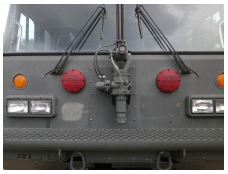
E-One

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	✔

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 Ã‚Â 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-Ã‚Â 90 seconds of a constant discharge Total external dimensions: 970x295x370 cm.