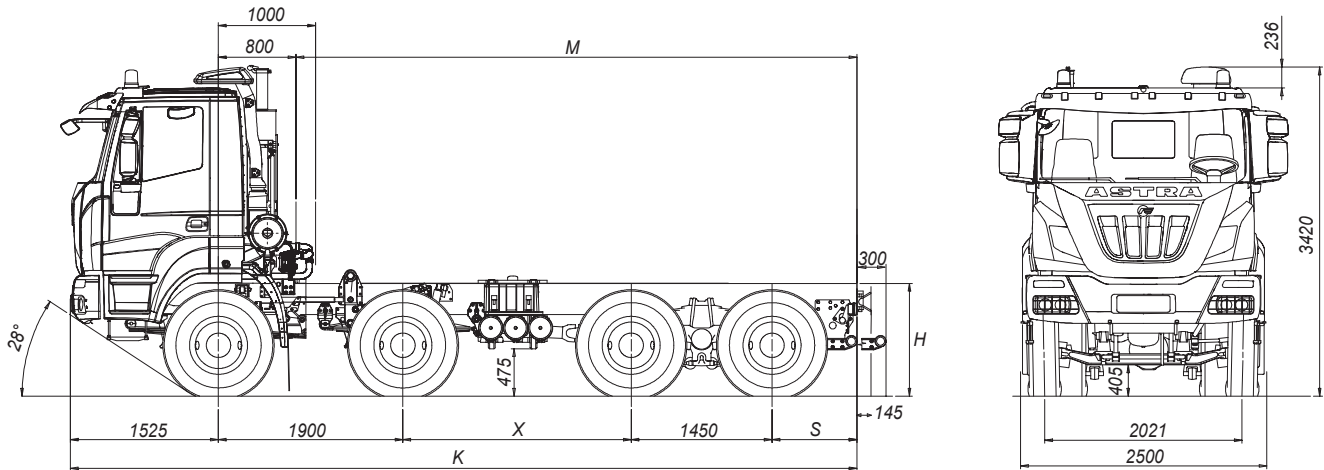




chassis-cab 8x4
84.38 / 84.42 / 84.44 / 84.48 / 84.54



chassis-cab 8x4



EURO 3



DIMENSIONS (mm)

X	K	M max (*)	S	H		TURNING DIAMETER (WALL TO WALL)
				unloaded	loaded	
2350	8425	6100	875-1200-1500	1189	1129	20590
2600	8675	6350	875-1200-1500	1189	1129	21360
2850	8925	6600	875-1200-1500	1189	1129	22140
3100	9175	6850	875-1200-1500	1189	1129	22910
3350	9425	7100	1200-1500	1189	1129	23700
3600	9975	7650	1500	1189	1129	24480
4100	10475	8150	1500	1189	1129	26060
5060	12035	9710	2100	1189	1129	29120

(*) M max.: indicative value calculated in std configuration to be confirmed by bodybuilder.
 Vertical dimensions with standard tyres 13R22.5.



WEIGHTS (kg)

X	Distribution net weight (*)			Max technical weight			
	First axle	Rear axles	Net Weight	First axle	Rear axles	Gross Vehicle Weight	Gross Combination Weight
2350	6700	4120	10820	16000 18000 (1) (2)	32000 (2)	50000 (2)	104000 (3) 130000 (4)
2600	6685	4160	10845				
2850	6670	4195	10865				
3100	6695	4270	10965				
3350	6690	4300	10990				
3600	6670	4365	11035				
4100	6660	4420	11080				
5060	6600	4535	11135				

(*) Weights are referred to standard configuration and include chassis cab (or tractor), driver (75 kg), full fuel tank, tools kit and spare wheel.

(1) With tyres on front axles 385/65R22.5 or 325/95R24 and reinforced springs (OPT).

(2) With tyres 325/95R24 or max speed limited to 70Km/h depending on pneus type and brand.

(3) This value is valid only for ZF Ecosplit 4 manual gearbox. The combination weight is 90.000 kg for ZF As-Tronic automated gearbox and 60.000 kg for Traxon automated gearbox

(4) For manual gearbox with additional parking brake air chambers. Exceptional charge < 5% of the time of use of the vehicle.

Characteristics and equipment are subject to changes without prior notice.

The data shown are indicative and non-binding.



ENGINES

CURSOR 13 turbo intercooler euro 3 diesel injection/cycle with electronic unit injection pumps. Single block head, four valves per cylinder, light alloy pistons. Total displacement: 12.882 cm³. Bore for stroke: 135x150 mm. 6 in-line cylinders. Water cooling. Dry air filter with safety cartridge. Vertical muffler.

	84.38	84.42	84.44	84.48	84.54
Model	Cursor 13				
Max power (EEC)	280 kW (380 HP)	309 kW (420 HP)	324 kW (440 HP)	353 kW (480 HP)	397 kW (540 HP)
Corresponding rpm	1900 rpm				
Max Torque (EEC)	1.800 Nm (183 kgm)	1.900 Nm (194 kgm)	2.100 Nm (214 kgm)	2.200 Nm (224 kgm)	2.350 Nm (240 kgm)
Corresponding rpm	900-1400	1000-1550	900-1470	1000-1500	1.000 - 1.615
Turbine	WG (Waste Gate)		VGT (Variable Geometry Turbine)		



GEARBOX

Manual **ZF Ecosplit 4** technology gearbox with servoshift, 16 synchronised forward speeds + 2 reverse. First/last speed ratio: 13.80/0.84.

On request: Automated **ZF AS-Tronic**, 16 forward speeds + 2 reverse. First/last speed ratio: 14.12/0.83.

Automated **ZF Traxon**, 12 forward speeds + 2 reverse. First/last speed ratio: 12.92/0.77.



CLUTCH

Single dry plate, diameter 17". Pull type engagement with diaphragm spring. Hydro-pneumatic power steering engagement control, with driven disk wear recovery slave cylinder.



AXLES

FRONT:

Steering axles, hot moulding in high tensile steel. Wheel stud protection.

REAR:

Two drive axles in tandem. Double reduction: central with beveled pair, final in the wheel hubs by means of epicyclical assembly. Torque distribution between the axles by means of a distributor fitted on the intermediate axle. Differential lockable from driver seat. Tandem assembled to the chassis by reaction rods with silentblocks.

On request:

Rear-axle ratio 1:3,793; 1:4,229; 1:5,009; 1:5,558; 1:6,095; 1:6,588.



SUSPENSIONS

FRONT:

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

On request:

Stabilizer bar on 2nd axle.

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

REAR:

Parabolic springs, swiveling on central pin: n° 4 leaves 40x100 mm, torque bars and stiffening brackets. Standard stabilizer bar on 4th axle.

On request:

Stabilizer bar on 3rd axle.

Extra-reinforced conventional springs, n° 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:

315/80R22.5 156/150K

385/65R22.5 160J + 315/80R22.5 156/150K

325/95R24 162/160K

Other tyres available, subject to the 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 system.

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: Mechanical spring-type with pneumatic control acting on 3rd and 4th axle wheels.

IVECO BRAKE TURBO engine brake.

On request: Hydraulic additional braking system on transmission (only for automated gearbox).

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



STEERING

ZF 8099 quadrilateral power steering on front axle wheels with variable ratio 1:22.2/1:26.2 with auxiliary cylinder. Circuit with main hydraulic pump on engine and emergency pump on gearbox. Steering rods with self-lubricating joints. Height and inclination mechanical adjustable steering column.



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

White cab 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 and mechanical passenger seat.