



## Fagioli SpA confirms its confidence in ASTRA

Piacenza, February 10<sup>th</sup> 2022

The close cooperation between ASTRA and the prestigious Italian company Fagioli S.p.A., top international player in heavy haulage transport, continues to be successful. The Company has re-confirmed its trust in the ASTRA Brand purchasing two new HD9 86.56 ballast tractors homologated for a towing capacity of 250 ton each. This delivery completes a former supply of two other HD9 heavy haulage tractors last year, a sign of customer satisfaction with Astra.

The 4 ASTRA HD9 tractors are in axle configuration 8x6, powered by a Euro VI Cursor engine rated at 560 HP and driven by a 7-speed fully automatic Allison 4700 transmission with hydraulic retarder, ideal for its top performance in heavy haulage transport. The hydraulic converter allows flexible engine/transmission connection for an uninterrupted engine power to the wheels, which means smooth drive, effortless shifting, and precise traction control.

This state-of-the-art driveline includes a powerful transfer box that allows to switch from an 8x4 into an 8x6 axle configuration, and a reinforced drive axle with disc brakes.

ASTRA vehicles are used by Fagioli SpA for rather demanding heavy haulage transportation of components related to the Energy and Oil & Gas sectors on the Italian territory. Specifically, these are items weighing several hundred tons that are carried on modular transporters and pulled by the ASTRA tractors.

**Rudy Corbetta, Marketing & Communication Officer from Fagioli SpA** says: *"We have chosen ASTRA for its high power performance, the great maneuverability and the ease of use, which stands for road safety and not only for our drivers engaged in heavy haulage transports"*.

**Vittorio Cravero, ASTRA Sales Director** declared: *"We are proud that Fagioli SpA has reconfirmed its trust in our Company by choosing to order two additional ASTRA heavy haulage tractors, appreciated everywhere for their high performance in terms of robustness and reliability. My wish is that the collaboration with this prestigious firm, leader in the heavy haulage sector, can continue over time"*.

I V E C O • G R O U P

PRESS RELEASE

Fagioli has been operating for more than 60 years as a leading world Company in transport and handling operations of heavy components and international project logistics. In recent years the continuous investments in personnel and equipment led the Company to be most appreciated in the lifting and transport of heavy structures with increasingly complex and innovative approaches both in the design and in the operational phase. Specialized in complete door-to-door projects, heavy transport/lifting operations and project logistics activities, the Company owns one of the largest fleets of equipment to meet the new challenges in the main markets of reference at a global level such as: Energy (renewable and not); Oil & Gas and Off-shore plants; the Civil installations; Shipbuilding and Heavy Industry in general.



*ASTRA is a brand of Iveco Group N.V. ASTRA designs, manufactures and markets a wide range of construction, mining, oil & gas and heavy haulage off-road vehicles. It develops robust, reliable and versatile trucks that include heavy duty vehicles of over 60-ton gross vehicle weight and specialized vehicles. These vehicles are customized to meet specific client needs and are built to operate in challenging and remote work sites such as quarries and mines the world over.*

*More information can be found on the website: [www.astra-trucks.com](http://www.astra-trucks.com)*

*Iveco Group N.V. (MI: IVG) is a global automotive leader active in the Commercial & Specialty Vehicles, Powertrain, and related Financial Services arenas. Each of its eight brands is a major force in its specific business: IVECO, a pioneering commercial vehicles brand that designs, manufactures, and markets heavy, medium, and light-duty trucks; FPT Industrial, a global leader in a vast array of advanced powertrain technologies in the agriculture, construction, marine, power generation, and commercial vehicles sectors; IVECO BUS and HEULIEZ, mass-transit and premium bus and coach brands; Iveco Defence Vehicles, for highly-specialised defence and civil protection equipment; ASTRA, a leader in large-scale heavy-duty quarry and construction vehicles; Magirus, the industry-reputed firefighting vehicle and equipment manufacturer; and IVECO CAPITAL, the financing arm which supports them all. Iveco Group employs approximately 34,000 people around the world and has 29 manufacturing plants and 31 R&D centres. Further information is available on the Company's website: [www.ivecogroup.com](http://www.ivecogroup.com)*

