



# SPECIALIZED CONCEPT LTD.

3 Tile Crescent, Clayville Ext 44, South Africa

## CATEGORY 3 AIRPORT RESCUE FIREFIGHTING VEHICLE BUILT ON A MERCEDES BENZ ACTROS 1823



**NOTE: PICTURES SHOWN ARE FOR REFERENCE ONLY. OF PREVIOUS BUILDS. FINAL PRODUCTION WILL BE BASED ON END USER REQUIREMENTS**

### TECHNICAL SPECIFICATIONS

#### SCOPE OF SUPPLY

- SCL CAT 3 ARFFV with 2000 litres Water, 300 litres foam, 135kg DCP and 2000 l/min pump.
- Mercedes Benz Actros 1823 4x4 chassis with 4-Door Crew Cab.
- Crew Capacity 2 + 4 with rear SCBA Seating
- Single Wheel Application with 295/80 R 22.5 or 14.00R20 Tyres.
- 210 kW and 1100 Nm @ 1200-1600 RPM
- Mercedes Benz G131-9 AMT Transmission
- Emissions EURO III / IV / V
- Fire Fighting Superstructure with five (5) Roller Shutter Doors, two (2) on each side and one (1) rear pump compartment.
- PTO Driven Ziegler FPN 10-2000 2HH 2000 l/min @ 10 Bar and 400 l/min @ 40 Bar
- Ziegler PH48 Foam System 1%, 3%, 6%.
- Polypropylene or Stainless Steel, baffled, Water and Foam Tank 2000 l water and 500 l foam with two (2) 450 mm manholes.
- Manufactured according to EN and ICAO requirements

#### PERFORMANCE AND DIMENSIONS

- Acceleration: 0-80 km/h in less than 40s
- Approach Angle: 30 degrees
- GVM: 18 000 kg
- Wheelbase: 4500 mm
- Topspeed: 105 km/h
- Tilt Angle: 28 degrees

#### FIRE FIGHTING CAPACITY

- Two (2) x 19mm x 30m High Pressure Hose Reels with High Pressure Nozzles and Foam Attachment.
- Ecam 1000 l/min Electric Bumper Monitor and joystick controls in cab. Reach > 50 m (straight stream)
- Two (2) 65 mm DSP Side Deliveries
- Ground Sweep System
- DCP 135 kg with Hose reel and nozzle discharge 2.25 kg/s

#### BODY ELECTRICAL AND LIGHTING

- (2x 12V Batteries) 24 V Body Electrical System
- Lightbar with 100 W Siren System
- Three LED Flashers each side of the body, two (2) at the front and four (4) at the rear. Ten (10) in total.
- One (1) LED Search light on the rear body.
- Six (6) LED Airway Flashers
- LED Scene Lights
- LED Step and Ground lights

#### CONTROLS

- Pump Control Electro-Pneumatic
- Rear Pump panel with PLC Intelligent Controls for all fire fighting systems
- Duplicate Pump and Lighting Control provided in the cab.
- Joystick for monitor control in the cab.
- Water and Foam Level indication

#### Equipment

- As per ICAO Table 5-2 for Category 3-4 Airports

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