

# FRIGATE<sub>6</sub>.

## Commercial Chassis ARFF



**Chassis**

- MAN, Mercedes Benz, Volvo, and IVECO
- Transmission: ZF Fully Automatic / Allison Transmission
- 0-80 km/h < 30 sec
- Axle configuration: 6x6
- Top Speed: 110 km/h
- Minimum horsepower: 540 hp in any chassis brand

**Cabin**

- Crew: 1+2
- OEM Built Crew Cab [optional] + 4
- SCBA Seats [optional with crew cab]
- All seats have 3-point seat belts

**Fire Fighting System**

- GORNER Series FP-6000 Single stage, centrifugal, normal pressure pump [EN-1028] - MERAJ.
- Output: 6000 LPM @ 10 bar
- Water tank capacity: 9,000 Liters Polypropylene
- Foam tank capacity: 1,080 Liters Polypropylene
- FOMMIX automatic foam proportioning system 1, 3, 6%
- DCP System 250-kg with 1 x 25 L nitrogen (2.5-kg/sec, throw @ 8 meters) and from hydrochem turret.
- CAN controlled roof turret with one hand joystick control with flow up to 5000 LPM and bumper turret with flow up to 3000 LPM.

**Body Concept**

- All controls are fully operational from the driver cab via ME+ controls and the ARFF are in full compliance of ICAO and partial compliance of NFPA 414
- ALX-AP extruded body is lightweight, corrosion-resistant, and provides years of trouble-free service Our extruded aluminum fire body is the strongest and most durable in the industry. Built from 6061-T6 and 6063-T6 aluminum alloys, all nut and bolted each of our certified extrusions are custom designed for a specific use in the apparatus body. with integrated lighting, Aluminum Roll-up doors, Integrated wiring channels, Lower compartment door panels flip down to provide easy access to upper compartment storage area. [optional]

**Pressure outlets**

- 4 outlets of 2-1/2" pressure outlets in the rear side compartment with BSS couplings
- Optional 6 outlets right, left and rear.
- Optional coupling types available.

**Equipment Storage**

- Low storage compartments equipped with a hinged step and optional with EASE sliding shelves for the optimum removal and safe storage of equipment.

**Quick attack unit**

- Rear mounted, high-pressure hose reel 25 mm x 30 m hose, manual crank rewind.
- Electric/hydraulic rewind – optional

# DESCRIPTION

Experience the strength of the FRIGATE series, featuring the ALX-AP Body Concept, designed to integrate with any commercial chassis compliant with ICAO standards. Equipped with a robust 480 HP Diesel Engine and an automatic transmission with a torque converter, this series is a paragon of performance.

Enhance rapid response with the optional Crew Cabin, accommodating a driver and four crew members, crafted for swift access and adherence to ICAO response times. Tailor your FRIGATE with water and foam tanks ranging from 4000 to 5500 liters for the 4x4 Chassis or 6000-10000 liters for the 6x6 Chassis, complete with customizable accessories.

The FRIGATE series is the definitive choice for airport fire and rescue, ready to deliver exceptional service and reliability.

# SALIENT FEATURES



Rear Single Tire Configuration for 4×4 and 6×6  
Angle of Approach and Departure 30 degrees  
Tilt Angle 28 degrees



6000 LPM @ 10 Bars Normal Pressure Fire Pump  
Automatic Foam Proportioning System  
(CANBUS Integration)



Fully automatic Joystick operated Fire Monitor  
(CANBUS Integration & Bumper Monitor)



Polypropylene High Strength Water and Foam Tank (Optional)



High Intensity Audio & Visual Equipment



Ergonomically designed ME+ Control Panel

FLIR Night/Smoke Assist Driving



Pneumatic Light Mast (optional)

Text and photos are non-binding. The photos may show extra optionals only available at extra charge. The right to change make changes in accordance with technical progress is retained.



## MERAJ Türkiye

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