



# Euro with EGR 5

## A91 SUE353-F/E5

GVM: 19,000KG DESIGN

### REAR ENGINE, AIR SUSPENDED, BUS & COACH CHASSIS

#### Engine Common Rail Euro 5 EGR

Vertical, water cooled 6 cylinder 4 stroke diesel engine with Common Rail injection, exhaust turbocharger and intercooler, EGR, low noise and environmentally friendly. Replaceable cylinders liners.

#### MAN D 2066 LUH 33 EURO 5

EDC: Electronic Diesel Control System.

Rating to EEC 99/1999

265kW (360Hp) at 1,900rpm

Maximum Torque: 1800Nm at 1,000 – 1,400rpm

Bore: 120mm

Stroke: 155mm

Displacement: 10,518cm<sup>3</sup>

#### Cooling System

Thermostatically controlled, Hydrostatic fan.  
Cooling expansion tank with inspection glass.

#### Intake System

Dry type air filter with restriction indicator and pre-separator.

#### Transmission

ZF 6 speed automatic model 6AP 2000 Ecolife, with integrated retarder and electric pressure modulation.

VOITH DIWA 4 speed automatic model D864.5, with integrated retarder and hydraulic torsional vibration damper.

#### Suspension (Electronic ECAS)

Air suspension with 6 identical rolling seals with integrated elastic stroke limiter.

No. of units	Front	Rear
Air bellows	2	4
Shock absorbers	2	4
Level control valves	1	2
Stabiliser	1	

Electronically controlled constant entrance height and suspension characteristics under all load conditions.

Raising/lowering device – front and rear.

#### Additional price options:

Kneeling facility – left.

Lowering device – front.

Raising device – front.

#### Rear Axle (Disc Brakes)

MAN HY-1336-B

Low-noise hypoid axle.

Axle ratio:

Standard: 4.625

Optional: 4.63, 4.11, 5.57

Axle/suspension design capacity: 13,000 kg.

Optional differential lock.

#### Front Axle (Disc Brakes)

MAN V9-82 SL

Forged rigid axle with deep drop centre.

Axle/suspension design capacity: 8,200 kg

#### Wheels

Standard: 7 x 10-hole disc wheels 8.25 x 22.5-steel.

#### Tyres

Standard: 7 x 295/80R 22.5

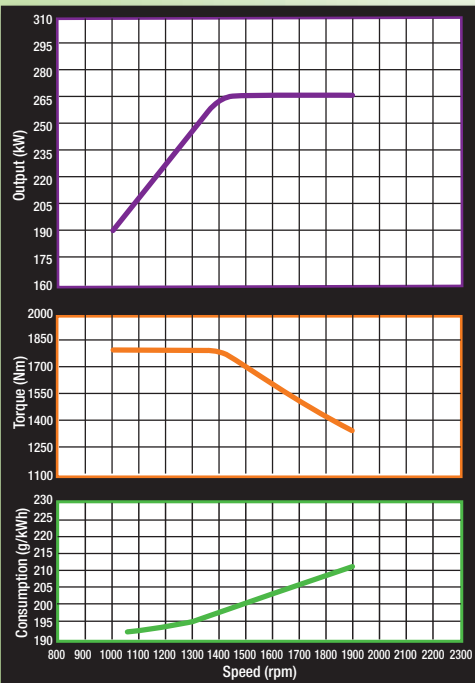
#### Steering

Ball and nut type power steering.

Type: ZF8098

Steering wheel diameter: 460mm

Steering column adjustable for height and rake.



#### Lubrication System

Pressure lubrication via gear pump.

#### Engine Oil Cooler

Integrated in engine lubrication system.

### MAN Automotive Imports Pty Ltd

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Telephone: 07 3271 7777 • Facsimile: 07 3271 2720 [www.man.com.au](http://www.man.com.au)



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**DIESEL**



## Brake System Components

Asbestos-free brake linings.  
Brake lines of plastic (stainless steel in engine area).  
Brake lining wear indicators and inspection holes.

## Engine Brake

Automatic transmission: Integrated retarder. Water cooled with electric pressure modulation.

## Frame

Bolted ladder-type frame made up of U-section main members and cross members.  
Towing device at front and rear.

## Electrical System

Chassis electronics based on CAN bus system for on-board electronics with full diagnostic capability (TEPS) and defined interface for various body electrics version.  
Voltage: 24V.  
Alternator: Bosch 2 x 110A  
Low-maintenance batteries: 2x12V/225Ah.  
Starter: 24V/4kW (5.4hp).  
Main battery switch: electric.

