



ENGINES

CURSOR 13 turbo intercooler electronic common rail with Hi-eSCR system. 6 in-line cylinders. Single block head, four valves per cylinder, light alloy pistons. Total displacement: 12.882 cm³. Bore for stroke: 135 x 150 mm. Water cooling. Dry air filter with safety cartridge.

Max.power(EEC)	368 KW (500 HP) @ 1900 rpm
Max.torque(EEC)	2300 Nm (235 kgm) @ 970 - 1525 rpm
Turbine	VGT(Variable Geometry Turbocharger)

GEARBOX

Manual gearbox **ZF 16S2525TO**, Ecosplit 4 technology with servoshift, 16 synchronised forward speeds + 2 reverse.

On request:

Automated ZF AS-Tronic **16AS2630TO**.



CLUTCH

Single dry plate, diameter 17 $\frac{1}{2}$. Pull type engagement with diaphragm spring. Hydro-pneumatic power steering engagement control, with driven disk wear recovery slave cylinder.



TRANSFER BOX

Mechanical with two ratios. Helical spur gears, mounted on three propeller shafts, engaged with each other. Lockable differential by pneumatic control from driver seat. Air-oil cooler. Transmission ratio 1:1 - 1:1,16. Front/rear torque distribution ratio 1:2,2.



AXLES

FRONT

1st and 2nd axle driving and steering, with double reduction: central by bevel gear, final by planetary gear in wheel hubs.

On request:

Cross-axle differential lock.

REAR

Two driving axles in tandem, with double reduction: central with bevel gear, final by planetary gear in wheel hubs, interaxle and cross-axle differential lock. Tandem linked to the chassis by reaction rods with silentblocks.

On request: Rear-axle ratio 1:4,229; 1:5,009; 1:5,558; 1:6,095; 1:6,588.



SUSPENSIONS

FRONT

Parabolic springs, 3 leaves 26x90 mm, with hydraulic shock absorbers. Standard stabilizer bar on 1st axle.

On request:

Stabilizer bar on 2nd axle.

Reinforced parabolic springs, 4 leaves 26x90 mm (mandatory with 9t version).

REAR

Parabolic springs, swivelling on central pin: 4 leaves 40x100 mm.

Standard stabilizer bar on 4th axle.

On request:

Stabilizer bar on 3rd axle.

Extra-reinforced conventional springs, 10 leaves 25x100 mm.



CHASSIS

Special steel with high tensile strength limit, two flat and parallel side members (width 820 mm.), C section (320x90x10mm), cross members bolted to the frame. R.B.M. (Rail Bending Moment): 202.020 Nm (20.593 Kgm.). Steel front bumpers with headlamp protection grids, front maneuvering hook, rear underrun bar, rubber mud-guard 2nd axle, steel fuel tank capacity 300 litres.



TYRES

FRONT: 13R22,5 156/150 G Single tubeless

REAR: 13R22,5 156/150 G Twin tubeless

Spare wheel on the chassis.

Other Possible combinations:

315/80 R22,5 156/150K

385/65 R22,5 160J (*) + 315/80 R22,5 156/150K

325/95 R24 162/160K (**)(**)

(*) Mandatory with 9 ton front axle load.

(**) Mandatory with rear Kessler axles (opt 400).

Other tyres available, subject to Astra technical office approval.



BRAKES

Front and rear "duo-duplex" self-adjusting wedge type brakes with automatic play take-up. Total net braking surface 12.368 cm². ABS + EBL.

Service brake: Pedal controlled air brake, acting on all wheels. Solo vehicles, two independent circuits, one for 1st and 2nd axle, one for 3rd and 4th axle. Towing vehicles, three independent circuits, one for 1st and 2nd axle, one for 3rd and 4th axle and another for the trailer.

Emergency brake: Incorporated in service brake.

Parking brake: Manual spring-type mechanical with pneumatic control acting on 3rd and 4th axle wheels.

On request:

Hydraulic interarder.

OFF/ROAD button for excluding ABS for speed 15 kph.



ELECTRICAL SYSTEM

Voltage: 24 V

Alternator generator 90 A - 28 V (2520 W).

Accumulators: 2 in series, 180 Ah.

Starter motor 24 V 5,5 kW.

Mechanically controlled electrical circuit breaker.



CAB

Standard white short cab (AD) built in galvanized pressed steel with hydraulic tilting up to 60°. Cab suspension with 4 helicoidal springs with coaxial shock absorbers and integrated dampers, anti-roll bar and end-of-stroke pads. Tinted electric door windows. Internal panels completely washable and fireproof. Rapid pneumatic connection for cab cleaning. 4-speed ventilation and heating system with air recirculation system. Air suspended 3-way adjustable driver seat with seat belts. Mechanical passenger seat with seat belts.