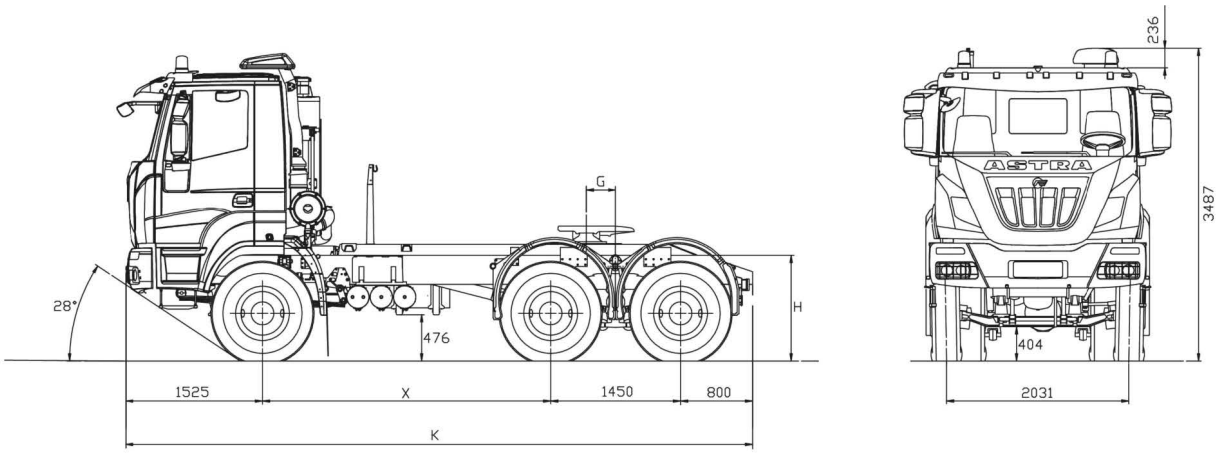
Tractor 6x4
HD64.42T



DIMENSIONS (mm)

X	K	M max(*)	S	H		TURNING DIAMETER (wall to wall)
				unloaded	loaded	
3200	7375	5050	1200	1198	1131	15900
3500	7675	5350	1200	1198	1131	16800
3800	7975	5650	1200	1198	1131	17800
4100	8275	5950	1200	1198	1131	18700

Weight and dimensions with std tyres 13 R22.5. (1) Standard fifth wheel position. In case of different positioning needs, the quote may change in relation with the technical GVW of the vehicle. Values to be confirmed in combination with the semitrailer.

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
3200	4860	4730	9590	8000 9000 (1)	32000 (2)	40000 (2)	104.000
3500	4890	4730	9620				
3800	4930	4740	9670				
4100	4950	4745	9695				

(*) 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.
(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.

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Astra reserves the right to make any changes at any time and without notice.

05 - 2020
ENGLISH

ENGINES

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)	309 KW (420 HP) @ 1900 rpm
Max.torque(EEC)	1900 Nm (194 kgm) @ 900 - 1500 rpm
Turbine	with waste gate valve

GEARBOX

Manual **ZF 16S2220TO** Ecosplit 4 technology gearbox with servoshift, 16 synchronised forward speeds + 2 reverse:
On request: ZF16S2320 TD - ZF 16S2630 TO

CLUTCH

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

AXLES

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 1:3.793
Rear-axle ratio 1:4,229
Rear-axle ratio 1:5,009
Rear-axle ratio 1:5,558
Rear-axle ratio 1:6,095

SUSPENSIONS

FRONT
1st 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. Spot and side alighting step, rubber mudguards on 2nd and 3rd axles, toolbox. With fifth wheel fixing plate and without subframe and fifth wheel.
On request:
Subframe with fifth wheel fixing plate
Fifth wheel

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.

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 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 255 kW (342 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.

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