

# E-One

## P23 8x8x4 ARFF Airport crashtender

### GENERAL

ID number	D010024
Brand	E-One
Type	P23 8x8x4 ARFF Airport crashtender
Chassis number	10024
1st Registration Date	03-06-1994
Mileage (Km)	11400
Country of registration	US
Dimensions	970x295x370

### POWERTRAIN

Differential lock	✔
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### AXLES

Number of axles	4
Number of driven axles	4

### TANK

Volume (Liters)	12500
Number of compartments	1
Volume compartments (Liters)	Water tank 12500 liters, chemical tank 1900 liters
Tank material	Staal
High pressure pump	✔



## ADDITIONAL INFO

E-One / Teledyne Continental 8x8x4 ARFF  
Aircraft crash tender, Working hours: 2100 hrs,  
12500-litre water tank // Specifications //  
Width:298.6 cm. , Length:966.2 cm., Height:  
368.2 cm. (reduce to 338.5 cm. by pushing  
down on foam overflow tube if needed) , Weight  
Full: 35325.8 Kg. , Weight Empty: 19571.6 Kg.  
Ground Clearance: 45.7 cm. Turning Radius:  
30.5 m., Angle of Approach: 30 degrees , Angle  
of Departure: 34.5 degrees // Fuel System //  
Dual tanks holding a total of 109 gallons - 408.8  
L of diese, JP-4, JP-5, and JP-8 type fuels can be  
used if diesel is not available. Tank caps are  
non-venting but the tanks themselves are  
vented with piping to the top of the truck //  
Engine // Detroit Diesel Allison, 738 Cubic  
inches - 12093.7 cc capable of producing 575  
horsepower at 1594 foot pounds of torque  
2161.2 Nm , Proper idle speed under normal  
conditions is 700 rpm. // Cooling System //  
Operating temperatures range from 73.9  
degrees C -- 110 degrees C , Thermostat starts  
to open at 80.6 degrees C and is fully open at  
88.9 degrees C, The entire system holds 121.1 L  
of coolant // Central Tire Inflation System (CTIS)  
Tire pressures for various operating conditions  
can be controlled by the CTI panel // Highway  
65 MPH - 104.6 Km/h 60 Minutes 87 PSI - 6 bar  
Cross-Country 55 MPH - 88.5 Km/h Continuous  
45 PSI - 3.1 bar Mud/Snow/Sand 20 MPH - 32.2  
Km/h Continuous 33 PSI - 2.3 bar Emergency 5  
MPH - 8 Km/h 5 Miles - 8 Km Max 15 PSI - 1.0  
bar // Firefighting Systems Specifications: Water  
Tank Capacity: 3,300 Gallons - 12492 L , Single  
Stage Centrifugal Pump , Rated at 2,000 GPM  
- 7571 L at 200 PSI - 13.8 bar at 2100 RPM .  
Foam Tank Capacity: 500 gallons - 1893 Around  
the pump foam proportioning system can  
deliver 2.8% to 3.5% AFFF. Uses a metered  
multiple orifice control plate. Fire Truck  
mechanics should only change. Roof Turret  
1500 GPM - 6607 L High Flow and 750 GPM -  
3304 L Low Flow. Can reach distances up to  
76.2 m in straight stream pattern. Dispersed  
stream has a pattern up to 22.9 m long and  
10.7 m wide. Bumper Turret 250 GPM- 1101 L -  
No high or low flow selection. Can reach  
distances up to 45.7 m in straight stream  
pattern. Dispersed stream has a pattern up to  
22.9 m long and 10.7 m wide // Dry Chemical  
System // 500-pound - 227 Kg capacity steel  
storage tank. Operating pressure has a range of  
220 to 240 PSI.- 15.2 to 16.5 bar . Relief  
pressure on the tank is 250 PSI.- 17.2 bar.  
Agent used is PKP/Powdered Potassium  
Bicarbonate. System uses oil free nitrogen as  
the propellant. The capacity of the nitrogen  
tank is 300 cubic feet. - 8495 L 45.7m hand-line  
has a working pressure of 250 PSI - 17.2 bar  
and a bursting pressure of 800 PSI.- 55.2 bar ,  
Nozzle has a conical discharge pattern that  
cannot be changed, with a discharge rate of 5.5  
to 7 pounds - 2.5 - 3.2 Kg of agent a second.  
Tank can last approximately 70-90 seconds  
of a constant discharge Total external  
dimensions: 970x295x370 cm.