



# **FIREXPRESS<sup>®</sup>**

**First Strike Fire Fighting**



## **All Terrain Vehicle – Polaris Ranger Diesel**

The Fireexpress fire fighting all terrain vehicle is a self-contained system with a pump driven unit has a 300 litre water tank with water level gauge.

The pump driven unit consists of a gasoline engine, which drives a self priming membrane pump preset at 40 bars.

Via a selector switch, it is possible to choose either to spray with a water/foam solution or only water. The foam percentage can be preset between 1 and 6% depending on the installed orifice.

From the pump the water is forced into a 50 metre hose, which is connected to the lance. The lance is operated via a pistol grip and anti-slip grip.

It is able to deliver 30 litres of water per minute or 150 litres of aspirated foam per minute at a range of 15 metres for the micro drops and 18 meter for the foam jet.

The vehicle is equipped with a suction system with a 4 metre hose with a floating filter for suction of water from external water sources such as rivers, lakes, the sea or any available water reservoir. The system can be used simultaneous with using the fire fighting system or to fill the water tank in approximately 8 minutes.

Baffle plates are installed inside the tank to increase stability during transport.

A bracket is mounted below the fire fighting unit to enable lifting by a forklift.

The fire fighting unit has an external oil drain.

The electrical system of the fire fighting equipment includes a 12 volt battery.

The fire fighting system is mounted on an American made Polaris Ranger Diesel and comes with emergency lights and siren.





## First Strike Fire Fighting

Engine type:	Honda GX160 gasoline engine with both electric and manual start
Engine performance:	3,600 revolutions per minute
Engine fuel tank capacity:	3.6 litres, sufficient for 3 hours of operation at full output
Pump:	Self priming membrane pump
Pump pressure:	Preset at 40 bars
Nozzle:	Fireexpress' patented dual nozzle
Lance measurements:	104 cm long, 4 kg
Spray options:	Micro-drops or jet stream of aspirated foam as selected by operator with instant change
Stream options:	Continuous stream or manual pulsing
Range:	15 metres for micro-drops and 18 meter for foam jet at a 50 metre hose
Water tank:	300 litre aluminium tank, sufficient water for 12 minutes on constant spray
Filling of water tank:	<ol style="list-style-type: none"> <li>2½" BS 336/Storz coupling for quick filling</li> <li>11 cm hole at the top of the tank with filter for dump filling</li> <li>Suction system with 4 metre 1" hose with quick coupling and floating filter with stainless steel mesh for sucking up water from external water sources. Filling speed is 38 litres per minute. Full tank is achieved in 8 minutes.</li> </ol>
Flow:	30 litres per min. (micro-drops), 150 litres per min. (aspirated foam)
Foam system:	Integrated foam systems with a 12 litre foam container
Recommended foam solution:	3% AR-AFFF (alcohol resistant) foam solution
Foam expansion:	Low expansion rate, approximately 1:5
Hose:	50 metre ½" hose on reel with manual rewind
Hose type:	Oil and temperature resistant (-40° C up to +100° C) according to EN 854
Corrosive resistance:	<p>Housing of pump driven unit – powder coated aluminium</p> <p>Base plate of pump driven unit – stainless steel type AISI 304</p> <p>Water tank – powder coated aluminium</p>
ATV features:	3 cylinder diesel engine, 1028 cc engine displacement, on demand true AWD/2WD/Versa trac turf mode
ATV fuel tank capacity:	37.9 litres
Towing load:	907 kg on level ground
Emergency features:	2 strobe lights at the front, 1 strobe light on roll-over-bar, electronic siren
Safety features:	Safety roll cage fitted
Accessories:	<p>Fire fighting equipment: Lance with cleaning nozzle, flat jet spray adapter for penetration of forest floor, orifice for adjusting foam percentage.</p> <p>Vehicle: roof, front frame with windshield incl. sprinkler and wiper</p>
Dimensions (L x W x H):	296 x 152 x 205 cm
Fire fighting capability:	<p>Able to fight class A, B, C and E fires</p> <p>Tested according to EN 3-7 standard</p> <p>Approved for electrical fires up to 10,000 volts</p>

Product information and specifications are subject to change without notice.

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