HP 75

E-ONE

When lives are in the balance and seconds count

HP 75

Integral Fly Section:

The ladder tip is integral to the ladder fly section for maximum strength. The full-height, full-length handrail aids in working from and getting on and off the ladder tip. 50-lbs of firefighting equipment is included in the 550-lb capacity. A retractable, pinnable waterway is an option.

All Extruded-Aluminum Construction:

The HP 75 has the widest ladder sections and highest handrail height to facilitate personnel movement.

Using high strength 6061-T6 aluminum-alloy extrusions achieves a high strength-to-weight ratio resulting in an extremely strong and lightweight aerial ladder. The aluminum ladder is corrosion-resistant for extended years of service. Ladder sections are "K"-braced for added strength. Ladder rungs have an integral slip-resistant surface eliminating the need for rubber rung covers. The swirled, natural finish requires little maintenance and painting of the aerial is not required. Welds and associated ladder assemblies are easily inspected.

Two people at the tip:

The HP 75 is designed with a 550-lb. rated load capacity and a 2.5 to 1 structural safety factor as defined by NFPA 1901. This exceeds the NFPA 2 to 1 requirement. In addition, the HP 75's safety factor calculation includes water in the pipes. When flowing 1000-GPM, the HP 75 maintains a minimum 2 to 1 safety factor with the nozzle reaction.

Left Body Side:

The SideStacker has a convenient angled staircase for turntable access on the driver side. The left-side rescue body provides full-height 24" deep upper and 26" deep lower compartments for maximum storage space. Left and right sides combine to a total of 154 cu. ft. of storage. Optional painted roll-up doors compliment the appearance of this apparatus.

HP 75 SideStacker Design:

The SideStacker® has the following unique features:

- Can repack the hosebed without moving the aerial device
- A short 210" wheelbase with 45 degree steering cramp angle
- 500-water tank capacity
- Water tank sits on frame rails for a lower center of gravity – others have tanks above ladder storage areas
- Full NFPA 1901 ladders (115')
- Only needs an 18700 front and a 31000 rear axle
- Full-depth and full-height left-side compartments

AIS:

The optional Aerial Information System simplifies operations by providing mission specific screens. The system details the aerial's position waterflow and lead chart.

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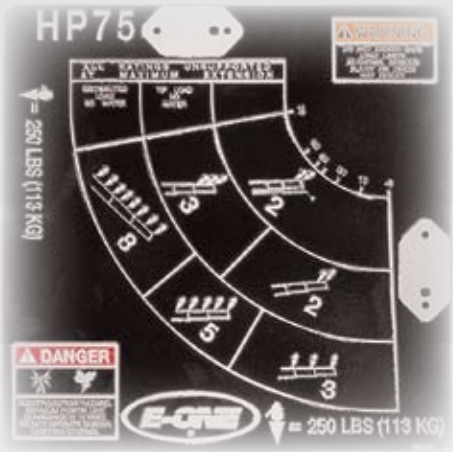
Alley jacking system

Specifications

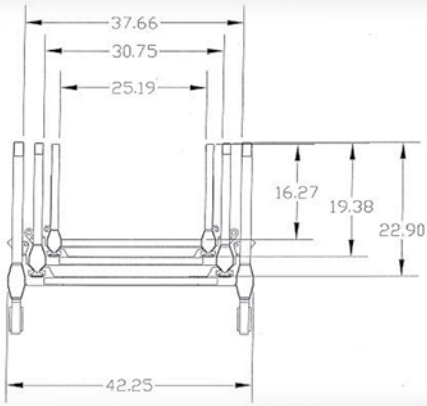
Chassis
- Typhoon or Cyclone II chassis
- Wheelbase: 210" to 230"
- Cummins or Detroit Diesel Engines
- Allison EVS 3000 or 4000 transmission
- Medium, long and extra long cabs
- ALS compartments with interior and exterior access

Aerial
- 550-lb rated capacity
- Waterway with 90 degree nozzle side sweep

Body
- 115' ground ladders
- Overall height of 11'4"
- Overall length of 37'7"
- Hale or Waterous Pumps
- CAFS optional
- 154 cu. ft. of storage
- 55 cu. ft. hosebed
- 1000' of 5" hose and 300' of 3" hose
- Hydraulic generators
- 2.5 to 1 safety margin
- No pins needed to set stabilizers
- 16' jack spread
- No spread alley system optional



NFPA 1901 Required Load Chart
The HP 75 aerial is rated in multiple configurations clearly shown on a permanently mounted load chart on the ladder base section. Tip-loads and distributed loads are graphically depicted eliminating the need for any auxiliary load sensing systems. An inclinometer is standard equipment on all load charts.



Ladder cross section

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