

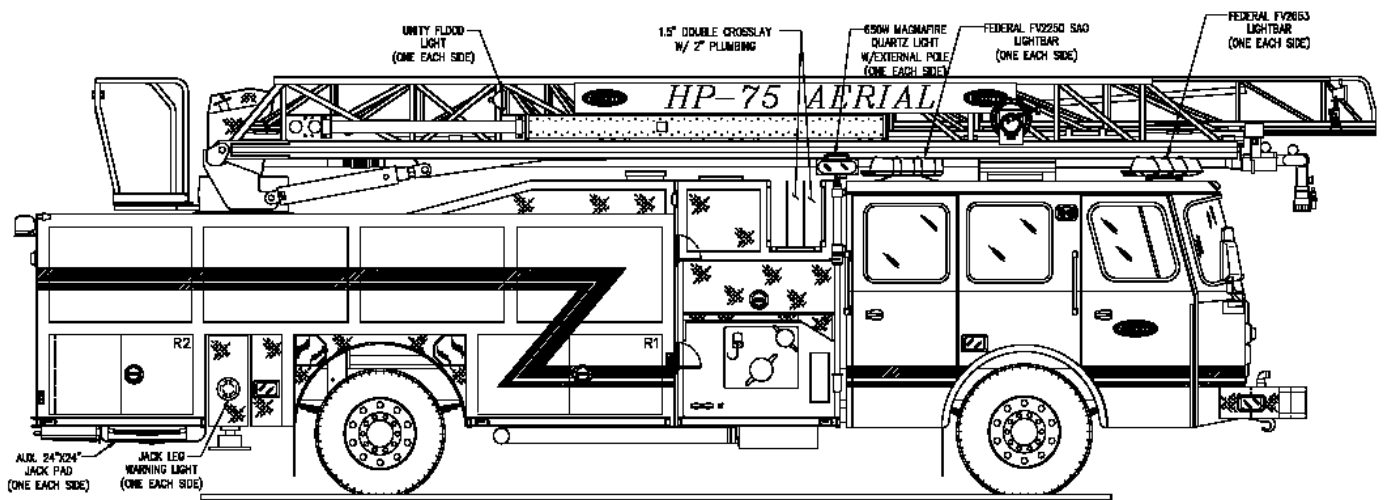
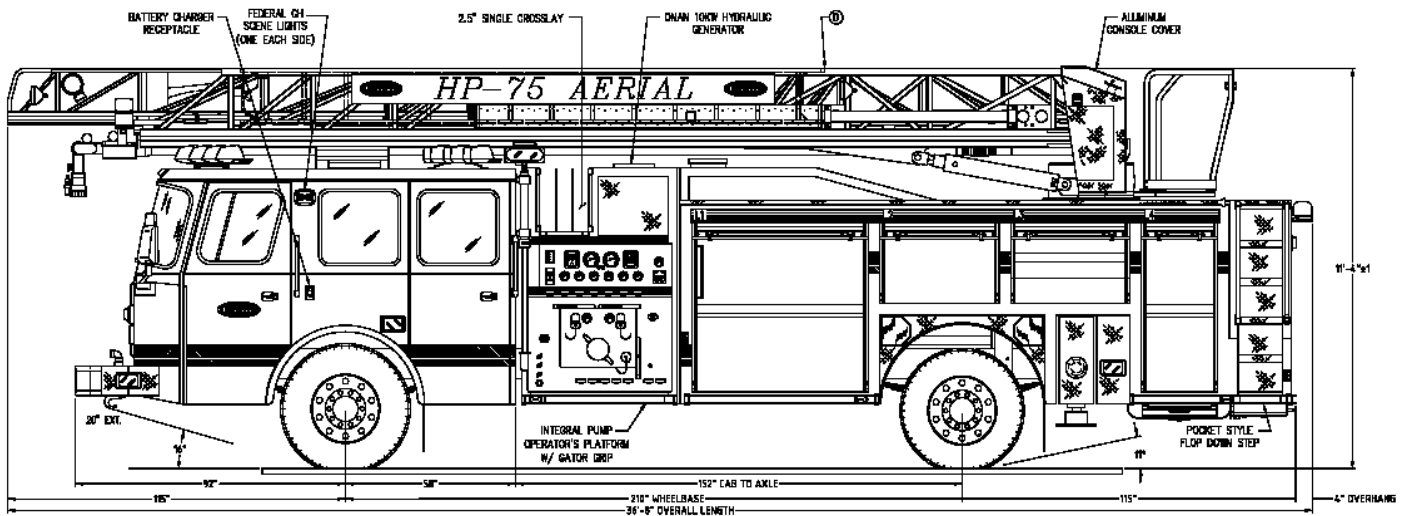


HP-75 Aerial Ladder

Cyclone Cab & Chassis

2000 GPM Pump ~ 500 Gallon Water Tank

All-Aluminum Construction



HP-75 *SideStacker* ~ Stock Units Available

Chassis:

