

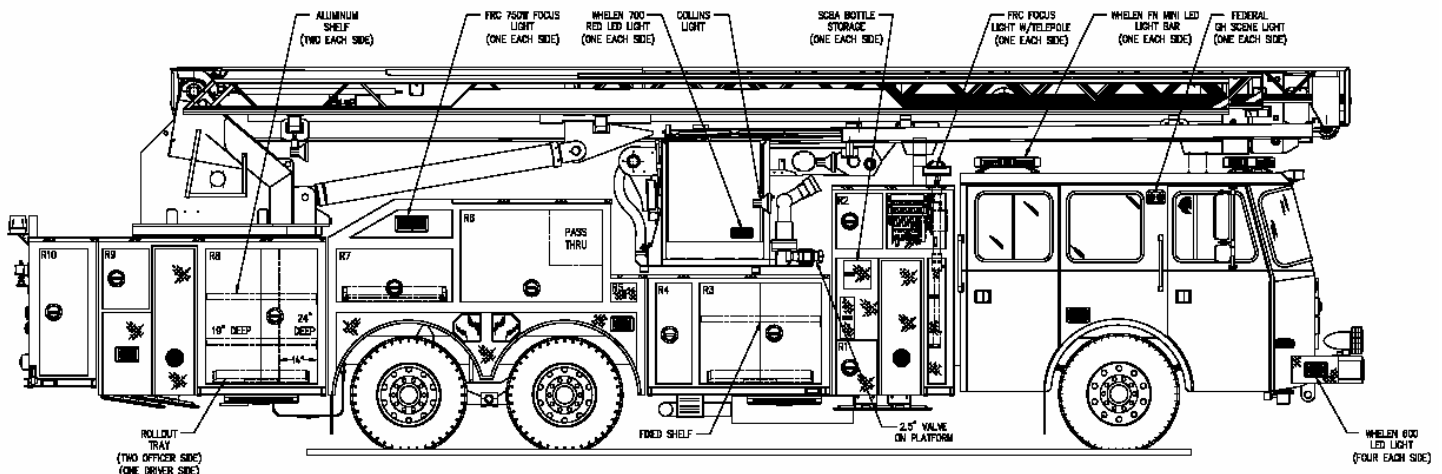
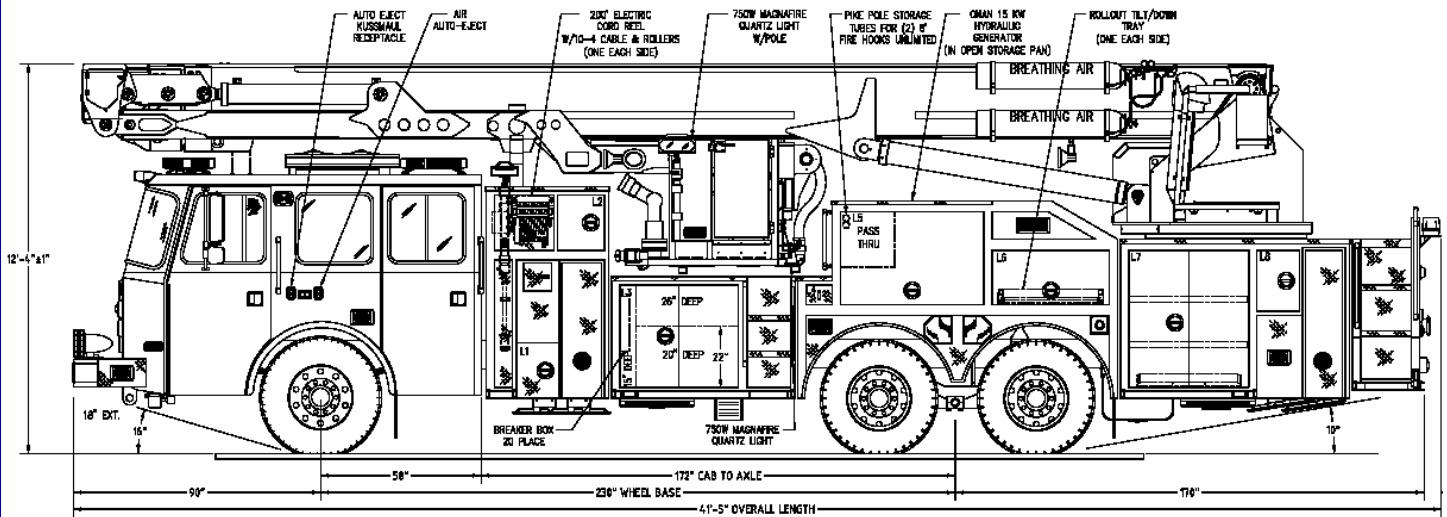


