Dimplex®

Quantum HHR Storage Heater (Series Y)

Technical Details

Controls	Digitally controlled, Electronic Thermostat accuracy (±0.2°C) Setpoint range (7-30°C) **Timer modes:** 7 Day Programmable User Timer, Out All Day, Home All Day **Continuous heat modes:** Frost Protect **Additional Modes:** Away, Boost, Setback
Controller UI	• Graphical display with RGB backlight • Tactile buttons with audio feedback • User replaceable battery (Coin-Type)
Controller Functions	• Open window detection • Adaptive Start • Advance Time Period • Automatic Charge Control • History/Reporting Screens • Boost Mode, User Adjustable • Heat Demand % Adjustment • Simple Child Lock & Full Heater Lock (PIN-based)
Safety Features	Electronic overheat protection. Additional electromechanical overheat protection. LVD and EMC compliance
Storage Core	High-density bonded magnetite energy cells
Colour/ Finish	Case: (RAL 9016) 'Traffic White' Grille: RAL7035 anodised
Battery Backup	CR2032 Lithium Manganese Dioxide 3V coin cell battery to backup real time clock. Battery life > 5 years
Supply	1/N/1/N/PE ~230-240V (Twin Supply) 230-240V/50 Hz Class I 1/N/PE ~230-240V (Single Supply) 230-240V/50 Hz Class I
IP Rating	IPX4
Approvals	UKCA, CE & BEAB
Guarantee	2 years standard (10 years available with registration)
Product Series	Series Y
Country of Origin	United Kingdom

Output

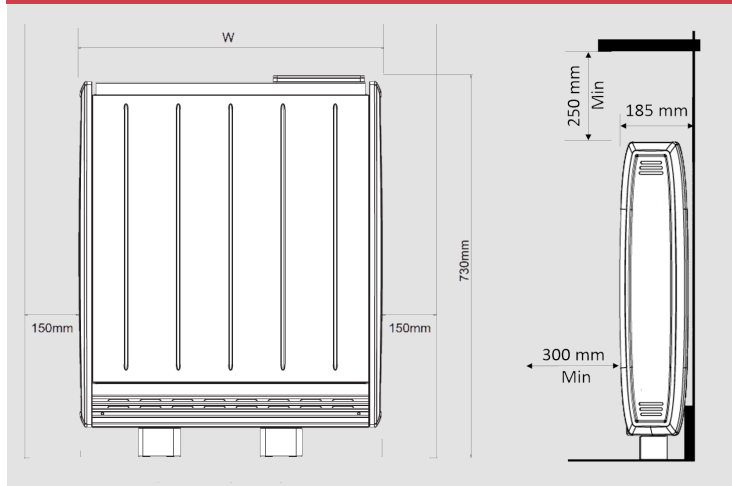| Model No.	Input Rating +5%/-10%	Output Rating	Boost Mode Rating	Maximum Storage Capacity (W/h)
QM050	1020W	500W	340W	7140
QM070	1560W	700W	520W	10920
QM100	2220W	1000W	740W	15540
QM125	2760W	1250W	920W	19320
QM150	3300W	1500W	1100W	23100

Product Description

Quantum is an advanced high heat retention electric storage heater with a clean look and reliable performance. Quantum provides low cost, low carbon, electric heating and temperature control.

Key Features

- Complies with Lot 20 of ERP Directive
- Meets criteria for SAP High Heat Retention Storage Heater
- Customisable heating with four time & temperature settings per day
- Dynamic, intelligent charge calculation stores only the energy you need
- Adaptive start pre-heating and open window detection auto-shutdown
- Up to 27% cheaper to run than a standard storage heater system (*According to independent testing*)

Requires Energy Cell Packs to function Item: 047243 (included with purchase)

Dimensions

Model / Item No. (EAN-Code = 5011139 + the item No.)	054784 QM050	046154 QM070	046161 QM100	046178 QM125	046185 QM150
Output (kW)	0.50	0.70	1.00	1.25	1.50
Height (mm)	730	730	730	730	730
Width 'W' (mm)	580	703	865	1069	1069
Depth (mm)	185	185	185	185	185
Weight without cells (kg)	22.7	26.1	30	35.5	38.5
Weight with cells (kg)	67	91	115	142	165
Energy cell packs required	4	6	8	10	12

Packaging Details

Height (mm)	752	752	752	752	752
Width (mm)	737	859	981	1225	1225
Depth (mm)	233	233	233	233	233
Packed weight (kg)	24	28	32	38	41
Ti / Hi	5 / 2	5 / 2	5 / 2	4 / 2	4 / 2
Pallet quantity (2.4m high)	10	10	10	8	8