



First Strike Fire Fighting



Pump Driven Unit – Diesel Version

The Fireexpress pump driven unit is the most versatile of the Fireexpress systems as it can be configured for use in many locations. The unit consists of a Lombardini 15 LD 315 6.8 HP or Hatz 1B30 7.3 HP diesel engine, which drives a self priming membrane pump preset at 37 bars.

It has an integrated foam system with a 12 litre container for AFFF foam. The unit must be connected to a separate water tank, which either can be tailor made or an already existing water tank in e.g. a traditional fire engine.

The system can have a secondary foam system installed to either increase the quantity of fire fighting foam or for carrying detergent/hazmat foam. Via a selector switch, it is possible to choose using foam from either foam containers or no foam at all.

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. The hose can be extended up to a length of 100 metres.

With its ability to deliver 24 litres of water per minute or 120 litres of aspirated foam per minute at a range of 15 metres, it is the most powerful system in the Fireexpress range of products.

As the pump driven unit can be connected to an external water tank of any size and dimensions it is suitable in many situations such as traditional fire engines or almost any other four-wheeled vehicle with a special designed water tank.



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Engine type:	Lombardini 15 LD 315 6.8 HP or Hatz 1B30 7.3 HP diesel engine with both electric and manual start
Engine performance:	3,600 revolutions per minute
Engine fuel tank capacity:	Lombardini 15 LD 315 – 4.3 litres, sufficient for 3 hours of operation Hatz 1B30 – 5.0 litres, sufficient for 3 hours of operation
Pump:	Self priming membrane pump
Pump pressure:	Preset at 37 bars (recommended pressure)
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
Water tank:	Flexible according to separate external water tank
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
Corrosion resistance:	Housing of pump driven unit – powder coated aluminium Base plate of pump driven unit – stainless steel type AISI 304
Electrical requirement:	12 volt, min. 44 AH recommended
Accessories:	Water container, secondary foam system, lance with cavity spear, lance with cleaning nozzle, flat jet spray adapter for penetration of forest floor, hose up to 100 metres, orifice for adjusting foam percentage
Dimensions (D x W x H):	65 x 58 x 53 cm (pump driven unit) 45 x 57 x 48 cm (hose reel with 50 metre hose)
Weight:	125 kg (pump driven unit, hose reel with 50 metre hose, lance)
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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