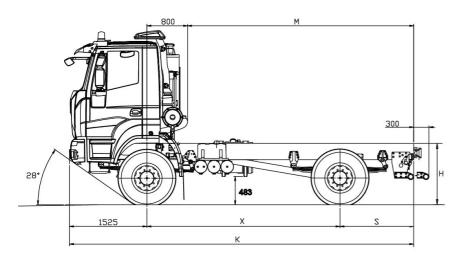
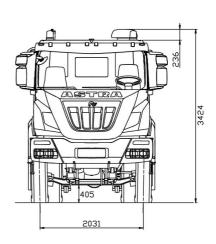


EURO 5



chassis 4x2 HD42.41







DIMENSIONS (MM)

X	K	M max(*)	S	F	1	TURNING DIAMETER				
				unloaded	loaded	(wall to wall)				
3800	6775	4450	1450	1155	1110	15500				
4200	7575	5250	1850	1155	1110	16700				
4600	8375	6050	2250	1155	1110	18000				
5100	8875	6550	2250	1155	1110	19500				

(*) M max.: indicative value to be confirmed by bodybuilder. (Tyres 315/80R22.5)



WEIGHTS (KG)

	Distri	bution net we	ight(*)	Max technical weight							
X	First axle Rear axle		Net Weight	First axle	Rear axles	Gross Vehicle Weight	Gross Combinatio n Weight				
3800	5050	2390	7440	8000 9000 (1)	13000	22000 (2)	55000				
4200	5045	2440	7485	` '							
4600	5055	2515	7570								
5100	5090	2530	7620								

- (*) Net weight including driver with tanks filled to at least 90%, equipped with standard equipment according to the manufacturer's specifications and, if fitted, the mass of the bodywork, spare wheels and tool box.
- (I) With tyres on front axles 385/65R22.5 or 325/95R24 and reinforced springs (OPT).

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

06 - 2019 ENGLISH



CURSOR 13 turbo intercooler diesel injection/cycle with electronic unit injection pumps. 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. Vertical muffler. Emissions according to Euro 5 regulation norms SCR (Selective Catalytic Reduction) system composed of catalytic muffler, AdBlue-tank, injection and control system.

Max.power(EEC) 302 KW (410 HP) @ 1900 rpm

Max.torque(EEC) 2100 Nm (214 kgm) @ 1000 - 1440 rpm

Turbine WASTE GATE



GEARBOX

Manual **ZF 16S2220TO** Ecosplit 4 technology gearbox with servoshift, 16 synchronised forward speeds + 2 reverse:

On request: ZF16S2320TD

		Speed [kph] calculated at maximum power rpm																	
		Gears / Gear ratios																	
Gearbox model	Rear	lst	2nd	3rd	4th	5th	6th	7th	8th	9th	I 0th	llth	I2th	13th	l 4th	I5th	I 6th	rev.	rev.
	axle																	lst	2nd
	ratio																		
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
	4.227	6.41	7.67	9.33	11.16	13.55	16.21	19.37	23.17	29.31	34.99	42.55	50.87	61.90	73.76	88.51	105.37*	6.85	8.20
16S 2320 TD		16.41	13.8	11.28	9.49	7.76	6.53	5.43	4.57	3.59	3.02	2.47	2.08	1.7	1.43	1.19	1.00	15.36	12.92
	4.227	5.39	6.41	7.85	9.33	11.41	13.55	16.30	19.37	24.66	29.31	35.84	42.55	52.07	61.90	74.38	88.51	5.76	6.85

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



CLUTCH

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

On request:

Ceramic clutch 17".



AXLES

FRONT

Steering, hot moulding in high tensile steel.

REAR

Driving axle with double reduction: central with bevel gear, final by planetary gear in wheel hubs. Cross-axle differential lock.

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

Ist axle, parabolic springs, 4 leaves 24×90 mm, with hydraulic shock absorbers. Standard stabilizer bar.

On request:

Reinforced parabolic springs, 5 leaves 24x90 mm (mandatory with 9t version). RFAR

Parabolic springs, 4 leaves 24x90 mm + 1 leaf 50x90 mm, with hydraulic shock absorbers. Standard stabilizer bar.



CHASSIS

Special steel with high tensile strength limit, two flat and parallel side members (width 820 mm.), C section (320x70x8 mm), cross members bolted to the frame. R.B.M. (Rail Bending Moment): 143.149 Nm (14.597 Kgm.). Steel front bumpers with headlamp protection grids, front manoeuvring hook, rear underrun bar, steel fuel tank capacity 300 litres.



TYRES

FRONT: 315/80R22.5 156/150 K Single tubeless REAR: 315/80R22.5 156/150 K Twin tubeless Spare wheel on the chassis.
Other Possible combinations: 13 R22.5 156/150K 385/65 R22.5 160J (*) + 315/80 R22.5 156/150K 325/95R24 162/160K (*)

(*) Mandatory with 9t front axle load.

Other tyres available, subject to the Astra technical office approval.



BRAKES

Front and rear drum brakes, Duo-Duplex with automatic slack adjuster. ABS + EBL system.

Service brake: Pedal controlled air brake, acting on all wheels.

Solo vehicles: two independent circuits, one for 1st axle, one for 2nd axle.

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

Emergency brake: Integrated in service brake.

Parking brake: Mechanical spring-type with pneumatic control acting on 2nd axle wheels

IVECO BRAKE TURBO engine brake: braking power 200kW (272 HP).

On request:

Ist axle immobiliser system.

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



ELECTRICAL SYSTEM

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.



СДВ

Standard white short 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. Mechanical rear view mirrors, wide angle mirrors and front view mirror. Internal panels completely washable and fireproof. Compressed air quick coupling 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.