

Fibremaster 500

Electric Powered Insulation Blowing Machines

Made by Stewart Energy Insulation Ltd



High Performance Machine Specifications:

Height:	1.68m
Length:	1.57m
Width:	0.72m
Floor Area:	1.13m ²
Weight:	415 kg
Power Supply:	230 volt cable and 16 amp plug or via a 6 kVA continuously rated generator
Air Supply:	DH33 Positive Displacement Blower
Airlock (Mk III):	182x370mm with 63mm outlet.
Airlock (Mk V):	200x370mm with 76mm outlet.

The **Fibremaster 500 Mk III** is a powerful electric-powered machine designed for UK cavity-wall contractors, particularly those operating in the domestic market. It can be installed on 3.5 ton panel vans or Luton box type vehicles, and takes up little more than 1m² of floor space. Usually powered direct from a 230v mains power supply, it can also be run off a suitable generator. It can install up to 350m² a day.

The **Fibremaster 500 MK V** uses the same hopper & processor as the Fibremaster 500 Mk III machine. However, it incorporates a wider opening between the processor & airlock, allowing greater throughput of loose fill loft materials. It has identical cavity wall production capability to the standard Mk III, but is significantly faster for loft blowing. The Mk V model is designed for contractors who mainly do cavity-wall work, but also wish to blow lofts with loose-fill fibre, including rock wool, glass wool or cellulose fibre.

Fibremaster 500 machines can run off of a single 16 amp, 230-volt socket, or a 6kVA continuous rated generator. The Fibremaster 500 series has been developed over many years, and provides a reliable solution to entry-level and experienced contractors alike.

Other electric Fibremaster 500 models are available, including the industrial 3-phase Mk IV machine. Hopper extensions can be re-orientated to allow machines to be fitted flat against a panel van bulkhead, with the controls on the left hand side.

During 2010/11 the complete Stewart Energy machine range was upgraded to meet the latest CE regulations. Machines are compliant in all aspects of manufacture with significant improvements to the electrical system, guarding and operator control. All components have been drawn in Solid Works 3D-CAD, with animations available to assist training of installers and maintenance engineers. Currently we believe we are the only company to manufacture insulation blowing machines to these standards.

Drive System & Motors

HP Blower	2.2 kW, 230v
Agitation Gear Motor	1.1 kW, 230v

Power Supply

Supplied with one 230 volt cable and 16 amp plug. Powered by a 6 kVA continuously rated generator or by 230v, 16 amp mains.

Air Supply

Air Controls	1 x DH33 Positive Displacement Blower
Air Filters	Dump Valve & Air Bleed Tap
Maximum Working Pressure	High airflow corrugated filters
	Maximum 220 mbar

Hopper Capacity

Volume (m3)	.85m3 (including hopper extension)
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Airlock (Mk III Type)

Airlock Type	Dropped Diagonal Discharge
Airlock Inlet Aperture	95mm
Airlock Diameter	182 mm
Airlock Length	370 mm
Airlock Chamber Volume	967 cm3
Airlock Outlet Diameter	63 mm

Airlock (Mk V Type)

Airlock Type	Dropped Diagonal Discharge
Airlock Inlet Aperture	200mm
Airlock Diameter	200 mm
Airlock Length	370 mm
Airlock Chamber Volume	1163 cm3
Airlock Outlet Diameter	76 mm

Machine Control Systems

Independent Air & Material: 3-button standard Fibremaster handset providing three functions: Air only, Air plus Fibre and Off. Supplied with 45 m Remote Control Lead & Handset
Compatible with Stewart Energy Radio Remote System.

Controls & Instrumentation

- 1 Voltmeter (Zero Adjustable)
- 2 x Elapsed Time Indicator (Motor Hours & Processor Hours)
- Hand Auto Control (Manual or Automatic Cut off)
- 2 x Indicator Lights (On or Run)
- Pressure Gauge
- Emergency Stop Button



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