



**IVECO
MAGIRUS**



Airport fire-fighting is one of the biggest and most complex challenges that fire brigades have to meet. As the helpers' partner, IVECO MAGIRUS has been supplying fire-fighting vehicles and equipment for many decades now – systems that not only guarantee effective assistance, but also make conditions safer, easier and more predictable in day-to-day operations. Time and again, innovations from IVECO MAGIRUS have set new standards for the entire industry. Special fire brigade chassis, revolutionary superstructure systems, innovative cab solutions, state-of-the-art pump technology and impressive all-wheel concepts: these are a few of the reasons why airport fire brigades all over the world also rely on IVECO MAGIRUS. And in future we'll continue to stay one step ahead – and always right where we belong: at your side.

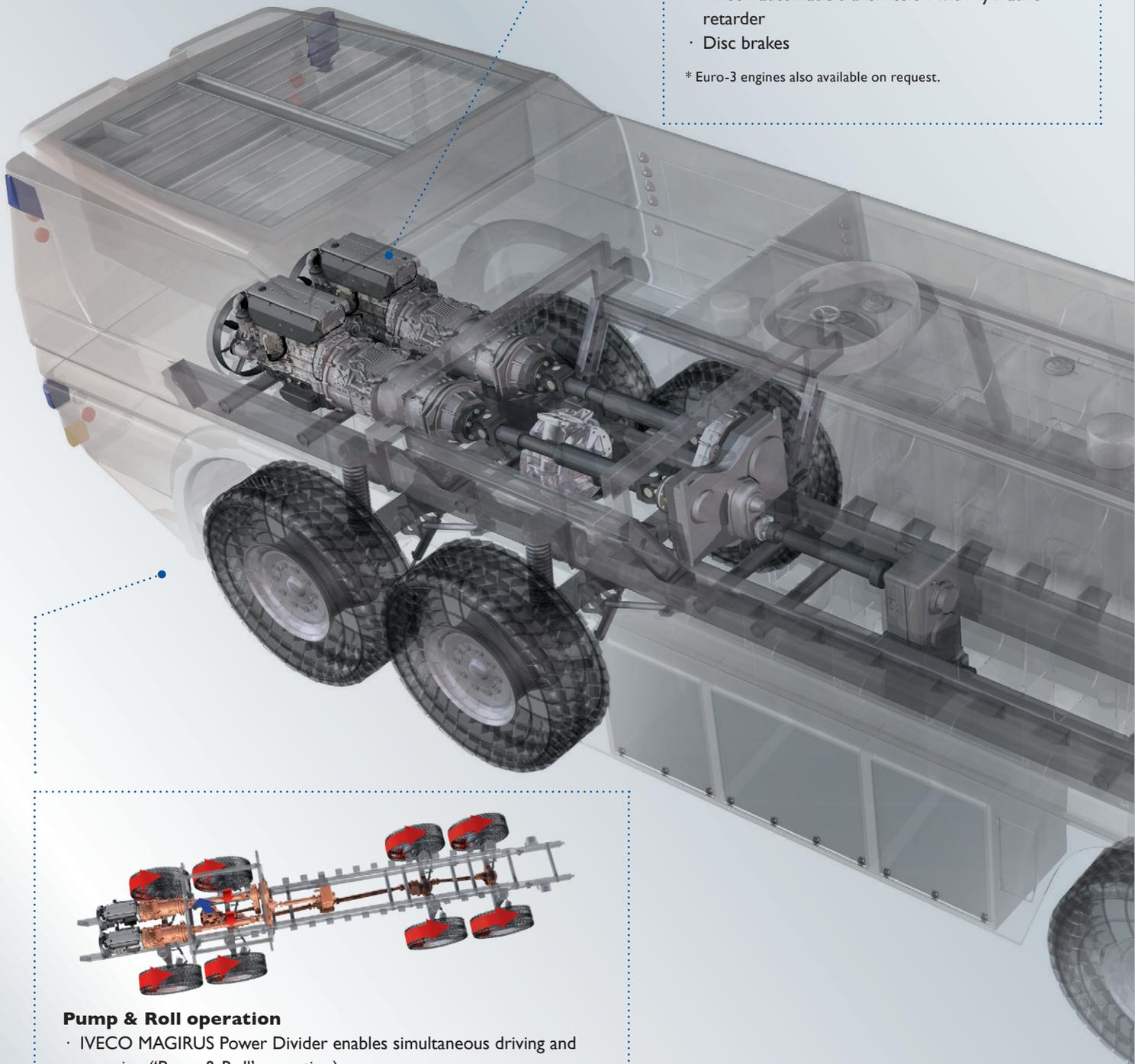
THE GREATER THE CHALLENGE,
THE MORE WE HAVE TO OFFER.