Emergency-One CYCLONE-II

Wheelbase: **210"**
GVWR: 49,700 lbs.
Front Axle: 18,700 lbs. with 45° steering cramp angle.
Rear Axle: 31,000 lbs. single rear axle
Engine: Cummins ISM @ 450 hp – Jacob's engine brake
Transmission: Allison EVS4000, 5-speed automatic transmission
Alternator: 290 amp Neihoff model
Front Tires: 385/65R 22.5
Rear Tires: 315/80R
Aluminum disc wheels front and rear with chrome trim
Four heavy duty 12-volt Group 31 maintenance free batteries
Stainless steel extended front bumper; 10" high x 20" extension with hose storage tray
Air brake system with ABS, automatic slack adjusters ~ Bendix AD-9 Air Dryer
Two heavy-duty front and rear tow eyes
Grover air horns
Front and rear mud flaps
Fluid capacity and type plate

Cab:

Fire service specialized 4-door tilt cab with fully padded interior
Fully enclosed all-welded 3/16" aluminum cab – exceeds ECE R-29 crashworthiness standard
Aluminum extrusion cab structure and roll-cage system.
Tilt-Table tested for accurate low center-of-gravity – excellent maneuverability
Seating for Six (6) with 3-point seatbelts installed for crew members including (5) SCBA seats.
Interior lighting includes four (4) step lights and four (4) individually switched dome lights.
Heater, defroster and deluxe air conditioning - Tinted windows
Ramco mirrors - remote controlled with upper convex mirror.

Body:

All-aluminum extruded modular body. Sidewall thickness is 3/16". Body structure securely fastened to steel chassis/torsion frame.
All horizontal surfaces, rear steps, walkways and the rear body surface are constructed from aluminum fire apparatus quality tread brite.
Bolt-on aluminum extrusion rub rail provided on each side of body and at rear.
Staircase located at left body for aerial access.

Equipment Compartments:

6-large equipment compartments for firefighting equipment as shown in drawing.
Over **145** cubic feet of total usable storage space
All compartment floors are 3/16" thick aluminum treadplate
4-SCBA bottle storage tubes in wheel wells
SideStacker[™] hose bed for up to 1000 x 5" LDH hose storage

HP-75 *SideStacker* ~ Stock Units Available

Plumbing:

Hale model QMAX pump rated @ **2000** gpm ~ **500** gallon Poly water tank
One (1) 1.75" Front bumper *jump-line* and hose tray
Two (2) 1-3/4" crosslays with 2" full flow plumbing
One (1) 2-1/2" crosslay Blitz-line
4" waterway discharge with *Akron* 1000 gpm 3578 Monitor & 5077 nozzle
Automatic relief valve installed in aerial waterway – 4" rear waterway inlet
Two (2) 2.5" left side discharges and chrome elbows
One (1) 2.5" right side discharge and chrome elbow
One (1) 4" right side discharge
One (1) 2.5" left side suction intake

Lighting / Warning / Electrical:

All lighting and warning equipment is NFPA 1901 compliant
Battery charging and Load Management systems
Federal Signal PA-300 Siren and 100 watt Dynamax speaker
Federal Signal *View-Point* lightbars on cab / **4**-sets of triple & quad pods for maximum warning
Federal Signal *Sentry* rear rotating lights with red/amber domes
(10) Whelen model 600 - flashing red strobe lower level warning light system.
(4) 12vdc Scene lights over the cab front doors and upper rear body
Each body compartment light wired to dash mounted door ajar light
All NFPA and DOT required step, door, compartment, and body lighting, vehicle lights, etc.

- **10,000** watt PTO gen-set with dual 650w Quartz lights on rear cab corners
- A **200'** x 10/3 110v cord reel with electric rewind / rollers inside rear compartment

75' Aerial & Stabilizers

All-aluminum high strength 3-section aerial device with 75' vertical NFPA reach; designed with a 2.5-to-1 structural safety factor. Stability safety factor of 1.5-to-1 (includes when on up to 5° grades)

Extremely wide ladder sections with high handrails for easy climbing when needed

Akron 5077 / 3578 monitor and nozzle offers 3-way operations for vertical and side sweep, with fog pattern and straight stream nozzle. Flowminder included monitoring GPM flow - Pinnable Water-way

550 lbs. tip capacity; 500 lbs. man-power and 50# equipment allowance.

12v floodlights located at the base and tip – 650w quartz lights at aerial tip – 110v power to tip

Emergency One's well known *quick-deploying* and pin-free jacking system. Can be fully set up in under 40-seconds - Jack spread of **16'**

Jack extension indicator light in cab and jack deployment alarm included.

One 12-volt deck light per jack leg to illuminate area where jacks are set.

HP-75 *SideStacker* ~ Stock Units Available

Finish:

Chassis frame / torque box painted black.

Exterior finish acrylic urethane high gloss enamel in 2-Tone (white-over-red) pattern

Reflective striping on jack legs

Reflective Scotch-lite (4" / 2") white & blue Z-stripes on body and cab

Delivery, Training & Technical Documentation:

Delivery to local *Emergency One* dealer included

Dimensions: **11'- 4" high** x **100" wide** x **36' – 8" long**

General video tape, describes typical operations and maintenance of the apparatus.

CD-ROM chassis, parts & service "manuals" with maintenance and troubleshooting notes along with full operation instructions. Three days of training will be conducted at the department by a qualified *Emergency One* aerial training engineer. Wiring and air schematics also included.

115' of Alco-Lite NFPA ground ladder fleet is included

Warranties:

Lifetime E-One poly water tank - Lifetime frame warranty - 20-year aerial structural warranty

10-year cab and body structural warranty - 10-year stainless steel plumbing warranty

10 year paint warranty - Lifetime corrosion perforation warranty - 1-year basic vehicle warranty