Bronto *F-134* RLP

E-One Cyclone II Cab & Chassis

134' Rescue Ladder Platform

All Aluminum Body Construction



Bronto F134 ~ Available with or without Pump /Tank

Chassis:

Emergency One *Cyclone*® II
230" wheelbase with 40° front steering cramp angle
Gross Vehicle Weight Rating: 84,800 lbs.
Front Axle: Meritor® 22,800 lbs.
Rear Axle: Meritor® 62,000 lb. Tandem.
Rear Suspension: Raydan® air ride suspension
Front Tires: Michelin 445/65R 22.5 tubeless type, 20 PR
Rear Tires: Michelin 315/80R 22.5 tubeless type, 18 PR
Polished Aluminum disc wheels with chrome trim kits
Detroit® Series-60 515 hp diesel engine with Jacob's engine brake
Allison EVS4500 automatic transmission
Alternator: Dual *Leece-Neville* rated @ 540 Amp S.A.E.
65 gallon fuel tank
Air brakes with automatic slack adjusters and air inlet
ABS brake system and *Bendix* AD-9 Air Dryer
Four heavy duty 12-volt Group 31 batteries
Stainless steel front bumper ~ 10" high x 20" extension
Two heavy-duty front and rear tow eyes
Two air horns mounted behind the front bumper
Front and rear mud flaps

Cab:

4-door tilt cab with fully padded interior is designed exclusively for the fire service.
Fully enclosed all-welded 3/16" thick aluminum cab – exceeds *ECE R-29* crashworthiness standard with full roll cage.

Seating for (6) with 3-point seatbelts installed for all crew members including (5) air pack seats
Interior lighting includes four (4) step lights and four (4) individually switched ceiling lights.

Air Conditioner - Heater and defroster - Tinted windows - Ramco remote controlled mirrors

Body:

Body construction is all aluminum extrusion design. Flex joints used between main compartments for harsh road conditions. The entire body structure securely fastened to chassis/torque box frame. Bright, anti-slip embossed aluminum tread plate shall be provided on all horizontal walking surfaces on the upper portion of the body.

Full length tunnel (B1) located in rear of vehicle; equipped to store these following ladders / poles:

- One (1) 10' folding attic ladder
- One (1) 12' 2-section extension attic ladder
- One (1) 16' and one (1) one **18'** roof ladder
- One (1) 24' 2-section extension ladder
- One (1) 35' **2-section** extension ladder
- Pike pole tubes for six (6) pike poles located in ladder storage tunnel.

Bronto F134 ~ Available with or without Pump /Tank

Bolted-on aluminum extrusion rub rails to be provided on each side of body. The rub rail shall extend one inch from the body and have a reflective stripe insert.

Access to the top of the apparatus from the ground shall be by two recessed step areas. These two areas shall have access rails up and over the compartment sides. The rails shall be constructed of aluminum extrusions for both platform access and aluminum diamond tread plate steps for the rear side access. Both access areas shall be provided with swing down assistance steps.

Equipment Compartments:

Over 165 cubic feet of compartment space - All storage areas dimensions stated shall be true *useable* storage; shall be after reductions for torque box, or body notches

Large enclosed equipment compartments are supplied for firefighting equipment on each side of the vehicle Rescue style compartments ranging from 21" to 26" deep on the left side, and 11" up to 26" deep on the right side. All compartment access via hinged doors.

Six (6) SCBA bottle storage tubes shall be included, 3-per body side. Smaller storage compartments to be supplied to store wheel chocks, tool boxes, etc.

Extruded aluminum assisted handrails are provided on the cab doors, aerial platform access, aerial platform, and at rear stairway access.

