Bus Train
	Overhang, front	2,184 mm
	Overhang, rear	3,750 mm
	Chassis width	2,475 mm
Gross vehicle weight (kg)		
	depends on tyres	26,000 kg / 35,000 kg (Bus Train)
Engine	D08	
	E3	
	E4	
	E5	
	E6	
	D20	D20
	E3	228 kW/310 hp; 257 kW/350 hp
	E4	
	E5	
Steering arrangement	LHD / RHD	RHD
Gearbox		
		ZF 12AS2130/2131
Axle		
	Front axle	Rigid axle / Air suspension
	HA	Hypoid axle / Air suspension
Tyres		
	Front axle/Rear axle	315/80 R22.5
Fuel tank		
	Diesel	300 l / opt. 400l
Electrical		
	Generators	1x 120 A / opt. 2x 110 A



MAN Truck & Bus SE

Postfach 50 06 20
D-80976 München
www.bus.man