*For more information contact:*

*Astra Press Office*

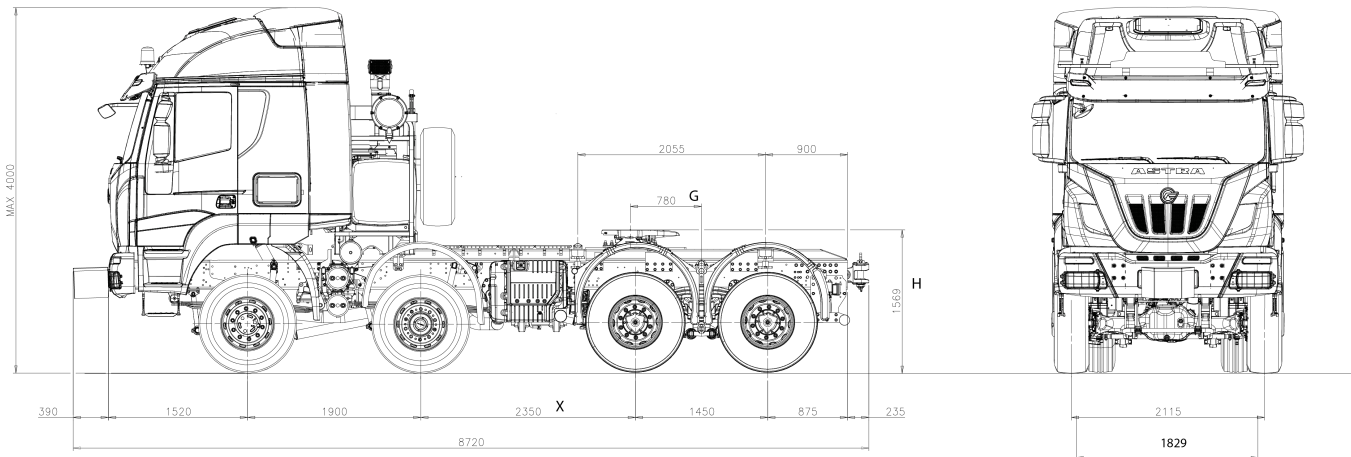
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chassis 8X6 heavy haulage  
**HD86.56T\_HH**



Tyres 385/65 R22,5 + 315/80 R22.5)

**WEIGHTS (KG)**

| X    | Distribution net weight(*) |            |            | Max technical weight |            |                      |                          |
|------|----------------------------|------------|------------|----------------------|------------|----------------------|--------------------------|
|      | Front axles                | Rear axles | Net Weight | Front axles          | Rear axles | Gross Vehicle Weight | Gross Combination Weight |
| 2350 | 10630                      | 5070       | 15700      | 18000 (1)            | 32000 (2)  | 48000 (2)            | 250000                   |

(\*) 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 and reinforced springs (OPT).

(2) With max speed limited to 70Km/h for motor vehicle and 62,5 Km/h with coupled semitrailer (or trailer).

The data shown are indicative and non-binding. Payload and vehicle dimension data must always be verified during final testing. Do not use the drawing in the present sheet to design the equipment. Astra reserves the right to make any changes at any time and without notice.





## 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 cm<sup>3</sup>. Bore for stroke: 135 x 150 mm. Water cooling. Dry air filter with safety cartridge.

|                 |                                     |
|-----------------|-------------------------------------|
| Max.power(EEC)  | 412 KW (560 HP) @ 1900 rpm          |
| Max.torque(EEC) | 2500 Nm (255 kgm) @ 900 - 1575 rpm  |
| Turbine         | VGT(Variable Geometry Turbocharger) |

## GEARBOX

Fully automatic transmission with hydraulic retarder, 7 speeds forward + 1 reverse.



## TRANSFER BOX

Engageable, mechanical with two ratios. Helical spur gears, mounted on three propeller shafts, engaged with each other. Lockable differential by pneumatic control from driver seat. Air-oil cooler. Transmission ratio 1:0,913 - 1:1,407. Front/rear torque distribution ratio 1:2,6.



## AXLES

### FRONT

1st reinforced axle driving and steering, with double reduction: central by bevel gear, final by planetary gear in wheel hubs. 2nd axle in high tensile pressed steel, steering, not driving.

Cross-axle differential lock.

### REAR

Two driving axles in tandem, with double reduction: central with bevel gear, final by planetary gear in wheel hubs, interaxle and cross-axle differential lock. Tandem linked to the chassis by reaction rods with silentblocks.

