



FIREXPRESS®

First Strike Fire Fighting



All Terrain Vehicle – Polaris Ranger 800 XP

The Fireexpress fire fighting all terrain vehicle is a self-contained system with a pump driven unit, a 300 litre water tank and a 12 litre tank for foam.

The pump driven unit consists of a Honda GX 160 4.8 HP petrol engine, which drives a self priming membrane pump preset at 37 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.


It is able to deliver 24 litres of water per minute or 120 litres of aspirated foam per minute at a range of 15 metres.

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.

The fire fighting system is mounted on an American made Polaris Ranger 800 XP and comes with emergency lights and siren.

The Fireexpress ATV is an all terrain vehicle especially designed for fast response fire fighting when rough terrain has to be navigated or some distance needs to be driven. The ATV can pull a trailer or sleigh and can be used to bring injured people through rough terrain to the nearest road.





First Strike Fire Fighting

Engine type:	Honda GX 160 4.8 HP petrol 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 37 bars
Nozzle:	Fireexpress' patented dual nozzle
Nozzle pressure:	23 bars at pump pressure of 37 bars and 50 metre hose
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 (micro-drops and foam) at 50 metre hose
Drop size (micro-drops):	7-100 microns (micro-drops)
Water tank:	300 litre aluminium tank, sufficient water for 12 minutes on constant spray
Filling of water tank:	<ol style="list-style-type: none">11 cm hole at the top of the tank with filter for dump fillingSuction 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:	24 litres per min. (micro-drops), 120 litres per min. (aspirated foam)
Foam system:	Integrated 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
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:	Housing 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:	760 cc engine displacement, 46 HP, 4 stroke twin cylinder, on demand all-wheel drive
ATV fuel tank capacity:	33.3 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
Accessories:	Lance with cavity spear, lance with cleaning nozzle, flat jet spray adapter for penetration of forest floor, Storz coupling for fast filling, orifice for adjusting foam percentage.
Dimensions (L x W x H):	290 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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Fireexpress A/S

Lille Blodevej 3 • DK-3600 Frederikssund • Denmark

Tel. + 45 47 31 30 45 • Fax + 45 47 31 22 33 • www.fireexpress.com