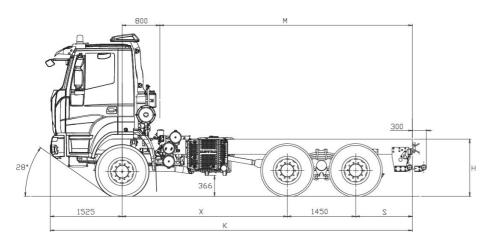
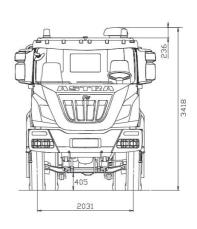




chassis 6x4 HD64.45







DIMENSIONS (MM)

X	К	M max(*)	S	ŀ	1	TURNING DIAMETER
				unloaded	loaded	(wall to wall)
3500	7675	5350	1200	1200	1130	19500
3800	7975	5650	1200	1200	1130	20500
4500	8675	6350	1200	1200	1130	22700

(*) M max.: indicative value to be confirmed by bodybuilder (Tyres 13R22.5)

WEIGHTS (KG)

	Distri	ibution net wei	ight(*)	Max technical weight								
x	First axle Rear axles		Net Weight	First axle	Rear axles	Gross Vehicle Weight	Gross Combinatio n Weight					
3500	5391	4930	10321	8000 9000 (1) (2)	32000 (2)	40000 (2)	104000					
3800	5511	4895	10356	() ()								
4500	5720	4695	10415									

(*) Net weight including driver with tanks filled to at least 90%, equipped with standard equipment according to the manufacturer; specifications and, if fitted, the mass of the bodywork, spare wheels and tool box.

(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.

Higher speeds are allowed with load reductions subject to Astra technical office approval. Other tyres available, subject to Astra technical office approval.



chassis 6x4







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)
 450 KW (332 HP) @ 1900 rpm

 Max.torque(EEC)
 2200 Nm (224 kgm) @ 970 - 1440 rpm

 Turbine
 EVGT



GEARBOX

Manual gearbox, **ZF 16S2220TO** Ecosplit 4 technology with servoshift, 16 syncronised forward speeds + 2 reverse. **On request:** Automated ZF AS-Tronic **16AS2630TO**.

		Speed [kph] calculated at maximum power rpm																	
		Gears / Gear ratios																	
Gearbox model	Rear	lst	2nd	3rd	4th	5th	6th	7th	8th	9th	l 0th	llth	l 2th	l 3th	l 4th	l 5th	l 6th	rev.	rev.
	axle																	lst	2nd
	ratio																		
16AS 2630 TO		14.12	11.68	9.54	7.89	6.52	5.39	4.57	3.78	3.09	2.56	2.09	1.73	1.43	1.18		.83	13.07	10.81
	5.01	5.50	6.64	8.13	9.83	11.90	14.40	16.98	20.53	25.11	30.31	37.13	44.85	54.26	65.76	77.59	93.49*	5.94	7.18
16S 2220 TO		13.8	11.54	9.49	7.93	6.53	5.46	4.57	3.82	3.02	2.53	2.08	1.74	1.43	1.2	1.00	.84	12.92	10.8
	5.01	5.62	6.72	8.18	9.78	11.88	14.21	16.98	20.31	25.69	30.67	37.30	44.59	54.26	64.66	77.59	92.37*	6.01	7.18

(*) Max limited speed 90 km/h. Other speeds available, subject to the Astra technical office approval.



СLUTCH

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



FRONT

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

Double drive axles. Double reduction: crown wheel and pinion centrally and epicyclical group in wheel hubs. 2nd axle with torque distributor to the two rear axles. Lockable differentials from driver seat. Tandem assembled to the chassis by reaction rods with silentblock.

On request:

Rear-axle ratio 1:4,229 Rear-axle ratio 1:5,009 Rear-axle ratio 1:5,558 Rear-axle ratio 1:6,095 Rear-axle ratio 1:6,588



SUSPENSIONS

FRONT

I st axle, parabolic springs, n° 4 leaves 24x90 mm, with hydraulic shock absorbers. Standard stabilizer bar.

On request: Reinforced parabolic springs, n° 5 leaves 24x90 mm. Mandatory with 9 t axle load.

REAR

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

On request: Stabilizer bar on 2nd axle. 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 manoeuvring hook, rear underrun bar, steel fuel tank capacity 300 litres.



ZF 8098 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 pneumatic adjustable steering column.



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. Other twos available subject to Astra tochnical office and

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 9.276 cm2. ABS + EBL.

Service brake: Pedal controlled air brake, acting on all wheels. Solo vehicles, two independent circuits, one for 1st axle, one for 2nd and 3rd axle; 1st category wheels anti-lock system.

Towing vehicles, three independent circuits, one for 1st axle, one for 2nd and 3rd axle and another for the trailer.

Emergency brake: Incorporated in service brake.

Parking brake: Manual spring-type mechanical with pneumatic control acting on 2nd and 3rd axle wheels.

IVECO SUPER ENGINE BRAKE: braking power 463 kW (621 HP).

On request: Hydraulic intarder.

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



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, antiroll 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.