

# IVECO MAGIRUS

## CHASSIS

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**IVECO**  
**MAGIRUS**

# THE RIGHT CHASSIS FOR EVERY OPERATION

With the new IVECO MAGIRUS Fire-Fighting chassis, IVECO once again is setting the standards for chassis for Fire Fighting and Catastrophe Protection Units. There is no other application that has higher demands relating to the individual application and the design of the chassis. It is fairly obvious that IVECO as one of the world's leading commercial vehicle manufacturers therefore offers Fire Brigades a comprehensive and complete chassis-concept.



The **Daily** as market leader in the light commercial vehicles range, is the ideal basis for operational vehicles between 2.8 and 6.5 tonnes total vehicle weight. The Daily carries loads like a truck but handles like a car.

For many years, the **EuroCargo** has been among the most successful and comprehensive chassis-series of all. With the introduction of the new EuroCargo the well known reliability, economy and environmental friendliness has again been increased.

The **Stralis** embodies leading commercial vehicle technology and a perfect combination of form and function. The **Trakker** combines the robustness of the IVECO MAGIRUS building vehicles with excellent driving comfort and first class performance.



# IVECO MAGIRUS DAILY: READY TO SHOULDER EVERYTHING.

The Daily is not a transporter like any other. It is a light commercial vehicle with the driving comfort and handling of a car. This combination makes the Daily the ideal partner for Fire Brigades.

Included in the series equipment are:

- Driver Airbag
- Power steering
- Anti-Block System brakes ABS with Electrical Braking force Distribution EBD and Automatic Brake Differential ABD
- Optional: All-wheel drive, e.g. Achleitner System



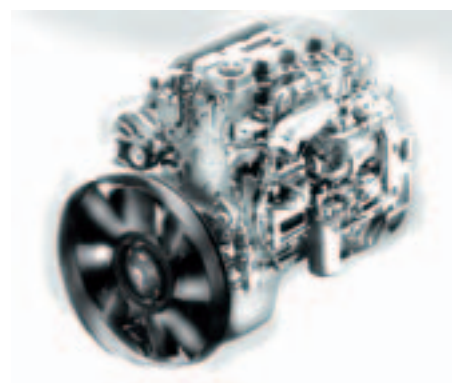
## Daily: To your assignment in safety

The sturdy chassis frame made of high tensile steel ensures more robustness, reliability and particularly long service life: properties which differentiate the **Daily** from many other transporters. The **Daily's** innovative front suspension makes it exceptionally manoeuvrable: without any reduction in safety or driving comfort being involved. The large payload of the **Daily** is the envy of the competition.

Whether standard driver's cab or double cab in all-steel body – all variants are easily accessible, roomy and comfortable.

The 4 doors included as standard with the double cab are ideal for transporting personnel. Entry and exit from either side is practicable without problem.

The engines of the **Daily** series are certainly up to the demands of "daily" operations. High torques, which are available over a wide range, enable a speedy drive to your assignment while at the same time offering excellent comfort and low exhaust emissions.



The 3.0 HPT engine is new in our programme. With its 166 HP when driving you need few gear changes allowing yourself time to concentrate on your duties during the operation.

As an option we can supply the automatic transmission AGile: this not only effectively eases the driver's job but also protects the vehicle itself.

# IVECO MAGIRUS

## EURO CARGO – STRALIS – TRAKKER:

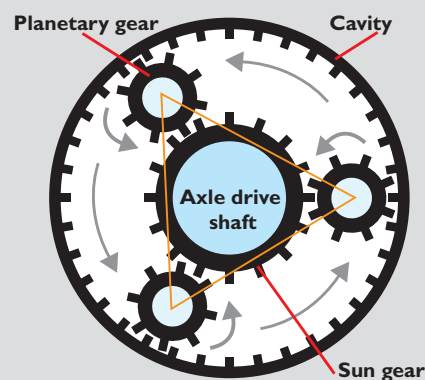
### THREE SERIES – READY FOR ACTION.

Every year many thousands of assignments and training journeys confirm that IVECO chassis are more than suited to the growing demands of every day fire brigade work. Therefore, based on their tried and tested series-production chassis, IVECO developed adaptations for the special demands of operational transport. Special test tracks and areas are available for testing the chassis and superstructures.



◀ Standard for all all-wheel chassis:  
The steel protection plate for protecting the radiator and oil sump as well as the robust steel bumper bars

#### Sketch of system – planetary wheel drive



#### ADM: Makes every driver into an expert

ZF Steyr supplies IVECO with the new **ADM Automatic Drive-train Management**. The system increases the driving safety of every chassis substantially and makes the driver's job considerably easier by automating all functions along the drive train.

Even adaptation of the drive train to the current road conditions is carried out automatically by the ADM.

The ADM is available as an option for every IVECO all-wheel drive chassis from 9.5 tonnes upwards.

