

# Product Overview & Specification Sheet

Quantum provides low-cost, low-carbon electric heating with revolutionary electronic time and temperature control

## Technical Details

<b>Models</b>	HSDQ070 HSDQ100 HSDQ125 HSDQ150
<b>Controls</b>	Electronic user interface with LCD display offering room temperature setting, 7-day programmer, installer settings, 3 pre-set timer profiles, holiday settings and more.
<b>Charge Controller</b>	Automatic charge controller incorporates self learning algorithms to optimise daily energy storage, using multiple sensors to automatically adjust the charge taken based on past consumption and future programmed requirements.
<b>Dynamic Efficiency+</b>	Electronic thermostat accurate to +/- 0.3°C during heater operation.
<b>Thermal Cut out (Safety Devices)</b>	Electromechanical cut-out (manual reset). Electromechanical limit thermostat (self resetting). Electromechanical over temperature thermostat for fan. Electromechanical over temperature limit thermostat for fan.
<b>Fan</b>	Low rev/low noise heat circulation with variable speed and soft start.
<b>Storage Core</b>	High density bonded magnetite energy cells.
<b>Thermal Insulation</b>	<b>Front, rear, top and ends</b> - microporous silica. <b>Base</b> - calcium silicate slab.
<b>Colour/ Finish</b>	White.
<b>Battery Backup</b>	3.3V coin cell battery to backup real time clock. Battery life > 5 years.
<b>Supply</b>	230-240V/50Hz. Off-peak + 24 hour supply required.
<b>Approvals</b>	CE, BEAB, EN60335, EMC
<b>Warranty</b>	2 years

## Key Features

-  **Up to 27% cheaper to run than comparable static storage heaters**
-  Recognised as the most advanced off-peak technology available within SAP, meeting 90% of heat requirement using off-peak energy
-  Ultra efficient heating system using any off-peak tariff to provide low running costs
-  Infinitely controllable electronic heat output to precisely match user lifestyle
-  Set and forget controls allows for infinitely controllable output to precisely match user lifestyles and needs
-  Fan assisted heat output precisely matches the chosen heat profile, warming the room quickly
-  Boost function ensures that heat is always available should requirements change
-  Range of four sizes, covering standard storage outputs for simple replacements
-  Attractive state-of-the-art design, no deeper than a double wet radiator
-  Chassis covers previous "fixing marks" of all comparably sized traditional storage heaters and comes with adjustable feet position
-  Free heating design scheme with Dynamic Guarantee





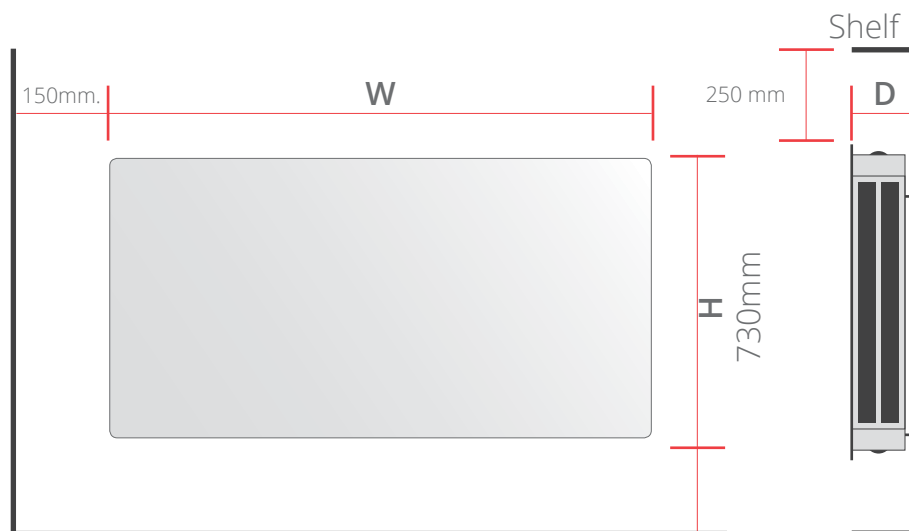
**Dimensions**

Model No.	H	D	W	Installed
HSDQ070	730mm	185mm	703mm	83kg
HSDQ100	730mm	185mm	865mm	107kg
HSDQ125	730mm	185mm	1069mm	135kg
HSDQ150	730mm	185mm </td <td>1069mm</td> <td>155kg</td>	1069mm	155kg

Model No.	Output Rating	Input rating	Max Storage capacity	Installed
HSDQ070	700W	1560W	10.9kWh	630W
HSDQ100	1000W	2200W	15.4kWh	880W
HSDQ125	1250W	2760W	19.3kWh	1130W
HSDQ150	1500W	3300W	23.1kWh	1300W

**Energy Cell Packs** - Packaged separately, required in the following quantities:

Model No.	HSDQ070	HSDQ100	HSDQ125	HSDQ150
Energy Cell Packs Required	6	8	10	12



HSDQ070



703mm

HSDQ100



865mm

HSDQ125 AND HSDQ150



1069mm

730mm