



Premium Quality
German
Radiators



LUCHT LHZ[®]
Elektroheizung GmbH & Co. KG

Electric Combination Radiator Systems

Quality solutions for the ultimate heating experience



The LHZ Combination Electric radiators have been designed using the latest technology to create an elegant solution for all hard to heat situations. They can be installed in almost any location due to the flexibility of the product.

The range has been developed to provide an adaptable solution for electric heating in Domestic properties, Conservatories, Holiday homes, Offices and any other central heating situation.

Our unique patented 'Magmatic' heating tablets provide the source for the radiator. Whilst the radiator is classed as a 100% efficient Direct Acting appliance, the heating tablets provide partial storage to prolong your heating comfort and to reduce running costs. The radiator has a robust body which incorporates a

spot welded high fin surface area to ensure that there are no expansion or contraction noises during the heating cycle. The high fin design boasts 6 times the normal radiator surface area to provide a balance of Convection and Radiant heat for your added comfort.

The radiators can be simply plugged in to a standard socket or hard wired to an existing spur connection. The range has the flexibility of being wall mounted or free standing on castors or feet.

For added versatility we can supply conservatory radiators which are also ideal for use below windows with low sills.



All LHZ radiators are supplied with an electronic, highly accurate thermostat. Different options are available. In addition to the above we also supply Radio Frequency radiators which provide all the benefits of the standard version however the control wiring is eliminated. These models can be controlled by our TPod and Tbasic RF thermostat.

setting the *standard* in electric heating

Furthermore we also supply LHZ radiators with an integral TDI digital thermostat that can be programmed 24 hours, 7 days a week. All LHZ radiators are manufactured in Germany to the highest safety and quality standards. Each radiator is CE Marked and ENEC Marked and carries all the necessary European Approvals.

All LHZ radiators are fully checked and tested prior to leaving the factory and are packed fully assembled complete with wall hanging brackets and full Quality Certification.

We hope that you find the superior products within this brochure of interest and we look forward to being of assistance to you in the near future.



1kW/1.2kW IPX4

living with *electric*
combination radiators



The LHZ Electric Combination Radiators have been accepted as a practical modern solution to outdated, inefficient electric storage heaters. In many countries they are cheaper to run than oil fired heating systems and are now comparable with natural gas. Their success is due largely to the following features and benefits:

- No boiler, plumbing or pipework required
- Ease of Installation
- Manual, radio frequency or digitally integrated thermostat
- Safe, clean and easy to operate
- Fully controllable by either manual or digitally controlled (TDI) thermostats.
- Slimline Radiators are 70mm deep
- Various outputs and sizes are available from 500w - 3kW
- No maintenance required 100% efficient
- Supplied with wall fixing brackets
- Castors, feet stands or radiator supports can be ordered as optional extras
- Radiators come fully assembled with appropriate plugs and 1.5m of cable
- All radiators are powder coated in a white high quality enameled finish



As our products are of such superior quality we are proud to offer a *12 year warranty* on our radiators and a *2 year warranty* on the electronics across our full range of LHZ Electric Combination Radiators.

2kW/2.4kW

close your eyes and *dream*
in total comfort

1.5kW/1.8kW



standard range of *radiators*

No carbon monoxide risk and with a constant comfortable background temperature, you are assured of a warm and pleasant nights sleep.

All of the LHZ "Standard" sized Combination Radiators are 63cm high and only 7cm deep" (please refer to sizing chart on page 23).

All Radiators are supplied with wall mounting brackets as standard. Radiator supports, feet or castors can be supplied as optional extras.



2.8kW/3kW

2kW/2.4kW

1.5kW/1.8kW

1kW/1.2kW

500w/600w

tall reputation with
high performance-whatever your space

1.8kW



The range has been developed to accommodate the smallest easy-to-heat room to the larger hard-to-heat room. Should you select our products you will be highly impressed by the performance and effectiveness of the electric radiators.

