



ENGINE

Type: IVECO CURSOR 8 mounted longitudinally at rear.
VGT Turbocharged (air-air) with intercooler, water cooled,
4 stroke diesel cycle. Electronically-controlled injection pump.
6 cylinders in line, 4 valves by cylinder.
Decompression engine brake.

Bore X Stroke: 115 x 125 mm.
Total displacement: 7790 cm³.
Max. power output: 243 kW (330hp).
Max. torque: 1500 Nm 1080 - 1920 rpm.

Gassy emissions comply with ADR80/03 (Euro 5).
Radiator and fan located on the rear overhang on the left-hand side;
longitudinal position hydrostatic operation.
Cruise control; integrated with speed limiter.
Gear driven power steering compressor and pump with recirculating
ball power steering.
Double cartridge fuel filter. Fuel pre-filter with manual pump and water
separator.
Large capacity air filter with blockage warning.
Manual start and cut-out in engine compartment.
Optional: EEV.

TRANSMISSION

6 Speed Automatic ZF 6HP604C

1st 3.43:1	5th 0.83:1
2nd 2.01:1	6th 0.59:1
3rd 1.42:1	Reverse 4.84:1
4th 1.00:1	

Retarder

Hydraulic integrated in gearbox, foot pedal controlled.
Driver lever controlled.

AXLES

Front: Independent Front Wheels ZF RL75E designed for air suspension.

Rear: Single reduction stress-bearing axle MC13 165.
ZF6HP604C standard ratio: 4.56.

SUSPENSION

Full air suspension. Continuous automatic set-up correction, regardless
of load conditions.

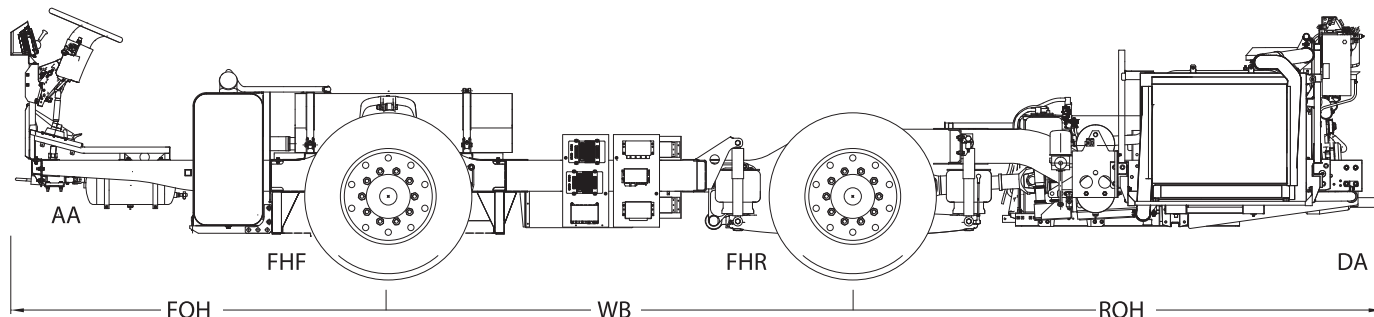
Standard suspension set-up for high bodied vehicles.

- Electronic controlled air suspension.
- Suspension adjustment for lifting/lowering.

Front axle: 2 air cushions, 2 dual-effects shock absorbers with 1 levelling
valve; each wheel unit fixed by lower/upper triangular reaction bars and
one anti-roll bar.

Rear axle: 4 air cushions, 4 dual-effect shock absorbers, one anti-roll bar
and 2 levelling valves. Parallelogram-shaped section for fixing the axle to
the chassis, with 2 lower longitudinally-positioned reaction bars and 2
upper reaction bars in a "V" configuration.





BRAKES

Service and Emergency Brakes

Dual circuits, one per axle. Foot brake acts on all wheels.
 Front & Rear axle: Disc, pneumatic; braking surface area 816 x 2cm².
 Brake wear sensor on pads/linings – both axles.
 Emergency braking by division of 2 circuits.
 EBS.

Parking Brake

Spring actuators on rear wheels, pneumatically controlled.
 Acts as an emergency brake if needed.
 Mechanical release in the event of failure.

Emergency Brake

Acts on that part of the service brake, front or rear, which is not affected by the failure.

Air System

630cm³ twin cylinder compressor.
 Operating pressure 8.5 bar.
 Air dryer with regulator; centrifugal decanter.
 3 x 25L tanks and 1 x 5L tank.

WHEELS AND TYRES

Steel Disc Wheels 8.25 x 22.5".

Tyres: 295/80 R 22.5.

Optional: Alloy rims.

DRIVE / STEERING

Recirculating ball power steering, type ZF 8098.
 Steering wheel diameter 470mm, adjustable for height and rake.

CHASSIS

In stress bearing steel.
 Constant width side members shaped above the front and rear axles, with above and below welded to an adjustable central structure.
 Suitable for modular bodies, with the possibility of setting the wheelbase from 5900mm to 6900mm.

ELECTRICAL

Supply Voltage 24 V; Batteries 2 x 12 V - 180 Ah.
 Starter motor 4.5 kW.
 2 Alternator 90 - 90 A (28 V).
 Fuse protected circuits, electromagnetic battery cut-out, power socket in rear compartment, provision for preventing operation when the doors are open.
 Central switch for emergency control.
 Anti-corrosion, water/dust proof connecting elements.
 • 2 alternator 140 - 80 A (28V).
 • 2 batteries 220 Ah.

MISCELLANEOUS

Electronic tachograph for 2 drivers (EC).
 Fuel tank: 2 x (260 + 240L) - total 500L.
 AdBlue tank: 60L.

CHASSIS DIMENSIONS (Dimensions in mm)

	Chassis
Wheelbase (WB)	3000
Chassis length (OAL)	8620
Chassis width	2486
Front overhang (FOH)	2340
Rear overhang (ROH)	3280
Overhang angles	> 7°
Bodied wheelbase	5900 - 6900
Bodied length	11400 - 13000
Bodied width	2500 - 2550
Bodied floor height	800 - 1600
Maximum slope	> 18°

WEIGHTS (Weights in kg)

Front axle	7100
Rear axle	12600
GVM	19000
Chassis tare	5636

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