

high output fan storage heaters

the VFMi range

The VFMi range of high output fan storage heaters has the capacity and controllability to cope with the demands of larger environments and commercial premises.

Exceptionally high heat retention gives low static case discharge and accurate responsive output is provided by the thermostatically controlled fan.

Efficient control of room temperature

A thermostatically controlled, quiet fan moves air through the hot storage core to the low-level outlet grille providing rapid room temperature lift and controlled discharge of the stored heat. At the air outlet grille hot air from the core is automatically mixed with room temperature air to ensure an even air output temperature. The thermostat has its sensor situated in the base of the heater adjacent to the air inlet side of the fan for maximum accuracy. The integral thermostat also provides close control over temperatures in large open plan office areas where localised hot or cold spots (such as those caused by electrical equipment or corridors) create 'micro-environments'. For even greater control the fan circuit may be linked to a separate timer.

Range features

- Ideal for offices, hotels, community rooms, halls and larger homes.
- Loadings from 3.4 to 6.9kW.
- Integral high accuracy thermostat.
- Frost protection setting.
- Manually adjustable input charge control.
- Controls conveniently positioned on the top right-hand side of the heater.
- Simplified assembly – supplied with secure wall fixings.
- Optional direct acting elements available.
- Accessory feet available for use on uneven surfaces or thick carpets (Only applicable when heater is fixed to wall).
- Suitable for use on all off-peak tariffs.



Model VFM32i

technical specifications

Internal Details

1 Storage Core

Material: High density bonded magnesite bricks.

2 Heating Elements

Type: Incoloy sheathed, 3 elements per heater.

3 Thermal Insulation

Front and Rear Panels – microporous silica.
Top – microporous silica.
Base and sides – vermiculite.

4 Supply Connection

Located at right hand side to rear of heater – accessible by removal of side panel assembly. Note – Heat resistant cable required for connection to heater.

5 Installation

A secure wall fixing is required for all heaters with suitable connection to the fixed wiring of the premises.

Construction Details

Galvanised sheet steel base, mounted on pressed steel feet. Side panels, front panel/air outlet grille assembly and inner skin removable for brick loading.

Controls

1 Charge Controller

Type: Hydraulic, manually adjustable from zero charge to fully charged condition.

2 Thermal Safety Device

Type: Bi-metal – automatic reset.

3 Output Control

Type: Integral room temperature sensing hydraulic thermostat fitted at installation stage. Accurate to $\pm 1^{\circ}\text{C}$. Temperature range approximately 5°C to 30°C . On/Off switch for fan. On/Off switch with neon for direct acting heating element (option).

IP Rating

N/A.

Electrical Supply

240V single phase (415V 3 phase option may be selected on installation).

Packing

1 Case Assembly

VFM24i – approx. weight 44kg.
VFM32i – approx. weight 51kg.
VFM40i – approx. weight 57kg.
VFM48i – approx. weight 63kg.

2 Storage Bricks

Packed separately in packs of 3 (see table for weight of product with bricks). Pack Part No. 007781 approx. weight 16.7kg.

Finish

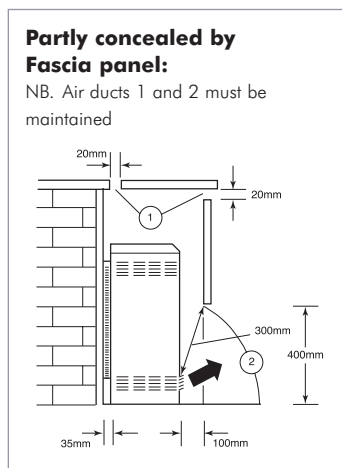
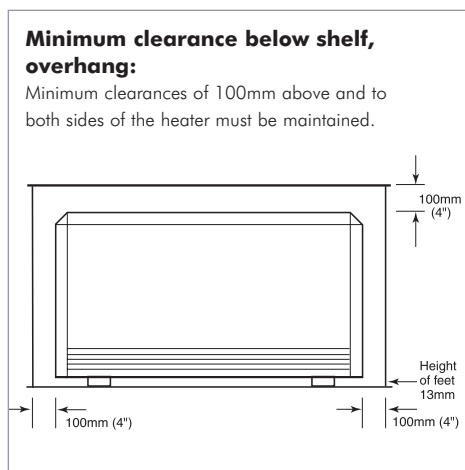
Front panel, top panel, side panels – RAL9016 – Traffic White. Grille – Birch Grey.

Accessories

Feet: Part No. SHF25i.

Direct Acting Elements for retro-fit or on heater installation.

Blanking Plugs for Control Locking (Part No 9534).



Model	VFM24i	VFM32i	VFM40i	VFM48i
Performance Input Rating	3.4kW	4.6kW	5.7kW	6.9kW
Charge Acceptance 7 hr	24kWh	32kWh	40kWh	48kWh
Heating Elements/Fans				
No. of elements/rating (Off-peak supply)	3 x 1130W	3 x 1530W	3 x 1900W	3 x 2300W
Fan rating (On-peak supply)	15W	15W	25W	25W
Dimensions				
Height	672mm	672mm	672mm	672mm
Width	776mm	926mm	1076mm	1226mm
Depth (inc. 35mm wall spacer)	285mm	285mm	285mm	285mm
Weight (installed)	138kg	177kg	216kg	255kg
No. of storage bricks	18	24	30	36
Brick packs	6	8	10	12

Optional Direct Acting Element	Input Rating	Suitable for Fan Storage Heater Model			
		VFM24i	VFM32i	VFM40i	VFM48i
zHi 070E	0.7kW	✓	✓	✓	✓
zHi 110E	1.1kW		✓	✓	✓
zHi 150E	1.5 kW			✓	✓
zHi 200E	2.0 kW			✓	✓

✓ = installation possible

For a copy of our new, more detailed commercial brochure, please ring Customer Care on 0845 600 5111