

**IFP-HX-65L****HIGH EXPANSION FOAM GENERATOR  
(PORTABLE)****SPECIAL FEATURES :**

- High output of foam even at low inlet water pressure
- Less water requirement
- Less water damage.
- Built in foam inductor with fixed or variable proportioning (1%-6%) as required.
- Single nozzle spray portable. easy to operate

**APPLICATIONS :**

**IFP-HX-65L** High Expansion Foam Generator is suitable for rapid coverage and total flooding of voluminous areas even against high back pressure. **IFP-HX-65L** is driven by easy start petrol engine as a result of which there is no loss of (normally about 35%) water required for water powered foam generator. High expansion foam generators are used for application of foam in areas where inaccessibility makes conventional methods ineffective. Foam expansion ratio being relatively higher water damage is also comparatively less. The important applications are :

- Shipholds & Engine Rooms
- Tyre & Rubber Stores.
- Cable Ducts & Transformer Rooms.
- Flammable Liquid including Paint Stores.
- Basements & Substations.
- Aircraft Hangars.
- Shipholds & Engine Rooms.
- Tyre & Rubber Stores.
- Chemical Stores.
- Mining.
- Camouflaging for Civil & Military purposes Etc. Etc.

**FOAM CLEARING :**

After the area has been secured, the foam can be cleared by simply hand sweeping or blowing off by compressed air minimising eventual water damage.

**SPECIFICATION :**

**TECHNICAL DATA ( ± 5%)**

<b>Model</b>	<b>IFP-HX-65L</b>	
Minimum inlet water pressure (bar)	2.5	
Nominal water flow (LPM)	65	
Foam expansion ratio (IFP UNIFOAM)	1:750-1:1200	
Foam output	LPM	48000-75000
	M <sup>3</sup> /MIN	48-75
Proportioning (induction) (to suit customer requirement)	Fixed 3% / 6% Variable 3% - 6%	
Water inlet	63 mm instantaneous male coupling	

**DIMENSIONS (approx) :**

<b>Model</b>	<b>IFP-HX-65L</b>
Length (mm)	1000 / 1300
Width (mm)	800
Height (mm)	760

**MATERIALS OF CONSTRUCTION :**

<b>Model</b>	<b>IFP-HX-65L</b>
Body/ shell	SS (304 grade)
Nozzle	GM
Screen	KF / SS
Coupling	GM / AL. Alloy / SS
Fan	AL
Frame	S.S.
Foam duct (10 m long)	Polythene (Disposable Type)
Petrol engine	2 HP 3000 RPM air cooled easy "SPIN-START" with "RE-WIND"

**KF.:**Knited Fabrics , **AL:** Alluminium ; **SS :** Stainless Steel; **GM :** Gun Metal.

**ELECTRIC MOTOR DRIVEN VERSION : 2 HP 3000 RPM 50 ~ 440 V (OR 220 V ) A.C. MOTOR ALSO AVAILABLE.**

**Fire Science Behind High Expansion Foam :**

*Oxygen in the air supports combustion and removal of air supply is one of the most rapid and effective ways of extinguishing fire. When a large volume of high expansion foam is released in a fire area it not only replaces air of that area but also provides cooling effect on the surface of the burning materials. In case of deep seated fires in timber, wood, cotton and paper bails, rubber etc. drained out water from high expansion foam while cooling the surface area of the materials also penetrates inside much faster than ordinary water because of reduced surface tension of foam water solution. This phenomenon helps to reduce the temperature below the burning surface in case of class A fire.*

*Due to continuous R&D Work, effects of product improvements are incorporated in the specifications as and when required.*

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