

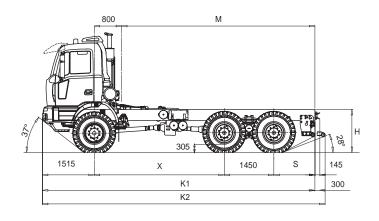
Heavy - Heavy Duty

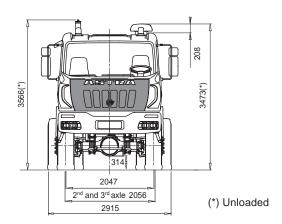


G.V.W. 50.000 kg

EURO 3

Chassis 6x6 66.48 / 66.54





TYRES 14.00R20





DIMENSIONS (mm) short cab

wheelbases	х	K 1	K2	М	s	S ON REQUEST	Н		TURNING DIAMETER	
×						ON KEGOEST	UNLOADED	LOADED		
С	3800	7965	8265	5650	1200			1260	21470	
D	4100	8265	8565	5950	1200	1500-1900	1320		22730	
Е	4500	8665	8965	6350	1200	1500-1900	1320	1200	24420	
F	4750	9615	9915	8815	1900	1900			25480	



WEIGHT (kg)

bases	Distril	oution net we	ight (*)	Max. technical weight							
wheel	1 st axle	2 nd +3 rd axle	2nd+3rd axle 2nd+3rd axle 2nd+3rd axle		Gross Vehicle weight	Gross Combinat. weight					
С	6280	5740	12020								
D	6410	5634	12044		40000	50000 ^(**)	120000				
Ε	6590	5530	12120	10000	40000	20000, ,	120000				
F	6650	5540	12190								

^(*) Weight including oil, fuel, spare wheel, driver Kg. 75

^(**) Only at max vehicle speed of 70 Km/h



CURSOR 13 turbo intercooler euro 3 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. Viscostatic cooling fan. Dry air filter with safety cartridge. Vertical muffler.

	66.48	66.54*		
Model	FPT Cursor F3B	FPT Cursor F3B		
Max. power (EEC)	353 kW (480 HP)	397 kW (540 HP)		
Corresponding rpm	1.900	1.900		
Max. torque (EEC)	2.200 Nm (224 kgm)	2.350 Nm (240 kgm)		
Corresponding rpm	1.000-1.440	1.000-1.690		
Turbine	VGT variab	le geometry		

^{*}Requires additional engine radiator, for extremely hot climate (>42°c).



GEARBOX

Manual gear **ZF 16 S 2520 TO** with servoshift, 16 synchronised forward speeds + 2 reverse **On request: Automatic gearbox Allison HD 4700** with closed loop adaptive shifts, 7 forward speeds + 1 reverse. Torque converter TC-561. Stall torque ratio 1.58. Cab-mounted shift selector lever.

				Speed [kph]at maximum power rpm - Tyres 14.00R20																
				Gears																
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	RM	RM
T0	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
2520	Rear axle ratio with transfer	1:7,290	4,7	5,7	6,9	8,3	10,0	12,0	14,3	17,2	21,7	25,9	31,5	37,7	45,8	54,6	65,5	78,0	5,1	6,1



P.T.O.

On request:

Gearbox	ZF16S2520TO	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



P.T.O. CHELSEA only for automatic gearbox Allison HD4700

Gearbox	HD 4700	Max. torque	Application				
P.T.O.	Ratio	Nm.	Application				
859 XGF JP-5	1,08:1	780	For higher performance, 30t windlass				
277 XGF JP-D5XY	1,47:1	407	For standard application, tipping unit pumps, cranes, ecc				



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.



TRANSFER ZF STEYR VG 2700

Mechanical with two ratios. It consists of a series of helical spur gears, mounted on three shafts, engaged with each other. Differential lockable by pneumatic control.

Transmission ratio: 0:913 - 1,407
Front torque distribution ratio: 1,0
Rear torque distribution ratio: 2,6



SUSPENSIONS

FRONT

Parabolic springs with bushings, **5 leaves 24x90 mm**. Hydraulic shock absorbers and standard stabilizer bar. **REAR**

Parabolic springs, swivelling on central pin: 5 leaves 40x100 mm. Supplemented by torque bars and stiffening brackets. Stabilizer bar on the 3^d axle.



