

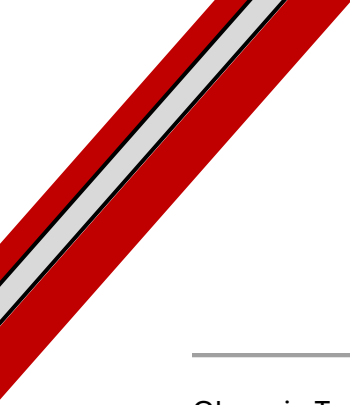


Arocs 4158E6 8x4

High-Capacity Firefighting Tanker

PM180/BZ6





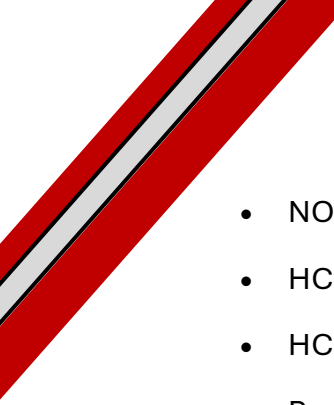
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## Chassis Technical Specifications

- Manufacturer: Mercedes-Benz Trucks Factory
- Trade Name: Mercedes-Benz Arocs
- Model: Arocs 4158
- Wheel Configuration: 8x4
- Engine: Mercedes-Benz OM471LA.6-55
- Displacement: 15,598 cm<sup>3</sup>
- Maximum Power Output: 315 kW (~428 HP)
- Transmission: Automatic
- Steering: Power-assisted
- Braking System: Pneumatic brakes with ABS
- Suspension: Multi-leaf spring suspension
- Tires: 315/80R22.5 (Front & Rear)
- Dimensions (L × W × H): 11,450 × 2,500 × 3,550 mm
- Wheelbase: 1750 + 4600 + 1350 mm
- Curb Weight: 15,000 kg
- Gross Vehicle Weight Rating : 41,000 kg
- Rear Axle Load: 2 × 13,000 kg
- Cabin Seating Capacity: 2 (driver included) / crew cabin: 2+4)
- Noise Emission Standard: 88 dB @ 1200 rpm
- Top Speed: 85 km/h
- Fuel Consumption: 81.6 L / 100 km

## Emissions

- CO: 0.1594 g/km

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- NOx: 0.0984 g/km
  - HC: 0.0095 g/km
  - HC+NOx: 0.0999 g/km
  - Particles: 0.0002 g/km
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#### Storage Compartments

- Structure: Full aluminum alloy – rustproof & corrosion-resistant
  - Design: Patented welded frame with bolted inner structure
  - Advantages: Lightweight, durable, and weather-resistant
  - Wiring: Embedded in grooves to prevent wear and damage
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#### Tanks

- Material: Polypropylene composite (PP) – corrosion-proof
  - Total Capacity:
    - Water: 14,000 L
    - Foam: 4,000 L
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#### Control System

- Technology: Modular control with PLC (Programmable Logic Controller)
  - Operation: Electronic commands with configurable modules
  - Protection Level: IP56 or higher
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#### Standardized Components (CXFIRE Modular System)

- Water pumps
- Roof-mounted water monitors
- Aluminum rolling shutters
- Storage racks
- Pipe networks

- Benefits: Full compatibility, reliability, and component interchangeability

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### Firefighting System

- Main Pump: 170 L/S @ 10 bar
  - Roof Monitor flow rate:  $\geq 5000$ -10000L/min, adjustable
  - Paint Color: Firefighter Red
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