

# FIRE TRUCKS & 8 X8 CRASH TENDERS FOR AIRPORT



**COLET**

**Special Vehicle Design**

# K-SERIES/JAGUAR

THE ULTIMATE IN DESIGN ENGINEERING



The Colet Jaguar series are the fastest and most advanced, all weather, fire-fighting crash vehicles in the world. The Colet Jaguar's active/reactive suspension system ensures greater vehicle mobility, performance, and safety. The Jaguar also features full crash cage protection and monocoque frame construction, elevating boom turret, forward-looking infrared night vision and GPS.

**COLET**  
Special Vehicle Design

# THE K/R40 JAGUAR

## THE ULTIMATE IN DESIGN ENGINEERING



The COLET K/R40 Jaguar is the most powerful crash truck in the world. Some key features of the K/R40 are the PowerFlow Turret and Instatak firefighting systems. Together, they help make the K/R40 into an invaluable tool. The 1600HP engine pushes the K/R40 to 50 mph in less than 25 seconds, making it the fastest vehicle of its size in the world.

**COLET**  
Special Vehicle Design



## COLET Jaguar series

### Fire Pump & Turret System

- Water Pump Twin Bronze/Stainless Steel 8,700 LPM @ 11 Bar
- Computerized foam proportioning 1%, 3%, 6% fully automated with gpm feature.
- PowerFlow LWBMT Stage 4 controls.
- Stainless Steel Lightweight Boom Mounted Road Turret & Monitors
- Water tank: (3000 gallons) 12,000 liters plus extra 3,000 liter boost capacity, 15,000 Litre Capacity high ratio usable capacity, with central unique low center of gravity for best utilization and Vehicle balance.
- Roof Monitor 7000 LPM @ 10 Bar
- Bumper Monitor 1500 LPM @ 10 Bar

### Chassis & Cab Design

- Gen. 4 Stainless Steel Cockpit crash cage with 4 person seating options.
- Air conditioning with 1500 CFM defrosters.
- Bonded Glass
- Gen 4 Glass Top Cockpit
- Electrical Power Doors with Wipers and Deluge System
- COLET **Stainless steel Space Frame Monocoque Chassis** offers safety and longevity 10 x strength with less weight.
- Stainless steel body, bracketry, and structure for maximum corrosion protection, and aluminum compartment walls.

## COLET K Series K/40E 8 x 8 Chassis



### Special Features

- F.L.I.R. (Forward Looking InfraRed)
- Heads Up Display – monitor and reverse camera.
- Redundant Critical Systems for fail Safe Operational Capability
- All Individual Electrical Circuit Protection for safety & Reliability
- 2-3 spare circuits/wiring for every 10 COLET Jaguar Harnesses

### Gear Box / Steering System / Tyres

- Twin Electronic Allison Automatic Transmission.
- Twin Power Steering Pumps for Safety
- Over the road interstate capability (Road Legal Vehicle).
- Forged Heat Treated Aluminum Alloy Wheels, Mirror Polished
- Turning Circle approximately 2 times the length.
- All Terrain tubeless on-off highway tires
- Signal, Brakes, Engine Brakes, Automatic Diagnostic Built-in System
- 160KPH Chassis

### Hydro Pneumatic Suspension System With Colet Active Control

- Multi-link Suspension, 12-Link Front, 14-Link Rear
- COLET K Series 8 X 8 Chassis with ultra-ultra performance upgrade, high stability, handling, braking bogie option.
- 2 Allison electronic 6-speed close ratio transmissions
- 1,000HP requires 8 X 6-4.2 bogies with COLET Active Control technology hydro-pneumatic suspension system
- COLET Active/ reactive interactive hydro-pneumatic suspension.
- Self-adjusting, maintenance-free suspension.
- Digital microprocessor management of vehicle.
- Anti-dive/ anti-squat/ traction equalization control.
- Multi-height with Auto-Leveling.
- Electronically-managed, on-demand pump and roll.

## COLET K Series K/40E 8 x 8 Chassis



### Engines & Battery Systems

- 1,000HP Twin Cummins Power On-Highway emission the most stringent Diesel emissions in the United States.
- Twin engine powertrain (electronic motor control/ management) turbo.
- 2 Cummins electronic-controlled engines System
- Euro 3 Compliant Engines
- 0-80KMPH in under 18 seconds, capable of under 1 minute response.
- Controlled Air Flow for Managed Power Pack Cooling
- Aluminum Cross Flow Radiators
- Twin Battery Packs, Total 3,560CCA < 1 Meter from each starter.
- 2 Power Packs; Rear Laterally Direct to Axle for Maximum Control and Safety.
- Gel Cel AGM No Maintenance Aircraft Type Batteries.

### Brake Systems

- Anti-lock braking electronic traction control ABS/ATC.
- 2.5gm per lb. –HP-HR NOX, twin engine brakes, Cummins C-brake engine retarders
- Disc Drum Brakes full/ air dual circuits with safety features.
- Dual Circuit ABS Air Brake System
- Air Disc Drum S-Cam combination Ultra-Chassis upgrade
- Twin Air Brake Compressor(s)
- COLET: shortest braking distance recorded by USAF test protocol.

