



300 Litre Tank with Pump Driven Unit

Firexpress

The Firexpress 300 litre tank with a pump driven unit is a self-contained system suitable for use in many locations.

The unit has as standard a Honda GX 160 4.8 HP petrol engine, but can be fitted with either a Lombardini 15 LD 315 6.8 HP diesel engine or a 4.0 HP standard electrical engine (3 x 400 volt AC, 3KW). The engine drives a self priming membrane pump preset at 37.5 bar. It has an integrated 300 litre water tank and foam system with a 12 litre container for AFFF foam solution.

The system can have a secondary foam system installed to either increase the quantity of fire fighting foam or for carrying an alternate detergent/hazmat foam solution. Via a selector switch, it is possible to choose from either foam containers or no foam at all. The foam percentage can be preset between 1% and 6% depending on the selected orifice.

Water is able to be pumped through 50 metres of hose (and can be extended to a length of 100m), which can be connected to a lance. The lance is operated via a pistol grip.

It is able to deliver 33 litres of water per minute or 165 litres of aspirated foam per minute at a range of 15 metres.

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

The tank unit can be placed on the platform of a pick-up or in a central location to cover a large area, e.g. inside a building. The tank unit can be mounted with a bottom frame for enabling transport by a fork lift.

An integrated suction system for suction of water from external water sources such as rivers, lakes, the sea or any available water reservoir simultaneous with using the fire fighting system or to fill the water tank in approximately 8 minutes, can be installed.





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Engine type	Honda GX 160 4.8 HP petrol engine with both electric and manual start (standard)
Engine performance	4,000 revolutions per minute
Engine fuel tank capability	3.6 litres, sufficient for 3 hours of operation at full output
Pump	Self priming membrane pump
Pump pressure	Preset at 37.5 bar (recommended pressure)
Nozzle	Firexpress' patented dual nozzle
Nozzle pressure	23 bars at pump pressure of 37.5 bar
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	300 litre aluminium tank, sufficient water for 9 minutes on constant spray
Filling of water tank	10 cm hole at the top with filter for dump filling
Flow	33 litres per min. (micro-drops), 165 litres per min. (aspirated foam)
Foam system	Integrated foam system with 12 litre foam container
Foam solution	3% AFFF (alcohol resistant) foam solution
Foam expansion rate	1:5
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 DIN 20021-2TE and EN 854-2TE
Corrosion 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
Accessories	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, steel bracket for transport by fork lift, suction system with 5 metre 1" hose 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)
Dimensions (D x W x H)	102 x 129 x 80 cm
Weight	178 kg empty (pump driven unit, hose reel with 50 metre hose, lance, water tank)
Fire fighting capability	Able to fight class A, B, C, D and E fires Tested according to EN 3-1 1997 standard Approved for electrical fires up to 10,000 volts

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