Power pack

- Power pack solution with two IVECO Cursor 13 engines (each with 412 kW / 560 hp, Euro 5*) for a total output of more than 1.000 hp
- Top speed of up to 135 km/h
- Acceleration from 0 to 80 km/h in less than 25 sec
- Allison automatic transmission with hydraulic retarder
- Disc brakes

* Euro-3 engines also available on request.



Pump & Roll operation

- IVECO MAGIRUS Power Divider enables simultaneous driving and pumping ('Pump & Roll' operation)
- Pump & Roll operation with maximum water flow possible from an engine speed of 900 rpm
- Operation while driving in forward or reverse at any speed
- Water flow rate adjustable independent of vehicle speed
- Maximum power requirement of the pump: 272 hp – so even at maximum pump output, sufficient power reserves remain for the vehicle drive train
- No system-related overheating of the oil, no friction in the coupling mechanisms – for greater reliability, lower efficiency losses and longer service life

STRONGER, BETTER AND MORE EFFECTIVE FROM THE GROUND UP.

With the DRAGON 2 model series, IVECO MAGIRUS has introduced a new generation of airport fire-fighting vehicles. Innovative, all-new concepts specifically developed for the chassis, drive train, extinguishing technology, control system and design result in an attractive range of vehicles that can do more than ever before. DRAGON 2 units address the constantly growing and often extreme demands associated with fire-fighting operations at airports.

In keeping with the IVECO MAGIRUS philosophy, this consistent solution has been developed in-house and is produced using a 'one-stop shop' approach. The modular system makes it possible to implement different configurations and drive variants that include 6x6 on a three-axle chassis and 8x8 on a four-axle chassis.

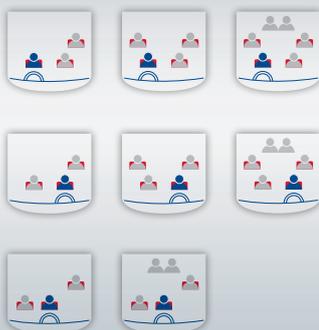


New chassis

- The newly developed Crash-Fire-Rescue truck (CFR truck) from IVECO MAGIRUS with rear engines, overall width 3.0 m
- Solid-axle suspension with coil springs

HUGELY FLEXIBLE.

Characteristics DRAGON 8x8	
Wheel base	4.050 / 5.050 mm
Engine output (Euro 5)	824 kW / 1.120 hp
Maximum speed	> 135 km/h
Tank volume, water	12.500 – 17.000 litres
Tank volume, foam	1.500 – 2.040 litres
Powder	500 kg
CO₂	120 kg
Pump output, normal pressure	10.000 l/min at 10 bar
Pump output, high pressure	250 l/min at 40 bar



Variable

The new cab offers room for 3, 4 or 6 people.

The driver's seat can be positioned on the left, on the right or in the centre.

- 1** Perfect workplace: the cab completely satisfies all demands for maximum effectiveness with a small crew. The cockpit is clearly arranged and very bright inside.
- 2,3** In the cab, up to four seats with BA storage possible. Vehicle entry is ergonomically optimised for fire-fighting operations. Large, deep windows provide optimal visibility in all directions.
- 4** Perfect combination of functionality and progressive design: large air grilles guarantee maximum cooling efficiency; the rear cover facilitates access for maintenance and repairs.



SIZE: M. PERFORMANCE: XXL.

The DRAGON 6x6 offers all of the benefits and strengths of the DRAGON 2 concept – just one size smaller than the 8x8.