Lighting & Warning Equipment:

All lighting and warning equipment is NFPA 1901 compliant.

A single battery master disconnect switch is mounted in the cab.

Battery charging system with 110-volt receptacle located behind driver side door for connection to shoreline.

Combination amber turn signal and front red LED's (see NFPA warning lights) shall be provided.

Whelen tail lights on the rear: stop lights shall be red, turn signals shall be amber arrow, and the back-up lights shall be clear.

One (1) Federal model Dynamax, 100-watt speaker shall be recessed behind the front bumper.

Federal Signal Model PA-300 electronic siren with PA system.

Interior cab lighting includes: four (4) individually switched lights in ceiling and four (4) step lights, which shall be integrated into the cab doors to provide step lights and ground illumination. 12-volt lights shall be mounted in each body compartment including the ladder tunnel.

Federal Signal model FV2653 *View-point* light bars mounted on the cab roof. The system shall include two (2) individual four (4) pod units.

Two Federal Signal *Sentry* lights with red/amber (NFPA) lenses mounted at rear.

(6) pair of Whelen 600-LED (NFPA) red lights shall be provided in the following locations:

- One (1) on each body side by the rear jack panels.
- One (1) on each body side in the forward tandem wheel well arch.
- One (1) on each side of the cab below the middle window.
- One (1) on each side of the front bumper.
- One (1) on rear of body; each side above the rear tail lights.
- One (1) on the front of cab; inside quad bezels with amber directionals.

Bronto F134 ~ Available with or without Pump /Tank

Four (4) Federal GS-Series 12-volt scene lights shall be provided. Two (2) shall be placed at the rear of the body above the ladder compartment door and two (2) shall be placed on each side of the cab behind the drivers door, even with the top of the windows.

Work lights shall be located at the steps around the turntable area and under the pump panel areas for proper illumination when needed. Two ground illumination lights shall be installed at the rear of the truck and one 12 volt light shall be installed in each jack leg opening to illuminate the area where the jack has been deployed.

One (1) 2" indicator light shall be located in the cab to show when the jacks are extended and an audible jack-deployment alarm shall be included.

Four (4) 750-watt Magna-Fire quartz lights shall be mounted; 1-pair fixed over the front cab windshield and 1-pair (telescopic) in the recessed area of the front body module. One additional 750-watt telescopic Quartz light shall be mounted on the left side of the platform.

Four (4) red flashing halogen lights shall be mounted, one on each pair (front/rear) of extending outriggers. One pair of Whelen red 700-strobes shall be mounted on the sides of the platform for location spotting during night operations.

Two (2) Unity floodlights shall be mounted on the base boom, one on each side. These lights shall be directed to shine upward to illuminate the area of the jib boom articulating area.

Two (2) Unity floodlights shall be installed on the tip section of the jib boom, one on each side. These lights shall be directed to shine downward to illuminate the same area for maximum nighttime safety.

An intercom between the aerial turntable and platform shall be installed.

10,000 watt **Onan** model PTO-hydraulic generator system shall be installed.

110 volt twist lock receptacle with a weatherproof cover shall be provided inside the platform.

Two electric Cord Reels each with 200' x 10/3 Yellow cable located in upper left and right body corners inside compartments with rollers.

134' Rescue Ladder Platform

Booms shall be constructed of minimum 90,000-psi yield strength steel.

The aerial device shall consist of a 4-section telescoping boom and an articulating jib section.

Minimum vertical height shall be 134' at full extension and elevation.

The rated horizontal reach is 79'.

Following construction, both the inside and outside of the booms are painted to protect against corrosion.

The rated capacity of the platform shall be **1210** lbs. This is 1000 lbs. for personnel and 210 lbs. for equipment.

The rated capacity of the platform *while* flowing water shall be 960 lbs. This is 750 lbs. for personnel and 210 lbs. for equipment.

All rated capacities are available throughout the entire working envelope of the aerial device.

A fully NFPA compliant climbing ladder shall be provided on the right side of the telescopic boom assembly. The ladder shall have (4) aluminum sections corresponding to each boom section.

The ladder is rated to support a distributed load of 7 people.

Bronto F134 ~ Available with or without Pump /Tank

The platform is stowed directly behind the cab, which eliminates any front or rear overhang.

