

## SAP ASSESSMENT

The difference between an unvented cylinder and a thermal store in the SAP calculation for a dwelling is negligible, despite any standing loss difference.

For a full explanation, please ask for our SAP assessor information sheet – call 01253 474401



Pricing/Orders: 01253 474400

Technical: 01253 474401

Spares: 01253 474402

Gledhill Water Storage Limited, Sycamore Estate, Squires Gate, Blackpool FY4 3RL

Tel: (01253) 474444 Fax: (01253) 474445

E-mail: sales@gledhill.net

Our appliances are distributed through Gledhill Building Products depots at Blackpool, Braintree, Bristol, Dudley, Hemel Hempstead, Huntingdon, Inverkeithing, Liverpool, Maidstone, Newport, Nottingham, Reading, Southampton, Totnes, Washington.

Information on the full range of Gledhill products can be found on the internet at [www.gledhill.net](http://www.gledhill.net)

## We support our customers in many unique ways



### FIELD SUPPORT

Gledhill have a Key Partner Charter (available on request) covering

- extended component warranty
- no quibble component replacement
- technical help line 7 days a week
- technical support on site
- contribution to costs

### EXPERIENCE

We have been involved in water storage for longer than anyone else in the industry - count on the Gledhill family when it matters.

### CARING FOR THE ENVIRONMENT

In all Gledhill products there is no release of ozone depleting substances or harmful emissions. They have an Ozone Depletion Potential of zero and a Global Warming Potential of one, in compliance with BRE Ecohomes specification. Our copper vessels are totally recyclable.



**A-CLASS**  
**ElectraMate**

Off-peak electric wet central heating and mains pressure hot water system

A unique option  
in Gledhill's  
Apartment Portfolio

Due to a programme of continuous improvement Gledhill Water Storage reserve the right to modify products without prior notice.

It is advisable to check the product technical detail by using the latest design and installation manuals available from our technical support team or on our website.

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Sustaining World Class Manufacturing through the CBI Probe Benchmark

"Only the best is acceptable"





# A-CLASS ElectraMate

## Mains pressure hot water and wet central heating from off-peak tariffs

The Gledhill ElectraMate has been established as the undisputed no1 solution for apartment building for over 7 years. An electrical appliance that can supply the benefits of mains pressure hot water with wet central heating while making the most of off-peak tariffs and yet require no pressure or temperature relief runaways, it can save tens of thousands of pounds in ducting costs alone.



### Now smaller and lighter

The A-class redesign now looks even better in the cupboard and yet takes up less space. It's simpler to position and install, yet it offers the same superb performance – mains pressure high-quality water to every tap; powerful showers; fast-filling baths and truly responsive central heating - as it ever has.

### Now simpler in operation

State of the art technology means that few controls are needed and with simplified switchgear working in timed operation, the load on the electrical supply is minimised.

### With the same superb performance

ElectraMate A-Class can provide up to of 35 litres/minute domestic hot water raised through 35°C directly from the mains.

With up to 90% of its energy usage taken at off-peak rates (Economy 10 tariff preferred), the running costs are comparable to gas heating, when annual servicing for a gas system is taken into account.

### With no runaway

You can site ElectraMate A-class anywhere. A sealed primary kit is supplied but the primary store is tank-fed so there is no need for pressure or temperature relief valves or associated runaway pipework and this can save tens of thousands of pounds in an apartment building.

### It's a true appliance that's highly insulated

All system components are installed, factory-tested and enclosed within an attractive steel casing. The highest level of environmentally-friendly insulation ensures reduced standing losses and low cupboard temperatures

### No annual service required

The appliance's advanced construction ensures a long life and the primary store design removes the need for annual checks on sacrificial anodes, found on many unvented units.

### On board diagnostics that can be interrogated remotely\* and fault tolerant electronics give robust performance

### Manual fill - no overflow or run-off pipe needed

\* requires additional equipment

## THE UNDISPUTED No.1 MAINS PRESSURE HOT WATER AND HEATING SYSTEM FOR APARTMENTS IS NOW EVEN BETTER

Technical Specification of <b>ElectraMate</b> A-CLASS	
Model	EM 225
Overall dimensions (mm)	
Height	1550
Width	530
Depth (mm)	595
Minimum cupboard dimensions (mm)	
Height	2100
Width	650
Depth	600
Pipe connections (mm)	
Central heating circuit	22
Hot and cold water	22
Max hot water flow rate (l/min)	35
Electrical rating at 230V, 50Hz ac (kW)	6.5
Dwelling type	
Bedrooms	1-2
Bathrooms	1
En-suite shower	1
Nominal volume (litres)	225
Weight (kg)	
Empty	90
Full	315
System pressures	
Thermal store (open vented) maximum pressure	10m
Central heating circuit (sealed) maximum pressure	3.0bar
The maximum design heat loss of the dwelling is 6.5kW but the optimum running cost will be achieved at around 4.5 kW with the preferred E10 tariff.	

Notes:  
Height dimension does not allow for the 100mm installation base.

### Easy to transport, handle and install

ElectraMate A-Class is supplied shrink wrapped with in-built moulded lifting handles. All controls and pipe-work are mounted on the front face of the unit for ease of installation and maintenance. Gledhill's revolutionary design enables rapid second fixing using copper or approved plastic piping.



### Storage Vessel

Plumbed and wired with:

- Grundfos UPS pump – space heating
- Grundfos UPR pump – heater circuit
- Grundfos UPR pump – hot water
- Plate heat exchanger
- F&E Tank complete with fittings
- Full control and diagnostic system
- Programmable room thermostat
- Fixing pallet

All pumps can be supplied as modulating for reduced running costs and noise for a modest extra charge

There is no requirement for:

- Motorised valves and boiler bypass
- Pressure or temperature relief valves

### Immersion heaters that can never scale

Because the immersion elements are situated in the same primary water all the time and this water is not renewed, no scaling takes place, even in hard water areas. ElectraMate A-Class is designed to cope on the secondary side with most hard water situations (<250ppm). For extreme situations (>250ppm) we can supply a Gledhill in-line scale inhibitor fitted for very little extra.



### Approvals

ElectraMate A-Class has been tested by WRAS, a member of the European Organisation for Technical Approvals (EOTA) and found to comply with Water Regulations. In performance, it complies with the requirements of BS6700 and meets the NHBC criteria for domestic properties. Gledhill water Storage Ltd also operates a quality management system audited and accepted by the BSI in accordance with BS EN ISO 9001:2000.