



**First Strike Fire Fighting**



## **Pump Driven Unit – Electric 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 5.5 HP/4 kW electric motor (220 or 400 volt AC), which drives a self priming membrane pump preset at 37 bars.

It has an integrated foam dosing 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 dosing 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 container 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 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.

With its ability to deliver 30 litres of water per minute or 150 litres of aspirated foam per minute at a range of 15 metres, it is the most powerful system in the Fireexpress range of products.

The pump driven unit can be connected to an external water tank of any size and dimer  it is suitable in situations where engine

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Standard electric motor, 5.5 HP/4kW, 220 or 380 volt AC

Motor performance:	3,600 revolutions per minute
Electric requirement:	220 or 380 volt AC, 50Hz
Pump:	Self priming membrane pump
Pump pressure:	Preset at 37 bars (recommended pressure)
Spray device:	Firexpress 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:	Flexible according to separate external water tank
Flow:	30 litres per min. (micro-drops), 150 litres per min. (aspirated foam)
Foam system:	Integrated foam dosing 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 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:	Shell of pump driven unit – powder coated aluminium Base plate of pump driven unit – stainless steel type AISI 304
Optional accessories:	Water tank, secondary foam dosing system, 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, 12 volt battery, transport pallet, hour metre, suction system with 5 metre 1” hose and floating filter with stainless steel mesh for sucking up water from external water sources (suction speed is 38 litres per minute), AFFF fire fighting foam
Dimensions (D x W x H):	65 x 58 x 45 cm (pump driven unit) 45 x 57 x 48 cm (hose reel with 50 metre hose)
Weight:	95 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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