



# **FIREXPRESS**<sup>®</sup>

**First Strike Fire Fighting**



## **Fire and Rescue All Terrain Vehicle**

The Fireexpress fire and rescue all terrain vehicle has a self-contained system with a pump driven unit, a 300 litre water tank and a 12 litre tank for foam, and a foldable two-piece basket stretcher fixated on the water tank.

The pump driven unit consists of a petrol engine with electric and manual start, which drives a self priming membrane pump preset at 37 bars as well as a foam dosing system.

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 discharge hose, which is connected to the lance. The lance is operated via a pistol grip. The hose can be extended up to a length of 100 metres. 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.


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

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.

A foldable two-piece basket stretcher is mounted on the left side of the water tank.

The fire fighting system is mounted on an American made Polaris Ranger XP 900 and comes with emergency lights and siren.

The Fireexpress fire and rescue ATV is an all terrain vehicle especially designed for fast response fire fighting and rescue when rough terrain has to be navigated or some distance needs to be driven.





## First Strike Fire Fighting

Engine type:	Petrol engine with both electric and manual start (standard)
Engine performance:	3,600 revolutions per minute
Engine fuel tank capacity:	Min. 3.1 litres, sufficient for 1.8 hours of operation at full output (petrol engine)
Pump:	Self priming membrane pump
Pump pressure:	Preset at 37 bars (recommended pressure)
Spray device:	Fireexpress lance with patented dual nozzle
Nozzle pressure:	30 bars at pump pressure of 37 bars and 50 metre discharge hose
Lance measurements:	104 cm long, 4 kg
Spray options:	Micro-drops or jet of aspirated foam as selected by operator with instant change
Stream options:	Continuous stream or manual pulsing
Spray range:	15 metres (micro-drops and foam jet) at 50 metre discharge hose
Water tank:	300 litre aluminium tank, sufficient water for 10 minutes on constant spray
Filling of water tank:	1. 11 cm hole at the top of the tank with filter for dump filling 2. 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.
Flow:	30 litres per min. (micro-drops), 150 litres per min. (aspirated foam)
Foam system:	Integrated dosing foam system with 12 litre foam container
Recommended foam solution:	3% AR-AFFF (alcohol resistant) foam solution
Foam expansion:	Low expansion rate, approximately 1:5
Discharge hose:	50 metre 1/2" hose on reel with manual rewind
Hose type:	Oil and temperature resistant (-40° C up to +100° C) according to EN 854
Corrosive resistance:	Shell of pump driven unit – powder coated aluminium Base plate of pump driven unit – stainless steel type AISI 304 Water tank – powder coated aluminium
ATV features:	875 cc engine, 68 HP, 4 stroke twin cylinder, on demand all-wheel drive
ATV fuel tank capacity:	37.8 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:	Roll-over bar
Stretcher:	High-density polyethylene shell supported by a permanently attached heavy-duty aluminium frame. Moulded-in runners, handholds, four two-piece 5' quick-release patient restraints.
Optional accessories:	Flat jet spray adaptor for penetration of forest floor, orifice for adjusting foam percentage, noise reduction compartment, extension discs for hose reel, hose guide rollers, discharge hose up to 100 metres, BS 336 or Storz coupling for fast filling, tool box, road registration package
Dimensions (L x W x H):	296 x 152 x 205 cm
Weight:	1,039 kg (fully loaded)
Fire fighting capability:	Able to fight class A, B, C and E fires Tested according to EN 3-7 standard Approved for electrical fires up to 10,000 volts

Product information and specifications are subject to change without notice.

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