

E-TECH M

PRODUCT INFORMATION

A new approach to mobile electric heating
providing 3-36kW from a single unit.





WHO ARE WE?

ACV has been designing, manufacturing and distributing heating and hot water products for commercial and residential applications since 1922.

In the UK, we formed in 1991, providing and servicing the range of tank-in-tank products to the UK and ROI. Based in Dalgety Bay, Scotland, we supply and support ACV products across the country.

Specialists in stainless steel and home of the patented tank-in-tank concept, we've been developing and manufacturing our range of high performance heating and hot water products for 100 years.

WHAT MAKES OUR PRODUCTS DIFFERENT?

Stainless steel

This material, which resists corrosion in the most aggressive water, has given our products an exceptional lifetime with minimal maintenance.

Tank-in-tank

The patented tank within a tank is a simple and effective concept that gives you a reliable DHW performance to match the largest of hot water demands. You can see our full range of tank-in-tank products on our website.

Electric

Prepare for a carbon free future with electric. Low carbon electric solutions for domestic and commercial projects.

Excellence in hot water

Whilst heating requirements have decreased over the years, the demands of modern life have increased the need for a reliable but at the same time economical and environmentally friendly hot water supply.

Our mission is to use our experience to give you the best technology for generating the hot water you need.

Our motto 'Excellence in hot water' reflects the ambition of our team and partners to fulfil our mission and meet your expectations.

All our hot water products are KIWA approved demonstrating our compliance with UK Water Regulation 4 of the Water Supply (Water Fittings) Regulations 1999.





E-TECH M

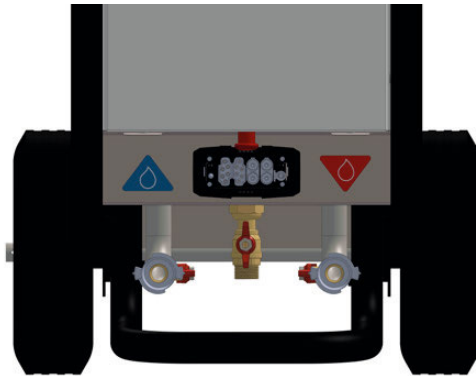
The E-Tech M is a mobile electrical boiler unlike any other on the market. Thanks to the expertise of ACV the E-Tech M has been envisioned and designed starting from a blank piece of paper, with the goal of providing a solutions to a wide variety of applications.

The E-Tech M can be used as a backup heating solution, where main heating systems may be damaged. It can also be used to help prevent the piping in your installation from freezing, and is the most comprehensive tool for screed drying.

Features

Multipower

A multifunctional machine, the E-Tech M makes your choice easy. It has 1 plug-in, that **can work with 6 different sources of power**, the cables have been created to tailor the incoming supply to the boiler which then translates into different power settings being available (3, 6, 9, 12, 18 and 36 kw). Thanks to stages of power of 3kw and it's internal modulation capability, it's highly accurate in terms of control of the temperature.



Safety

Because the E-Tech M could be operating for several days without supervision and screed drying requires extra care on temperature control, our product makes no compromise on safety.

A series of devices and configurations, including an interruption protocol, will let your screed dry in an optimal way, allowing you to go to your next project in complete confidence.

Maintenance

It's common knowledge that no machine can have a long life without a proper maintenance.

The E-Tech M is a maintenance friendly machine, where every internal component can be easily reached and replaced, if ever needed. A 1" port on the side allows easy cleaning of the heat exchanger to flush out any dirt or debris collected during operation.

Tough

While being an intelligent and accurate instrument, it's also robust, ready to face the hardest working conditions. A sturdy safety bar on the front protects it from shocks. An additional / optional safety bar can also be easily be installed on the back.

Smart

It's a smart and modern machine. The built-in 4,3" touch screen is as easy to use as your smartphone. Four different screed drying programs, of up to 60 days, can be easily created and stored and advanced settings are password protected.



Operational data from either the heating or the screed drying process can be downloaded onto a USB stick, which can then be used to create site-specific reports.



E-TECH M Specifications

| Reference | 100005282300 |
|---------------------------------------------|----------------------|
| Type of Network | 1x230V / 3x400V (+N) |
| Maximum Nominal Power (kW) | 36 |
| Minimum Nominal Power (kW) | 3 |
| Maximum Heating Temperature (heating mode) | 85°C |
| Maximum Heating Temperature (screed drying) | 55°C |
| Maximum Operating Pressure (heating mode) | 2,5 bar |
| Type of Heating Elements | 2 x 3kW |
| Number of Heating Elements | 6 |
| Step of regulation (0 to 36kW) | 3kW |
| Type of Flow Connection | G 3/4" / Geka |
| Type of Return Connection | G 3/4" / Geka |
| Type of Filling/Drainage Connection | G 3/4" |
| Valve Disconnection | Yes (3x) |
| Automatic Air Vent | Yes |
| External Manual Air Vent | Yes |
| Integrated Pump | Yes (7,5m) |

| | |
|--------------------------------------------------------------|------------------|
| Integrated Expansion Vessel | Yes (12L) |
| Hardware Thermal Safety manual reset (heating mode) | Yes (96°C) |
| Hardware Thermal Safety automatic reset (screed drying mode) | Yes (60°C) |
| Automatic Safety Valve | Yes (3bar) |
| IP rating | IP23 |
| Total Water Capacity | 13L |
| Height (overall) | 112cm |
| Width (overall) | 51cm |
| Depth (overall) | 57cm |
| Empty Weight | 60kg |
| Type of Wheels | ø260mm / 85mm |
| Inner Wheel Axle | ø20mm |
| Number of Screed Programs | 4 |
| Maximum Duration Program | 60 days |
| Touch Screen | Yes (4,3" color) |
| Speed Adjustable Pump | Yes (3 speeds) |



Cables

| Reference | 100005282600 | 100005282800 | 100005283000 | 100005282700 | 100005282900 | 100005283100 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Type | 1 x 16A | 1 x 32A | 1 x 63A | 3 x 16A | 3 x 32A | 3 x 63A |
| IP rating | IP44 | IP44 | IP44 | IP44 | IP44 | IP44 |
| Total Length | 140cm | 140cm | 140cm | 140cm | 140cm | 140cm |
| Type of Network | 1x230V | 1x230V | 1x230V | 3x400V (+N) | 3x400V (+N) | 3x400V (+N) |
| Maximum Nominal Total Power | 3kW | 6kW | 12kW | 9kW | 18kW | 36kW |

Accessories

| Reference | 100005282500 |
|-----------------------------------|------------------------|
| Description | Rear protection bumper |
| Sold with screws for installation | |





EXCELLENCE IN HOT WATER



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