AXLES

FRONT

Driving and steering type for max technical weight 10.000 kg, with double reduction, central with pinion-crown wheel, side by means of epicycloidal assembly in wheel hubs.

On request:

Differential lockable by pneumatic control from driver's seat. **REAR**

Two driving axles in tandem for max technical weight 40.000 kg. Double reduction: central with bevelled pair, final in the wheel hubs by means of epicycloidal assembly.

2nd axle with distributor for torque distribution between the two axles.

Differential lockable by pneumatic control from driver's seat. Tandem assembled to the chassis by reaction rods with silentblock. Rear-axle ratio 1:7.29



CHASSIS

In steel with high elasticity limit consisting of two flat parallel side members (width 820 mm.) with C section (320x90x10 mm), jointed by nailed R.B.M. (Rail Bending Moment) cross members: 202.020 Nm (20.593 Kgm). Front bumpers in steel with headlamp protection grids, front manoeuvring hook, rear underrun bar, steel fuel tank, capacity 300 litres.

On request

Rapid attachment for compressed air for tyres'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 2nd and 3rd axle.

Front bumper climbing step



STEERING

Hydraulic power steering ZF 8099 with variable ratio 1:22.2/1:26.2, with auxiliary cylinder. Hydraulic pump flanged to engine. Steering linkage with self lubricating floating joints. Emergengy steering pump:

- On gearbox with mechanical gearbox;
- On transfer-box with automatic gearbox.

Mechanically adjustable steering wheel for height and angle.



TYRES

FRONT: 14.00R20 Pirelli P S 22 Single tubeless **REAR:** 14.00R20 Pirelli P S22 Twin tubeless

Spare wheel on the chassis.



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 "simplex", rear "duo-duplex" self-adjusting wedge type brakes with automatic play take-up. Anti-block system ABS. **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.

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

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

IVECO BRAKE TURBO engine brake:

braking power 255 kW (347 cv)

On request:

Hydraulic intarder.

1st axle immobiliser system.

OFF/ROAD button for excluding ABS



ELECTRICAL SYSTEM

Voltage: 24 V

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

Accumulators: 2 in series, 170 Ah.

Starter 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).

Electrical provision for outfitters.

Provision for diagnostics.

Provision for radio/cb (without speakers)

Glow plug for cold start.

On request:

220 Ah accumulators;

170 Ah tropicalised accumulators;

Reverse alarm;

Electrically controlled main current circuit breaker.



CAB

White cab with hydraulic tipping. Built in moulding fiberglass with tubular steel armature. Tested on the most demanding off road routes.

Cab suspension with guiding arms, 4 helicoidal springs, double action shock absorbers, anti-roll bar and end-of-stroke pads. Collapsible first step. Beacon lights on cab roof. Internal panels completely washable and fireproof. 4-speed ventilation and heating system with air recirculation system. Electric power windows on driver and passenger doors. Driver seat with pneumatic suspension and seat belt. Fixed passenger seat with seat belts. Tinted athermic windows. Steering wheel adjustable in hight and slope with mechanical control.

On request:

Additional central seat;

Air conditioning;

Anti-fog lights;

Cab rear window;

Car radio RDS, CD;

Car radio RDS, CD, MP3, Blue Tooth technology;

Centralized closing of the doors with remote control;

Compressed air quick coupling for cab cleaning;

External sun visor.

Heated and electric powered rear view mirrors;

Long cab version;

Metallic colour cab;

Non-metallic colour cab;

Roof hatch.



SERVICE DATA(I)

Engine oil sump and filters	28
Gearbox oil	11
Power steering oil	18
Cab tipping oil	1
Transferer oil	10
Front axle with final red. oil	22,5
Intermediate axle with final red. oil	21,5
Rear axle with final red. oil	22,5
Diesel	300



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), ABS, trailer ABS (if applicable), main steering circuit failure, steering auxiliary circuit failure.

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