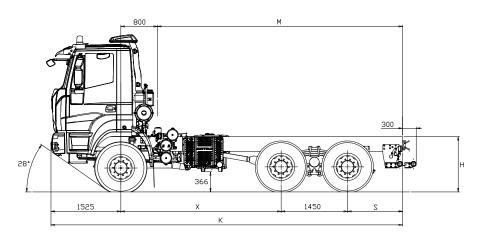
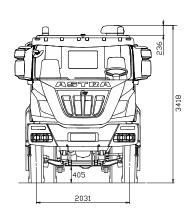


# **EURO 6**



# chassis 6x4 64.50 / 64.56







# **DIMENSIONS** (mm)

v	V	М	c	H TURN		TURNING DIAMETER
^	, K	max (*)	3	unloaded	loaded	(WALL TO WALL)
3500	7675	5350	1000	1191	1129	16800
3800	7975	5650	1200	1191	1129	17800

(\*) M max.: indicative value to be confirmed by bodybuilder

(Tyres 13R22.5)



# WEIGHT (kg)

	Distri	ght (*)			
x	1 <sup>st</sup> axle	2 <sup>nd</sup> + 3 <sup>rd</sup> axle	NET WEIGHT		
3500	5391	4930	10321		
3800	5511	4845	10356		

Max technical weight							
1 <sup>st</sup> a	axle	2 <sup>nd</sup> + 3 <sup>rd</sup> axle	Gross Vehicle Weight	Gross Combination Weight			
8000 8500 (1)	9000 (1) (2)	32000 (2)	40000 (2)	121.500			

- (\*) Weight including oil, fuel, spare wheel, driver 75 kg, with 13R22.5 tyres.
- (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.



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. Viscostatic cooling fan. Dry air filter with safety cartridge.

	64.50	64.56			
Model	CURSOR 13	CURSOR 13			
Max. power (EEC)	368 kW (500 HP)	412 kW (560 HP)			
Corresponding rpm	1.900 rpm				
Max. torque (EEC)	2.300 Nm (235 kgm)	2.500 Nm (255 kgm)			
Corresponding rpm	1.000 rpm				
Turbine	VGT variable geometry				



Manual **ZF 16S2520TO** gearbox, 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																
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	RM1	RM2
	Gear	ratios	13.80	11.54	9.49	7.93	6.53	5.46	4.57	3.82	3.02	2.53	2.08	1.74	1.43	1.20	1.00	0.84	12.92	10.80
ZF16S2530TO	ratio	4.229	6.7	8.0	9.7	11.7	14.2	16.9	20.2	24.2	30.6	36.5	44.4	53.1	64.6	77.0	92.4	110.0	7.2	8.6
253	1	5.009	5.7	6.8	8.2	9.8	11.9	14.3	17.1	20.4	25.8	30.8	37.5	44.8	54.6	65.0	78.0	92.9	6.0	7.2
16S	axle	5.558	5.1	6.1	7.4	8.9	10.8	12.9	15.4	18.4	23.3	27.8	33.8	40.4	49.2	58.6	70.3	83.7	5.4	6.5
ZF	a a	6.095	4.6	5.6	6.8	8.1	9.8	11.7	14.0	16.8	21.2	25.3	30.8	36.8	44.8	53.4	64.1	76.3	5.0	5.9
	Re	6.588	4.3	5.1	6.3	7.5	9.1	10.9	13.0	15.5	19.6	23.4	28.5	34.1	41.5	49.4	59.3	70.6	4.6	5.5

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



### On request:

Gearbox	ZF 16S2520TO	Max. torque	Application			
P.T.O.	Ratio	Nm	Application			
ZF NH/1b	0,91/1,09:1	1000	For tipping unit pumps, pumps for cranes, ecc			
ZF NH/1c	0,91/1,09:1	1000	For tipping unit pumps, unit pumps for concrete, pumps for cranes, ecc			
ZF NH/4c	1,17/1,40:1	430	For tipping unit pumps, ecc			
ZFN221/10+NL/1c	1,75/2,09:1+0,91/1,09:1	560+600	double PTO for concrete pumps			

**ZF NMV 221 Power take-off** (ratio 0,98:1) max available torque 2000 Nm for concrete pumps. **Power take-off Multipower** (ratio 1,29:1) max available torque 900 Nm for concrete mixers.



Single dry plate, diameter 17". Pull type engagement with diaphragm spring.

Hydro-pneumatic power steering engagement control, with driven disk wear recovery slave cylinder.



