



WE INNOVATE EVERY DAY.
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HP 75 LADDER



SPECIFICATIONS

EXCEEDING EXPECTATIONS.

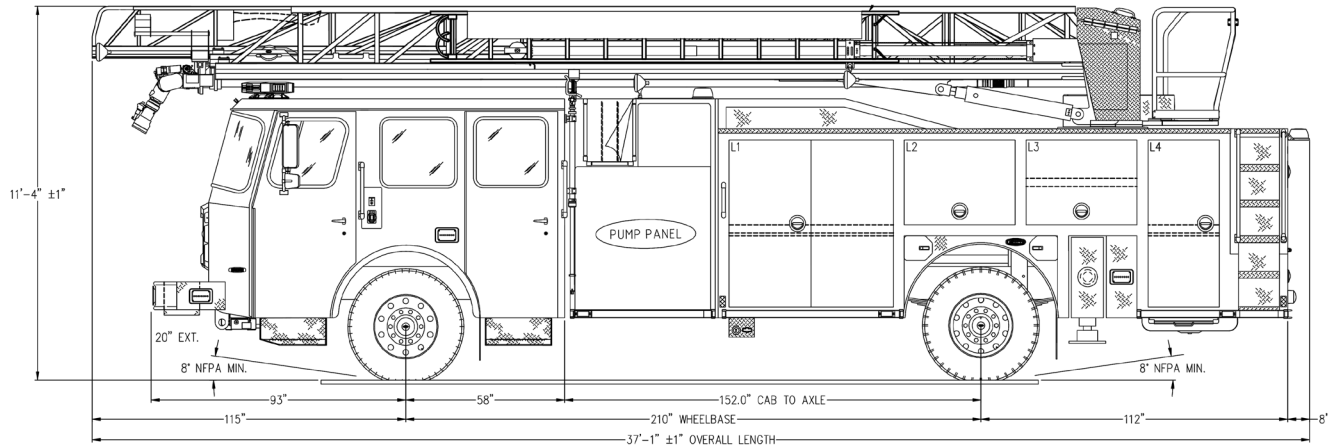
E-ONE's HP 75 features an extruded aluminum ladder that exceeds NFPA's 1901 requirements with a 2.5 to 1 structural safety factor. No other manufacturer consistently offers you this commitment to safety. In addition, the aluminum aerial will not rust, never needs painting, or ever require rung cover replacements.

Like all E-ONE aerials, the HP 75 is available on one of the industry's three most trusted custom chassis - Typhoon®, Cyclone® II, and the Quest®. Our cabs are engineered with an extruded aluminum roll-cage cab design for added protection for you and your crew.

With the combination of generous compartmentation, ground ladder storage, hosebed and tank size, the HP 75 outperforms, out maneuvers and provides greater value than the competition.

OUR VEHICLES CONNECT AND PROTECT
PEOPLE AROUND THE WORLD EVERY DAY.





CHASSIS

- Quest®, Cyclone® II or Typhoon® chassis
- Medium, long and extended length 4-door cabs available
- Optional split-raised roof
- 210"-230" wheelbase
- Up to 600 HP Engine
- Standard safety features such as roll cage cab, CrewGuard & ABS brakes
- Optional safety features such as airbags & G4 (electronic stability control)

AERIAL

- 75' aluminum ladder with 2.5 to 1 structural safety factor
- Ladder rated at 550 lbs. (500 lbs. firefighters and 50 lbs. equipment) wet or dry
- Single set of jacks with a spread of only 16'
- Over 25" fly section width permits stokes basket to fit between handrails
- Optional short jack feature with 200 degree rotation and "alley" mode
- 11'4" +/-1" overall height
- 4" lower overall height available with no intrusion into cab
- 7" lower overall height available with CII aerial cab
- Options include aerial information system (AIS), pinned waterway,
- 2.5" valve at tip, pump panel aerial controls, and ladder, axe and pike pole brackets

BODY

- Body available in extruded aluminum or stainless steel
- Available in center hosebed and two SideStacker® configurations

- Sidestacker® body features high and low full-depth compartments
- Sidestacker® body configurations offer up to 172 cubic feet of storage and up to 55 cubic feet of hosebed storage with the ability

FIRE PACKAGE

- Hale® or Waterous® pumps up to 2000 GPM
- 300-500 gallon water tank
- Stainless steel discharge manifold
- Optional foam systems; direct injection, CAFS and around the pump (ATP)
- Customizable discharges and preconnects to meet departments needs

ELECTRICAL

- Multiplex electrical system with color display provides increased feature capability and improved diagnostics
- Whelen® optical and audible warning packages standard, others optional
- Options include LED scene lights, LED ladder climbing lights and 6-20 kW hydraulic generators



E_{max} 75 ft



E_{max} 75 ft
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SAE Turning Radius Calculations for Quote No. 79659

Wheelbase:	230"	Front Bumper Size:	10"
Body Width:	100"	Front Bumper Extension:	20"
Front Axle Kingpin Center:	68.83"	Front Wheel Type:	ALUMINUM
Front Axle Track:	81.47"	Rear Wheel Type:	ALUMINUM
Front Axle Tire Width:	16.2"	Tire Brand:	MICHELIN
Dimension Over Rear Tires:	99.52"		
Body Front Overhang:	92"		

Inside Cramp Angle	S. A. E. Turning Radius	Tire Curb Clearance	Bumper Swing Clearance	Minimum Inside Radius
35	38.8'	39.5'	43.6'	26.1'
36	37.9'	38.6'	42.9'	25.1'
37	37.1'	37.8'	42.1'	24.2'
38	36.4'	37'	41.4'	23.3'
39	35.6'	36.3'	40.8'	22.4'
40	34.9'	35.6'	40.2'	21.6'
41	34.3'	35'	39.6'	20.8'
42	33.7'	34.3'	39'	20'
43	33.1'	33.7'	38.5'	19.3'
44	32.5'	33.2'	38'	18.6'
45	32'	32.6'	37.5'	17.9'
46	31.4'	32.1'	37'	17.2'
47	30.9'	31.6'	36.6'	16.6'
48	30.5'	31.1'	36.2'	16'
49	30'	30.7'	35.8'	15.4'
50	29.6'	30.2'	35.4'	14.8'

Nominal Cramp Angles:

Meritor FL941 & FL943 axles: up to and including 425/65R22.5 tires	45 degrees ✓
Meritor FL941 & FL943 axles: 445/65R22.5 tires	38 degrees
Dana I220W axle: up to and including 445/65R22.5 tires	42 degrees
Reyco IFS: up to and including 385/65R22.5 tires	48 degrees
Reyco IFS: 425/65R22.5 tires	45 degrees
Reyco IFS: 445/65R22.5 tires without front intake	42 degrees
Meritor Front Drive Axle: up to and including 425/65R22.5 tires	37 degrees
Marmon Herrington Front Drive Axle: up to and including 425/65R22.5 tires	42 degrees

This Turning Radius report reflects how the quote was configured. Any succeeding changes may slightly alter the turning radius of the vehicle and the data in this report.