Rear-axle ratio:1:6,095



## SUSPENSIONS

### FRONT

Reinforced parabolic springs, 4 leaves 26x90 mm, with hydraulic shock absorbers. Stabilizer bar on 1st axle.

### REAR

Parabolic springs, swivelling on central pin: 4 leaves 40x100 mm. Stabilizer bar on 4th axle.



## 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 maneuvering hook, rear underrun bar, rubber mud-guard 2nd axle, steel fuel tank capacity 300 + 600 litres.

Fifth wheel: Jost JSK50 3,5" Type N (mm 190).

Heavy duty towing hooks installed on specific reinforced frame crossbars.



## BRAKES

Front disc brakes and rear drum brakes, Duo-Duplex with automatic slack adjuster. ABS + EBL. The device limits the speed to 62,5 Km/h with coupled semitrailer and to 70Km/h for motor vehicles.

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

Solo vehicles, two independent circuits, one for 1st and 2nd axle, one for 3rd and 4th axle.

Towing vehicles, three independent circuits, one for 1st and 2nd axle, one for 3rd and 4th axle and another for the trailer.

**Emergency brake:** Integrated in service brake.

**Parking brake:** Manual spring-type mechanical with pneumatic control acting on 3rd and 4th axle wheels. Additional parking brake air chambers.

**IVECO SUPER ENGINE BRAKE:** decompression type.



## STEERING

ZF 8099 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.



## 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

Sleeper cab (AT) 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. 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. Cab heater. Air suspended 3-way adjustable driver seat with red seat belts.

Mechanical passenger seat with red seat belts. Extensible rotating beacons on top of the cab,



## PUSH & PULL SYSTEM

Multipolar cable.

Front and rear pneumatic coupling for braking system.



## TYRES

**FRONT:** 385/65 R22,5 Single tubeless

**REAR:** 315/80 R22,5 Twin tubeless

Spare wheel on the chassis.

Other possible combinations:

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

Индикативно предложение по проведени пазарни консултации №48714  
с предмет "Доставка на влекач за превоз на тежки и извънгабаритни товари"

от БУЛАТО БЪЛГАРИЯ АД, ЕИК: 203540847, тел.0888-633-775, boyadzhiev@bulauto.com, Светлозар Бояджиев -  
Изпълнителен директор  
/наименование на участника, ЕИК, адрес, телефон, ел. поща, лице за контакт, длъжност/

| № по ред              | ID на Възложителя | Описание и технически характеристики на предлаганото изделие  | М.е.       | К-во     | Ед. цена без ДДС      | Стойност без ДДС      |
|-----------------------|-------------------|---|------------|----------|-----------------------|-----------------------|
| 1                     | 48714             | <i>влекач за превоз на тежки и извънгабаритни товари, марка ASTRA , модел HD9 86.56T</i>  | <i>бр.</i> | <i>1</i> | <i>715,000.00 лв.</i> | <i>715,000.00 лв.</i> |
|                       |                   | <i>съгласно Техническо задание 21.ЕП-2.ТЗ.901, със следните отклонения:</i>   |            |          |                       |                       |
|                       |                   | <i>Обем на двигател: 12 882 см3</i>   |            |          |                       |                       |
|                       |                   | <i>Мощност 560 к.с.</i>   |            |          |                       |                       |
|                       |                   | <i>Без наличие на ESP система, която не е приложима при транспорт на товари с тегло 250 тона и скорост на движение от 15 км/ч</i> |            |          |                       |                       |
| Обща стойност без ДДС |                   |   |            |          |                       | <b>715,000.00 лв.</b> |

Срок на доставка

Условие на доставка

Гаранционен срок

Производител

Съпроводителна документация при доставка

Документ за представителство

**9 (девет) месеца**

**Франко територия на АЕЦ Козлодуй ЕАД**

**36 месеца или 150 000км/3000 м/ч**

**Astra Veicoli Industriali S.p.A., Италия**

**Съгласно т.5.9. от Техническо задание 21.ЕП-**

**2.ТЗ.901**

**През април'2022 дружество Булавто България**

**АД предстои да подпише пълноправен дилърски**

**договор за България с производителя Astra**

**Veicoli Industriali S.p.A., Италия**

Подпис:

/Светлозар

Заличено на  
основание ЗЗЛД

23.03.2022г

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