The wind speed rating at full rated capacity shall be 40 mph. The wind speed rating at full rated capacity while flowing water shall be 31 mph.

The aerial device can operate 15' below grade.

The jib boom can articulate 180° to reach over parapet roofs and roof peaks.

The platform shall be able to reach the ground within 10' of the apparatus through 360° of rotation.

Boom angles shall be in the range from 0 degrees horizontal to 84 degrees above horizontal.

Cradle alignment light is included at the control panels to help in stowing the device.

The aerial shall be equipped with a limit system to manage the operational envelope of the aerial. The limiting system shall be self-controlling. All critical safety switches have back up switches. This system is designed to protect the cab and body from being struck by the aerial device. It also prevents moving the aerial device to the short-jacked side of the truck.

Integral holding valves prevent unintentional movement of the boom should a hydraulic line rupture or the system pump fails.

Aerial waterway constructed with chrome plated stainless steel. Flexible connections shall be used at the turntable, first boom knuckle, and at the rear of the platform.

Platform:

Platform is constructed of tubular steel and has over 21 square feet of interior floor space.

An added rescue platform 60" wide x 15.75" deep shall be provided on the front face of the platform to facilitate easy movement in-and-out of the platform when needed.

The platform has three entrance/exits - one is on the front, one is on the left, and one is on the rear of the platform allowing access to the ladder.

The platform itself can swivel 45° to both the right and left, making it easier to square up to objectives and is also self-leveling.

Platform is equipped with an Akron model 3578 (1000 gpm) remote controlled monitor with an Akron model 5177 electric combination straight stream-to-fog nozzle.

A 2-1/2" outlet shall be located on the right front of the platform, and a 2-1/2" x 1-1/2" NST chrome reducing cap and chain. Platform is equipped with hose storage box that will hold 50' of 1 3/4 in DJ hose. An additional box is also provided to store 2-SCBA air-masks.

Two (2) air couplings shall be provided to supply breathing air to the platform.

Outriggers:

Two sets of extendible out and down "H" style outriggers.

Outrigger spread is 19' - 8". Short-jacked outrigger spread is less than 13' - 6". The operational envelope prevents operating the unit over the side that is shortjacked.

Cylinders have a dual pilot operated check valve on each jack to hold the cylinder in the stowed or working position should a charged hydraulic line be severed. Jack pins shall not be required.

An outrigger control and automatic leveling system shall be supplied to reduce setup time at emergency scenes. The outriggers can be deployed and the truck leveled in less than 40 seconds.

Bronto F134 ~ Available with or without Pump /Tank

Outriggers shall level side-to-side and front to rear on uneven surfaces such as curbs and road crowns. The auto-leveling system is located in the rear compartment at the rear of the vehicle. The control box is a tethered handheld device attached to a 15' cord. This allows the operator to deploy the outriggers while easily viewing all operations by walking to the side of the truck.

Manual controls are provided as a secondary system and accessed through the B1 compartment at the rear of the vehicle.

Finish:

Chassis and frame rails and torque box painted black.

Cab and body are finished in acrylic urethane, high gloss enamel in a 2-tone pattern; with a white-cap over red design.

Reflective stripes on front and rear of the four outrigger jack legs.

Reflective rub-rail stripes shall be affixed to the perimeter of the apparatus along with the entire rear body for optimum in safety at nighttime.

Delivery, Training & Technical Documentation:

Maximum dimensions: **12' - 4"** high x **100"** wide x **41' - 6"** long.

General videotape describes typical operations and maintenance of the apparatus.

Two sets of CD-ROM chassis manuals with service, maintenance and troubleshooting instructions.

Wiring and air schematics also included.

A qualified aerial training engineer will conduct 3-days of training at the department.

An aerial training engineer will supply two sets of aerial operation and maintenance manuals.

Warranties:

20-year aerial structural warranty - 10-year cab structural warranty - 10-year body structural warranty

10-year paint warranty - Lifetime frame warranty shall apply to the frame rails and the crossmembers

Lifetime Poly-tank warranty - Lifetime corrosion perforation warranty on cab and body

1-year basic vehicle warranty - 10-year stainless steel plumbing components warranty