## Performance

**Geared Speed in km/h at 1,900rpm (electronically limited to 100 km/h)**  
**With automatic transmission ZF 6AP 2000 Ecolife**  
**295/80 R22.5 Tyres. Rear axle ratio: 4.625**

Gear:	1st	2nd	3rd	4th	5th	6th	Rev
<b>Gear ratio:</b>	3.36	1.91	1.42	1.00	0.72	0.62	4.24
<b>Speed (km/h)</b>	23.5	41.4	55.3	78.6	109.2	127.8	18.6

100km/h @ 1487rpm

**Transmission Voith 864.5 Sensotop.**  
**Rear axle ratio: 4.625**

Gear:	1st	2nd	3rd	4th	Rev
<b>Gear ratio:</b>	5.9	1.43	1.00	0.70	5.2
<b>Speed (km/h)</b>	13.3	55.0	78.6	112.3	15.1

100km/h @ 1692rpm

## Compressed Air System

Gear-driven compressor with water-cooled cylinder head.  
Bendix air dryer.  
Tyre inflator connection: 1  
Test connections.

## Instruments/Gauges/Devices

Instrument panel with central display (LCD) and intergraded rev counter for monitoring operation and function (on-board diagnosis).  
Optional Electronic tachometer (analog or digital).  
Dual pressure gauge for front and rear axle brake circuits.  
Oil pressure gauge.  
Coolant temperature gauge.  
Fuel gauge.  
Battery charging check lamp.  
Warning flasher system.  
Horn.  
Stalk switch for direction indicators, high beam, headlight flasher and wipe/wash system.  
Speed limited to 100 km/h.  
Cruise control.  
Pulley on engine for air conditioning.

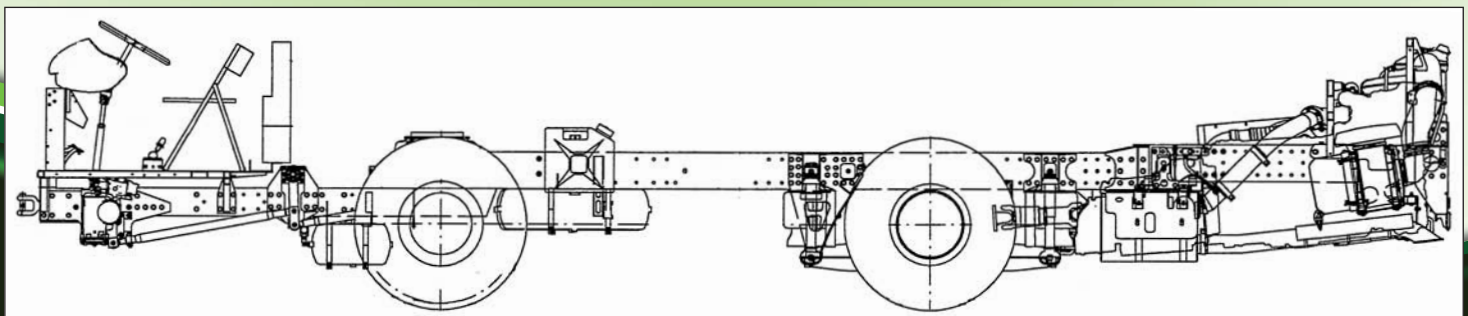
## Chassis Variants

Chassis Design: U-section  
Front Overhang: 2450mm  
Wheel Base: Transport frame (Buggy form)  
Rear Overhang: 3400mm

Centre frame to be constructed by Body Builder as part of body construction and incorporated into the cost of the body price. All construction must comply with ADR (Australian Design Rules) Regulations and Manufactures Chassis/Body Building guidelines.

## Fuel System

Electronic throttle control.  
Fuel tank capacity: 220 litres.  
Number of tanks: 2  
Position of tank: Mounted behind front axle.  
Fuel and water separator: In line.





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## A91 SUE293-F/E5

GVM: 19,000KG DESIGN

### REAR ENGINE, AIR SUSPENDED, BUS & COACH CHASSIS

#### Engine Common Rail Euro 5 EGR

Vertical, water cooled 6 cylinder 4 stroke diesel engine with Common Rail injection, exhaust turbocharger and intercooler, EGR, low noise and environmentally friendly. Replaceable cylinders liners.

#### MAN D 0836 LOH64 Euro 5

EDC: Electronic Diesel Control System.

