



### ENGINE

Cummins ISLe5 ADR 80/03 8.9L turbocharged engine with (air-air) intercooler, water cooled, 4 stroke diesel cycle, 6 cylinders in line, EDC control.  
SCR, Non EGR.  
340Hp Euro5 Emission.

**Total displacement:** 8900cm<sup>3</sup>.  
**Maximum output:** 250 kW (340hp) at 2100 rpm.  
**Maximum torque:** 1500Nm (1106 lbs./ft) @ 1100-1700 rpm.

### TRANSMISSION

Automatic Allison World Series T390R. Fully auto 6 speed with torque converter and integrated hydraulic retarder.

1st 3.49:1	5th 0.75:1
2nd 1.86:1	6th 0.65:1
3rd 1.41:1	Reverse 5.03:1
4th 1.00:1	

### AXLES

**Front:** IVECO 5876 Forged steel I beam.

**Rear:**

Axle 1: Meritor MC11-165 fully floating single reduction 5.38:1.  
Axle 2: Rigid IVECO 5876 steering tag axle.

### SUSPENSION

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

**Rear:**

Axle 1: 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).

Axle 2: 2 air spring, 2 heavy duty shock absorbers and leveling valve.

### BRAKES

**Service**

**EBS**

Ventilated disc brakes to all wheels: 430mm.

Dual circuit air system.

510L/min compressor.

Parking brake

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

**Reservoirs**

**Brakes**

60L. 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.

**Tyres:** 295/80 22.5 Goodyear UrbanMax.

**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**

Brake system pressure - primary & secondary, vehicle speedometer with lcd display, coolant temperature, engine rev counter, fuel level, urea level.

**LCD Display**

Odometer, hourmeter, voltage, engine oil pressure, trip distance, fuel consumption, fuel economy, diagnostic messages from engine transmission & abs, transmission oil level & temperature.

**Warning Lights**

Engine low oil pressure, engine warning, stop engine fault, wait to start, cruise control on, check transmission fault, retarder on and overheat fault, abs failure, traction control, air suspension failure & warning, park brake applied, high beam, turn indicators, low power steering fluid, front brake wear, blocked air filter, hazard lights.

**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 MANN dry element engine air cleaner with remote mount restriction indicator.

## PERFORMANCE

Top speed 100 Km/h with speed limiter.

## FUEL TANK

300L tank located over front axle.  
 Self priming system.  
 35 urea on LHS

## CHASSIS DIMENSIONS (Dimensions in mm)

	Chassis
Wheelbase (WB)	7190
Chassis length (OAL)	14250
Chassis width	2400
Front overhang (FOH)	2760
Rear overhang (ROH)	3300
Front track	2034
Rear track	1803
Overall width	2496
Bodied wheelbase	Dependent upon body builder
Bodied length	14500
Bodied width	2500
Bodied floor height	Dependent upon body builder
Frame height front	495
Frame height rear (FHR)	961
Approach angle (AA)	8.8°
Departure angle (DA)	7.8°

## WEIGHTS (Weights in kg)

Front axle	7500
Rear axle 1	11000
Rear axle 2	7500
GVM	26000

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