

ENGINE

Cummins ISC 05 80/02 8.3L turbocharged engine with (air-air) intercooler, water cooled, 4 stroke diesel cycle, 6 cylinders in line, EDC control.

Non SCR, Non EGR.

260Hp ADR 80/02 Emission.

Total displacement: 8300cm³.

Maximum output: 194 kW (260hp) at rpm 2200.

Maximum torque: 1085Nm (800 lbs./ft) @ 1200-1600 rpm.

Optional:

300hp.

Total displacement: 8300cm³.

Maximum output: 224 kW (300hp) at rpm 2000.

Maximum torque: 1166Nm (860 lbs./ft) @ 1300-1600 rpm.

TRANSMISSION

Automatic Allison World Series T350R Fully auto 5 speed with torque converter and integrated hydraulic retarder.

1st 3.49:1

2nd 1.86:1

3rd 1.41:1

4th 1.00:1

5th 0.75:1

6th (optional) 0.65:1

Reverse 5.03:1

FRONT AXLE

IVECO 5876 Forged steel I beam.

REAR AXLE

Meritor MC11-165 fully floating single reduction 5.38:1.

FRONT SUSPENSION

Hendrickson HAS60 Five link system with two air springs, anti roll bar, heavy duty shock absorbers and single height control valve.

REAR SUSPENSION

IVECO 4 air spring with anti roll bar and heavy duty shock absorbers.

- vehicle lifting front and rear, lowering at front, electronic control air suspension: ECAS (electronic set up adjustment, kneeling device, vehicle lifting and lowering).

BRAKES

Service

ABS

Ventilated 4 wheel disc brakes: 430mm.

Dual circuit air system.

Total lining area: 8376cm.

510L/min compressor.

Parking brake

Rear wheel spring actuated with modulated control interlock facility on park brake & secondary brake circuit.

Reservoirs

Brakes

62L. 2 tanks mounted outboard.

Suspension: 52L. 2 tanks.

Air dryer.

WHEELS AND TYRES

10-stud steel disc wheels 8.25 x 22.5"

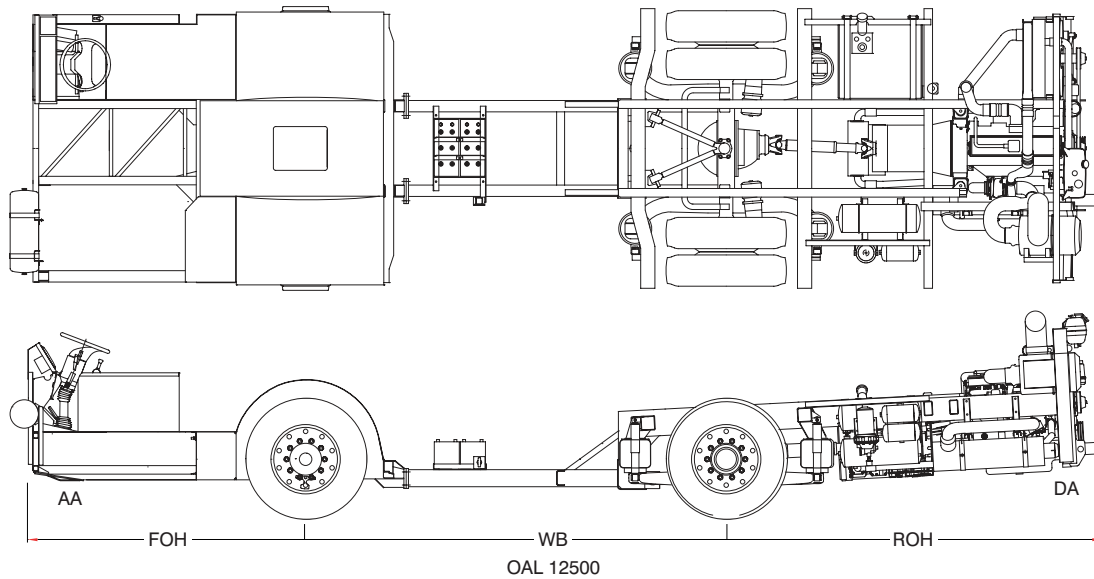
PCD 335mm

Michelin XZU 3 Tyres 295/80 22.5

Optional:

Aluminium disc wheels 8.25 x 22.5"





FRAME

Powder coated high strength, low alloy steel channel.

DRIVE / STEERING

Power steering, type Sheppard M110.
Steering wheel: Diameter 465 mm.
Steering wheel lock on column.

ELECTRICAL

Rated supply voltage 24 V.
Batteries 2 x N150 Capacity 800 CCA each.
150 amp alternator - Option: 2nd alternator.
Temporary battery carrier.

COOLING SYSTEM

Engine and charge air cooler radiators located to the RHS of chassis. Thermostatically controlled viscous fan.
Capacity: 51L.

INSTRUMENTATION

Gauges

Fuel level, dual air pressure, engine water temp, electronic speedo & tacho, odometer, engine hour meter, voltmeter and engine oil pressure.

Warning lights

Battery charge, low air-pressure, turn indicator hazard lights, high beam, park brake, engine fault, automatic transmission fault, retarder on and fault, stop engine fault, wait to start, engine protection fault, low power steering fluid and cruise control on.

Warning buzzer

Low air-pressure, low water level indicator, turn indicators, reverse gear.

STANDARD FEATURES

Adjustable height and rake steering column.
Rear mounted remote engine start/stop switch.
Cruise control.
406mm Donaldson dry element engine air cleaner with remote mount restriction indicator.

PERFORMANCE

Top speed 100 Km/h with speed limiter.

FUEL TANK

300L tank located to the RHS.
Self priming system.

CHASSIS DIMENSIONS (Dimensions in mm)

	Short Chassis	Long Chassis
Wheelbase (WB)	5100	6500
Chassis Length (OAL)	12200	12500
Chassis Width	2380	2380
Front overhang (FOH)	2400	2400
Rear overhang (ROH)	3055	3280
Front track	2013	2013
Rear track	1803	1803
Overall width	2403	2403
Bodied wheelbase	Dependent upon body builder	
Bodied length	10900 - 12200	12500
Bodied width	2500	2500
Bodied floor height	Dependent upon body builder	
Frame height front	884	884
Frame height rear (FHR)	919	919
Approach angle (AA)	8.8°	8.8°
Departure angle (DA)	7.8°	7.8°

WEIGHTS (Weights in kg)

Front axle	7500	7500
Rear axle	11000	11000
GVM	18500	18500
Chassis tare	5843	5843

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