Rating to EEC 99/1999

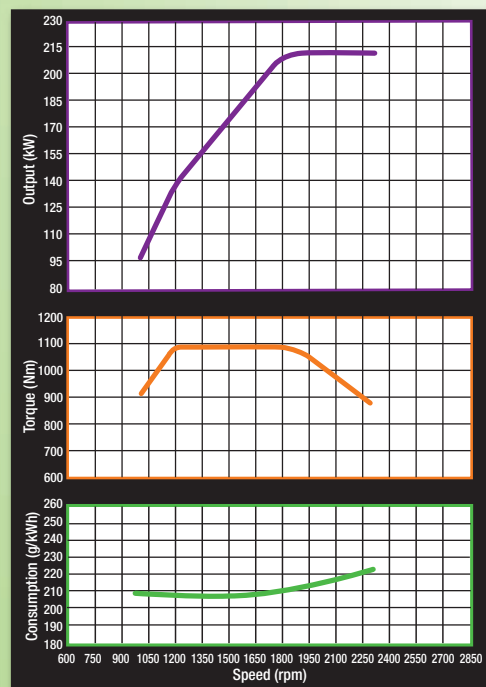
213kW (290Hp) at 2,300rpm

Maximum Torque: 1100Nm at 1,200 – 1,700rpm

Bore: 108mm

Stroke: 125mm

Displacement 6,871cm<sup>3</sup>



#### Lubrication System

Pressure lubrication via gear pump.

#### Engine Oil Cooler

Integrated in engine lubrication system.

#### Cooling System

Thermostatically controlled, Hydrostatic fan.  
Cooling expansion tank with inspection glass.

#### Intake System

Dry type air filter with restriction indicator and pre-separator.

#### Transmission

ZF 6 speed automatic model 6AP 1200 Ecolife, with integrated retarder and electric pressure modulation.

VOITH DIWA 4 speed automatic model D854.5, with integrated retarder and hydraulic torsional vibration damper.

ZF 6 speed 6S 1900 BO synchronous manual transmission with joystick gear change control.

#### Rear Axle (Disc Brakes)

MAN HY-1336-B

Low-noise hypoid axle.

Axle ratio

Standard: 5.57

Optional: 4.63, 4.11

Axle/suspension design capacity: 13,000 kg.

Optional differential lock.

#### Front Axle (Disc Brakes)

MAN V9-82 SL

Forged rigid axle with deep drop centre.

Axle/suspension design capacity: 8,200 kg

#### Wheels

Standard: 7 x 10-hole disc wheels 8.25 x 22.5-steel.

#### Tyres

Standard: 7 x 295/80R 22.5

#### Steering

Ball and nut type power steering.

Type: ZF8098

Steering wheel diameter: 460mm

Steering column adjustable for height and rake.

#### Suspension (Electronic ECAS)

Air suspension with 6 identical rolling seals with integrated elastic stroke limiter.

No. of units	Front	Rear
Air bellows	2	4
Shock absorbers	2	4
Level control valves	1	2
Stabiliser	1	

Electronically controlled constant entrance height and suspension characteristics under all load conditions.

Raising/lowering device – front and rear.

**Additional price options:**

Kneeling facility – left.

Lowering device – front.

Raising device – front.

#### Brake System (Electronic EBS)

Service brake: Electronic brake system EBS (including ABS, TCS).

Dual circuit air brake system to ADR directives by Wabco.

Front axle: Disc brakes.

Rear axle: Disc brakes.

Automatic brake adjustment on both axles.

Auxiliary and park brake: Spring

Linkageless spring-loaded air brake acting on drive axle.

Manual actuating value.

Disc brake pad wear indicator.

Electronic brake wear harmonisation system

Mechanical release possible on pressure drop.

Bus stop brake for urban operation actuated by lever on instrument panel.

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## Brake System Components

Asbestos-free brake linings.  
Brake lines of plastic (stainless steel in engine area).  
Brake lining wear indicators and inspection holes.

## Engine Brake

Manual transmission with hydraulic retarder option.  
Automatic transmission: Integrated retarder. Water cooled with electric pressure modulation.

## Electrical System

Chassis electronics based on CAN bus system for on-board electronics with full diagnostic capability (TEPS) and defined interface for various body electronics version.  
Voltage: 24V.  
Alternator: Bosch 2 x 110A  
Low-maintenance batteries: 2x12V/225Ah.  
Starter: 24V/4kW (5.4hp).  
Main battery switch: electric.