Characteristics DRAGON 6x6	
Wheel base	4.700 mm
Engine output (Euro 5)	397 kW / 540 PS – 824 kW / 1.120 PS
Maximum speed	> 135 km/h
Tank volume, water	10.000 l – 12.500 litres
Tank volume, foam	1.200 l – 1.500 litres
Powder	250 kg
CO ₂	120 kg
Pump output, normal pressure	10.000 l/min at 10 bar
Pump output, high pressure	250 l/min bei 40 bar

Strong heart

Drive train power pack solution with two IVECO Cursor 13 engines* and a total of 1120 hp (DRAGON 6x6 High) or one IVECO Cursor 13 engine* with 560 hp (DRAGON 6x6 Low)

* Euro 5 in each case; Euro-3 engines also available on request.



STRONG “LITTLE BROTHER”

New airports all over the world, increasing air traffic volume due to continuous globalisation and modern leisure lifestyles, much tighter international security regulations: all of this requires effective new airport fire-fighting vehicle concepts with an uncompromisingly practical orientation. And like the DRAGON 8x8, the DRAGON 6x6 also satisfies these ever increasing demands. It's based on the same concept as its “big brother” but delivers its benefits from an agile three-axle chassis. That makes the DRAGON 6x6 the ideal solution for fire brigades at medium-sized airports where a compact vehicle with less extinguishing agent capacity suffices. With its performance characteristics – e.g. acceleration and extinguishing power – the DRAGON 6x6 is every bit as impressive as the larger 8x8.

Whether 8x8 or 6x6, all vehicles of the DRAGON 2 model series are equipped with standardised components and assemblies. This standardisation not only makes production and spare parts management far more efficient, it also facilitates training and the orientation of new fire-fighting personnel.

Customised solutions

No matter which part of the world, no matter what type of airport, no matter which specific requirements: your DRAGON is configured and built to meet your specifications.



UNDISPUTED MASTER OF THE COMPACT CLASS.

With its 4x4 and 6x6 variants, the IMPACT model series combines proven solutions and innovative technologies, multi-functional qualities and highly specialised capabilities, compact dimensions and a broad operational spectrum.

Characteristics IMPACT 4x4 / 6x6	
Chassis	IVECO Trakker
Engine output	330 kW / 450 hp – 412 kW / 560 hp
Maximum speed	> 105 km/h
Tank volume, water	3.000 – 9.100 litres
Tank volume, foam	360 – 1.300 litres
Powder	250 kg
Pump output	6.000 l/min at 10 bar



Pump & Roll operation

- Different drive systems for the fire pump: auxiliary drive from the engine, hydrostatic system or separate engine for full 'Pump & Roll' operation.

Cab variants

- Crew cab for 1+1, 1+2, 1+4, also with breathing apparatus

ALL CAPABILITIES – COMBINED INTO A SINGLE VEHICLE.

The IMPACT is specially designed for fire brigades at smaller airports with limited budgets.

This model series is based on the large-scale production truck components of the IVECO Trakker. Already proven thousands of times over in service, those components have been modified to meet the specific requirements of this application:

- High engine output: 330 – 412 kW (450 – 560 hp), Euro 3 and Euro 5
- Allison automatic transmission or ZF EuroTronic with automated transmission
- Larger track width for better stability
- Single tyres

Superstructure technology, extinguishing technology and control system electronics are perfectly matched to the chassis – and represent integral parts of a consistent overall vehicle concept as only IVECO MAGIRUS can supply.

The modular design makes it possible to create different vehicle configurations according to ICAO and NFPA standards.



Extinguishing agent capacities

- Superstructure concept with water tank mounted outside
- Tank volume, water: 3,000 – 12,000 litres
- Foam: up to 750 litres
- Powder: up to 500 kg
- Larger tank volumes possible (optional)

Chassis

- Different drive train configurations for 4x4 and 6x6 solutions



IVECO MAGIRUS is your one-stop shop:

- a complete range of vehicles for fire-fighting and civil protection: the only one of its kind in the world
- chassis, cab, equipment storage superstructure, extensions and pump technology
- 145 years of experience and continuous innovative drive

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