#### **FRONT**

Steering, hot moulding in high tensile steel.

Wheel stud protection.

#### REAF

Double drive axles.

Double reduction: crown wheel and pinion centrally and epicyclical group in wheel hubs.

2<sup>nd</sup> 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**

 $1^{\text{st}}$  axle, parabolic springs,  $n^{\circ}$  4 leaves 24x90 mm, with hydraulic shock absorbers.

Standard stabilizer bar.

### On request:

Reinforced parabolic springs,  $n^{\circ}$  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 2<sup>nd</sup> 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. **On request:**

Rapid pneumatic connection for tyre inflation.

Rear underrun bar in set back position.

Extra long underrun bar for concrete mixer.

Rear manoeuvring hook.

Rear automatic towing hook.

Rubber mudguards on 2<sup>nd</sup> and 3<sup>rd</sup> axle.



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

Spare wheel on the chassis.

### Other Possible combinations:

TYRES	ASSE	MBLY		
TTRES	FRONT	REAR		
12.00 R20 156/150G	S	D		
315/80 R22,5 156/150K	3	U		
385/65 R22.5 160J (*)	S			
315/80 R22,5 156/150K		D		
325/95 R24 162/160K (*)	S	D		

S single

**D** double

(\*) Mandatory with 9 ton front axle load.

Other tyres available, subject to Astra technical office approval.



# **PNEUMATIC SYSTEM**

Two-cylinder 630 cc compressor, APU (Air Processing Unit) that includes: regulation valve set at 10.3 bar, drier, 4-way safety valve, pressure reduction valve for parking circuit and services. 3 air tanks, capacity 30 litres + 2 with 20 litres. ABS system and EBL (Electronic Brake Limiter).



# **BRAKES**

Front and rear "duo-duplex" self-adjusting wedge type brakes with automatic play take-up.

Total net braking surface 9.276 cm<sup>2</sup>. ABS + EBL.

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

Emergency brake: Incorporated in service brake.

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

IVECO SUPER ENGINE BRAKE engine brake:

HD9 500/560 HP braking power 463 kW (621 HP).

## On request:

Hydraulic intarder.

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



### **STEERING**

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.

02-2016 ENGLISH



Engine oil sump (and filters)	28 (+ 2,5)
Gearbox oil	14,5
Power steering oil	8,5
Cab tipping oil	1
Clutch circuit oil	
Integral PTO oil	3
Intermediate axle with final red. oil	27
Rear axle with final red. oil	16
Cooling system water	33
Diesel	300
AD Blue	50



# **ELECTRICAL SYSTEM**

Voltage: 24 V

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

Accumulators: 2 in series, 170 Ah.

Starter motor 24 V 5,5 kW.

Mechanically controlled electrical circuit breaker.

Anti-block system ABS with 4-conduits and 4-electric valveselectronic system.

Phonic wheels and sensors on 1st and 3rd axle.

1 electrical joint 7-pole(ISO 7638) for trailer ABS(if applicable).

1 electrical joints 15-pole(ISO 12089-4091) for trailer lighting (if applicable).

Headlamp geometry corrector.

Electrical provision for outfitters.

Provision for diagnostics.

Provision for radio/cb (without speakers)

Glow plug for cold start.

### On request:

Reverse alarm;

Electric main current cut-off switch.



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.

### On request:

Air conditioning with anti-pollen filter

Cab rear window.

Car radio RDS, CD.

Car radio RDS, CD with steering wheel controls

Car radio RDS, CD, MP3 Bluetooth technology.

External sun visor.

Heated and electric powered rear view mirrors.

Remote controlled and centralized closing of doors.

Roof hatch.

Rotating lights on top of the cab.



### INSTRUMENTATION

Dashboard and ergonomic instrument board contain the function buttons and the identification commands.

Indicator lights: engine oil low pressure, alternator charging low, main beam lights, side lights, engine warm-up, rear fog light, hazard lights, tractor turn indicators, trailer turn indicators (if applicable), rotating lights,cab lifted,axles differential locked, differential lock, front brakes air pressure low, rear brakes air pressure low, trailer brakes air pressure low (if applicable), parking brake engaged, splitter (reduction on), slow speeds (1-4/9-12), power take-off on (if applicable) air filters clogged, power steering oil level low, rear view mirrors heated (if applicable), tractor ABS, trailer ABS (if applicable), main steering circuit failure, steering auxiliary circuit failure, low ureas' level.

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**DEALER** 

Characteristics and equipment are subject to changes without prior notice.