## Performance

**Geared Speed in km/h at 2,300rpm (electronically limited to 100 km/h)**  
**With automatic transmission ZF 6AP 1200 Ecolife.**  
**295/80 R22.5 Tyres. Rear axle ratio: 5.57:1**

Gear:	1st	2nd	3rd	4th	5th	6th	Rev
<b>Gear ratio:</b>	3.36	1.91	1.42	1.00	0.72	0.62	4.24
<b>Speed (km/h)</b>	23.5	41.4	55.6	79.0	109.7	127.4	18.6

100km/h @ 1800rpm

**With manual transmission ZF 6S 1900 BO. 295/80 R22.5 Tyres**  
**Rear axle ratio: 4.11:1**

Gear:	1st	2nd	3rd	4th	5th	6th	Rev
<b>Gear ratio:</b>	6.32	3.62	2.15	1.37	1.00	0.81	5.81
<b>Speed (km/h)</b>	16.9	29.6	49.8	78.2	107.1	132.2	18.4

100km/h @ 1740rpm

**Transmission Voith D854.5. 295/80 R22.5 Tyres. Rear axle ratio: 5.57:1**

Gear:	1st	2nd	3rd	4th	Rev
<b>Gear ratio:</b>	6.2	1.43	1.0	0.70	5.2
<b>Speed (km/h)</b>	12.7	55.2	79.0	112.9	15.2

100km/h @ 2040rpm

## Frame

Bolted ladder-type frame made up of U-section main members and cross members.  
Towing device at front and rear.

## Compressed Air System

Gear-driven compressor with water-cooled cylinder head.  
Bendix air dryer.  
Tyre inflator connection: 1  
Test connections.

## Instruments/Gauges/Devices

Instrument panel with central display (LCD) and intergraded rev counter for monitoring operation and function (on-board diagnosis).  
Optional Electronic tachometer (analog or digital).  
Dual pressure gauge for front and rear axle brake circuits.  
Oil pressure gauge.  
Coolant temperature gauge.  
Fuel gauge.  
Battery charging check lamp.  
Warning flasher system.  
Horn.  
Stalk switch for direction indicators, high beam, headlight flasher and wipe/wash system.  
Speed limited to 100 km/h.  
Cruise control.

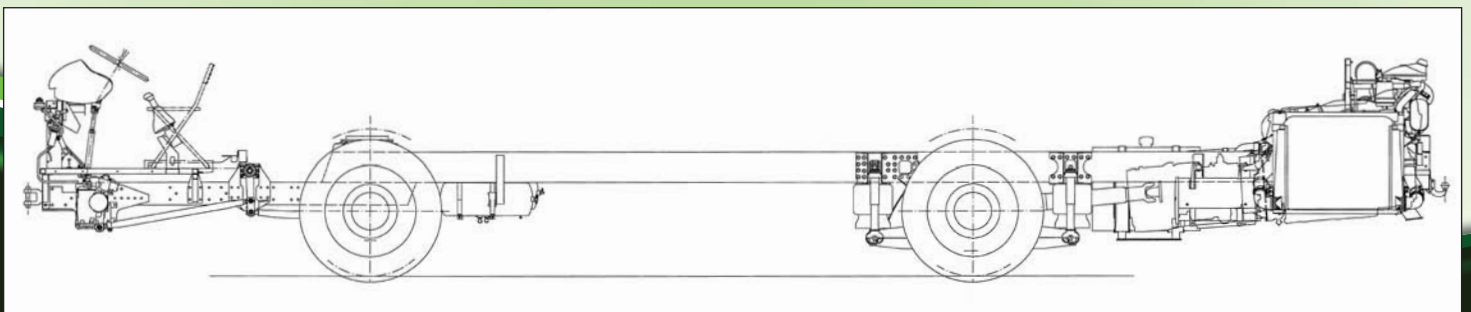
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## Fuel System

Electronic throttle control.  
Fuel tank capacity: 220 litres.  
Number of tanks: 2  
Position of tank: Mounted behind front axle.  
Fuel and water separator: In line.





**Majestic Motorhomes** have available the 2011 Man Euro 5 chassis ready to build your dream **Motorhome**.

Orders are now being taken for the Majestic **“Ultimate”** Motorhome. Stocks are due to arrive in Australia Mid February 2011 and building will commence from then. The Euro 5 model has the Ultimate in horse power of 360.

Features ZF 6 speed auto 6AP 1200 Ecolife with integrated retarder.

Front and Rear axle disc brakes

Suspension (Electronic ECAS)

Electronic EBS

All the bells and whistles of a new vehicle but you decide on the fit out.

**Contact Us**

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