

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.