

# Firefighting Robot Magirus AIRCORE TAF35

100440

The fire-fighting turbine vehicle Magirus AirCore is very efficient for big fires and big surface, especially liquid fires. It binds gasses and smoke and improves the visibility and safety.

Furthermore this special vehicle provides much faster heat absorption compared to current methods and is easy and safe in use. Further advantage of the Magirus AirCore is its maintenance friendliness.

## The concept of the AirCore

- Flexible centre nozzle choice
- Radial nozzle capacity 1,000 l/min
- Center nozzle capacity 500 l (spray nozzles) / 2,500 l/min (spray jet / full jet)
- Total water flow capacity up to 3,500 l/min
- Electric or hydraulic drive
- 2 sizes available: S15 or M25
- Up to 80 m throwing distance
- 8-12 bar operational pressure, max. 16 bar
- Foam agent application possible (0,5 / 1 %)
- Remot controle possible
- Electrical adjustment of the centre nozzle to spray jet / full jet
- Compact dimensions

## Advantages and Benefits

- Very efficient for big fires and big surfaces, especially liquid fires, due to high extinguishing efficiency of the aerosol turbine
- Very effective in case of complex building structures
- Binding of gasses and smoke, improving visibility and safety
- High cooling efficiency due to bigger, nebulized water quantity
- Much faster heat absorption compared to conventional methods
- Easy and safe in use
- Flexibility in manoeuvrability
- Lifiable and tiltable turbine
- Gentle application of water / water-foam-mix on liquid fires
- Maintenance friendly layout of all components

## Technical specifications

### Vehicle Figures:

- Speed: 0 - 9 km/h
- Gross vehicle weight: 3,900 kg
- Engine: (Diesel) 53 kW (71 HP) water-cooled Tier 4, Stage III B, Step 4
- Fuel tank: 75 l
- Autonomy at full load operation: 5-7 h
- Gradeability (max): 58 % (30°)
- Lateral inclination (max): 27 % (15°)
- Pulling power: 3.8 t (3,800 daN)
- Noise level (LpA at 10m safety distance): 84 dB(A)
- Remote control distance: up to 300 m
- Dimensions (LxWxH): approx. 3,000 x 1,650 x 2,200 mm

### **Turbine Figures:**

- Power: 25 kW (shaft power)
- Operational pressure water: max. 16 bar
- Water flow:

- Mode for fine water mist (nozzle head and -ring) from 0 to 1,500 l/min

- Mode for high water flow from 0 to 4,700 l/min at 16 bar (monitor and nozzle ring) from 0 to 4,000 l/min at 13 bar

- Monitor spray pattern: adjustable with remote control
- Flow rate: stepwise adjustable
- Angle of inclination. -22° - 47°
- Water supply: 4 x Storz B
- Throwing distance in fine water mist mode: up to 60 m
- Throwing distance in highly flow rate mode: up to 80 m
- Airflow infinitely adjustable: 60,000 m³/h (\*) / 105,000 m³/h

