



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

Spicer I 140 rigid designed for air suspension.

REAR AXLE

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

FRONT SUSPENSION

Wide stance low profile air suspension with heavy duty shock absorbers located outbound and dual height control valves.

REAR SUSPENSION

Neway AD123 airbag suspension with heavy duty shock absorbers and single height control valve.

BRAKES

Service

Dual air system S-cam.

Front drum: 419 x 152mm.

Rear drum: 419 x 178mm.

Total lining area 5330cm.

510L/min compressor auto slack adjuster.

Parking brake: mechanical spring actuator with air control and emergency locking device on the rear wheels.

Optional: ABS.

Reservoirs

Brakes

62L. 2 tanks mounted inboard.

Suspension and auxiliary.

54L. 2 tanks mounted inboard.

Midland Berg triple action air dryer/oil filter.

WHEELS AND TYRES

10-stud steel disc wheels 8.25 x 22.5"

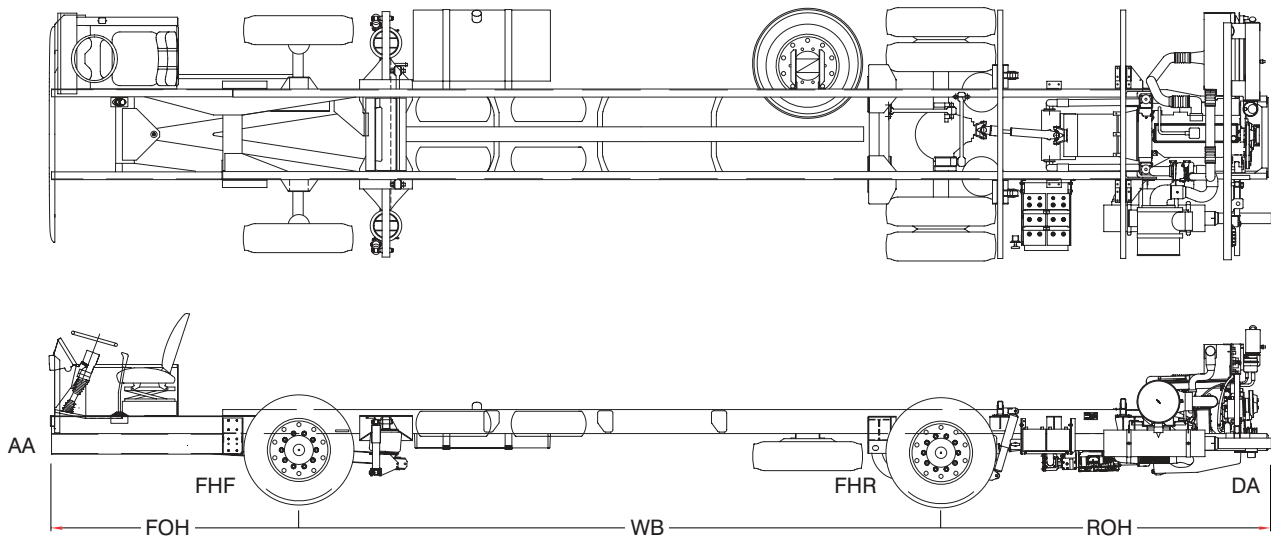
PCD 335mm

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 500 mm.
Steering wheel lock on column.

ELECTRICAL

Rated supply voltage 24 V.
Batteries 2 x N150 Capacity 800 CCA each.
150 amp alternator.

COOLING SYSTEM

Engine and charge air cooler radiators located to the RHS of chassis. Thermostatically controlled fan with two speed magnetic on/off clutch drive.
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

KAB air suspension drivers seat.
Adjustable height and rake steering column.
Fixed battery carrier and isolation switch.
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	6200
Chassis Length (OAL)	10058	11800
Chassis Width	2403	2403
Front overhang (FOH)	2041	2400
Rear overhang (ROH)	2912	3200
Front track	2013	2013
Rear track	1803	1803
Overall width	2403	2403
Bodied wheelbase	Dependent upon body builder	
Bodied length	10900	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)	11°	11°
Departure angle (DA)	7°	7°

WEIGHTS (Weights in kg)

Front axle	6630	6630
Rear axle	11000	11000
GVM	17630	17630
Chassis tare	5592	5592

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