#### Permanent all-wheel drive with planetary axles as standard

This unique all-wheel drive system makes the driver's life a lot easier and ensures more traction.

From 9.5 tonnes upwards planetary axles with hub reduction are supplied as standard.

That means:

- **more ground clearance**
- **less wear on the drive components**

The front axle is always engaged with the same speed of rotation as the rear axle. This ensures safe driving even on the road and for more traction when changing to off-road surfaces because the vehicle is always "pulled through the curve".

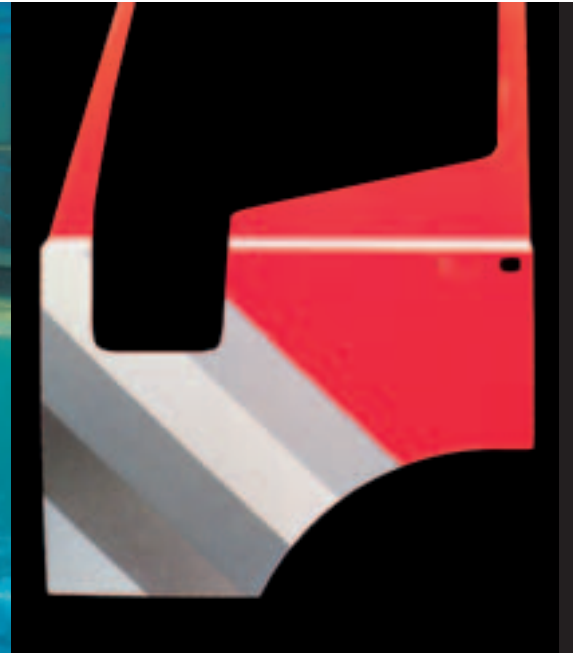


Same track width and single tyres are possible (partially optional). You don't need to accept any compromises relating to handling, payload and driving comfort.

IVECO MAGIRUS does not deliver any subsequently retro-fitted commercial vehicles but assembles a genuine all-wheel operational vehicle starting from the very beginning!

# QUALITY FROM THE BOTTOM UP: A UNIFIED CREW CAB – FROM THE CHASSIS MANUFACTURING PLANT.

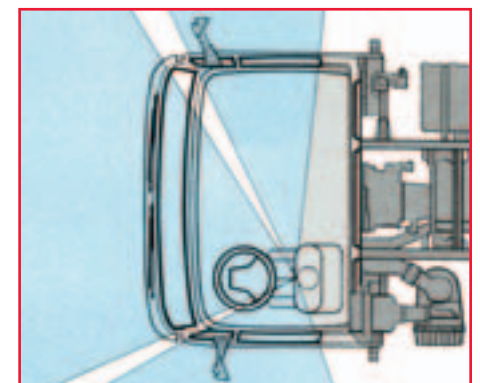
First class quality is completely guaranteed from IVECO MAGIRUS and therefore it is also self-evident that the vehicle cabs easily match up to the highest demands. Manufactured completely from steel, the MAGIRUS fire brigade cabs are unique in their own way. The cataphoretic immersion bath and a multi-coat painting process ensure an optimum corrosion protection. The cab is tipped hydraulically and supported on silent-blocks.



The excellent cab insulation ensures an effective noise protection. The powerful heating and ventilation system makes for a pleasant, independently-controlled air circulation in the interior. Thanks to the many ventilation nozzles onto the screen you will always have no fogging and an ice-free view.

As well as today's design and sophisticated aerodynamics, the cab offers generous window areas and therefore an exceptionally good all-round vision for the driver and passengers. The generous height and width create lots of room for the crew; the low-cut windows in the front doors make optimum view possible even onto

areas around the vehicle which are otherwise difficult to see. Electrically adjustable and heated exterior mirrors complete the all-round comfort.

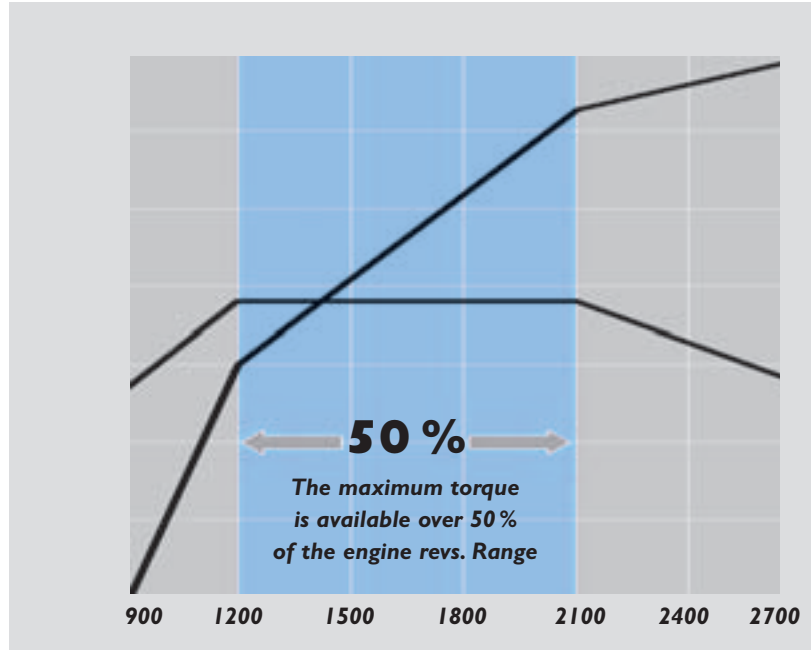


# EVERYTHING RUNS LIKE A CLOCKWORK.

An especially robust frame of high-tensile fine-corn steel is a guarantee for maximum stability and long operational life. For operational tactical uses of the vehicle, the payload advantages of the IVECO MAGIRUS chassis are important:

Because the lighter the chassis, the more extinguishing agent quantities, equipment or crew can be taken along on an assignment.

More and more, fire fighting vehicles are in operation away from metalled roads. Therefore the IVECO chassis are conceived so that the superstructures are mounted on a sub-frame in a distortion-free way and thus remaining capable of all functions even in extreme terrain. Roller-shutters and equipment pull-outs can be operated without any limitations.

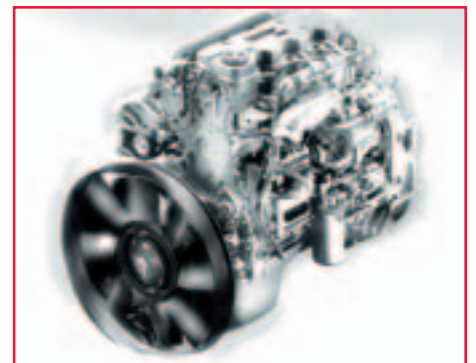


## Strength and reliability : The winning combination

IVECO engines are the basis of success. The “heart of steel” in every IVECO vehicle provides reliable high performance which is uniquely available over a wide range of revs.

It's not the theoretical peak values which count but a ‘fewer-gear-changes’ driving style with low noise intrusion and low exhaust emissions.

*IVECO engines supply highest flexibility with maximum torque in the widest range of 1,200 rev / min up to 2,100 rev / min*



4 CYLINDER				
	E13	E15	E17	
Nominal performance	95 kW	110 kW	125 kW	
Max. Torque	430 Nm	490 Nm	560 Nm	
6 CYLINDER				
	E18	E21	E24	E28
Nominal performance	134 kW	154 kW	176 kW	202 kW
Max. Torque	570 Nm	680 Nm	810 Nm	930 Nm

# TAKE YOUR SEATS – GO!

For fire fighting vehicles, seating comfort is an often underestimated aspect of the operational ergonomics. A good all-round view due to individually adjustable seat heights is just as important as the easy unproblematic access to the operating elements on the dashboard. A steering column which is angle-adjustable, a driver's seat which is adjustable in the height and the pragmatic arrangement of the fire fighting special equipment and functioning parts complete the "comfort package" in the IVECO cab.



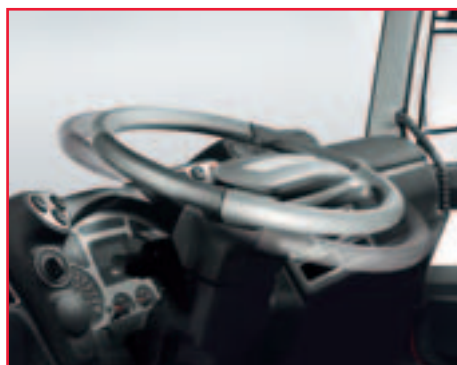
## Modern Instruments

The new design of the driver's cab offers "more" in every way:

- More quiet due to additional sound insulation
- More information called up for the driver on the electronic monochrome LCD display
- More storage room due to further compartments and trays
- More overview due to powerful spot lights in the entry area
- More switches which are operable in gloves
- More seating space due to the fire brigade double bench seat

## In short:

- More comfort – More safety – More fire fighting capability.



# IVECO MAGIRUS CHASSIS



The new IVECO MAGIRUS Fire Fighting chassis continue IVECO's great tradition in the manufacturing of exceptionally good chassis for the special requirements of Fire Brigades, Catastrophe Protection Units and Rescue Organisations.

The driver's and the squad's comfort, state of the art technology in environmentally friendly design as well as the best performance, robustness and long life have been given pride of place in the design.

From there an operational vehicle has emerged that is, suitable for operating under the most difficult conditions to protect or rescue people, animals, the environment and valuable possessions.

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