We currently sell the radiators as heating solutions to a wide range of markets which include the following:

- Domestic Properties
- Properties that currently rely on oil fired central heating
- Conservatories and Sunrooms
- Social Housing Contracts
- Holiday homes, Parkhomes and Caravans
- Hotels and Pubs
- Schools
- Offices
- Portable Offices
- Temporary Heating purposes

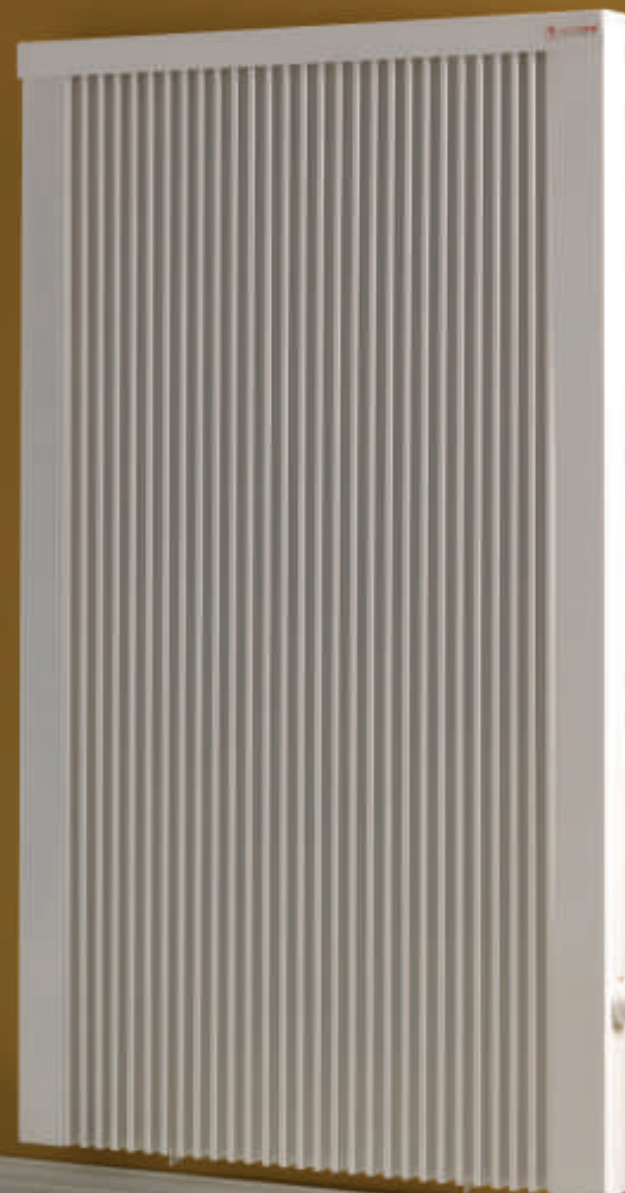
1.2kW



tall orders
in the kitchen



500w/600w



2.2kW

and at home in the *bathroom*

Tall radiators are ideal for use in kitchens and bathrooms where space is at a premium. Towel rails can also be fitted as shown.



1.2kW IPX4





enjoy the outside *inside* with Conservatory radiators

1.6kW

To compliment your existing heating system LHZ have produced a selection of low profile electric radiators, all 340mm high. Ideal for use in conservatories, sunrooms and rooms with low window sills, all LHZ radiators are supplied with wall mounting brackets.

With the option of floor standing or castors you have the ability to place your radiator anywhere within your conservatory.

This practical range can be controlled by Manual, Radio Frequency or Integrated Digital Thermostats.

Various thermostat
options available.



Manual TEI I
electronic thermostat



TDI electronic
7 day programmable
thermostat

*For other thermostat options,
please see pages 18-21*



2kW

make a splash with
bathroom *radiators*



500w/600w

- IPX rated models

All LHZ Bathroom Radiators, up to an output of 1.5kW, are IPX4 rated and therefore tested and approved for use in all bathroom situations.

From standard radiators to tall radiators with towel hanging rails and bathroom radiators with a choice of chrome or white towel rails.

Please consult a qualified electrician before installing an IPX rated radiator in any bathroom or wet room location.

Water heating products, including hot water heating cylinders are also available from LHZ.

Ask your local dealer for more information.



the engineering behind the
quality

Convected heat

Radiant heat

An equal combination of radiant and convected heat
gives a constant temperature throughout the room.

Our unique combination radiators are designed to store the heat directly into the Magmatic Heat-Retention Tablets, without any loss of energy.

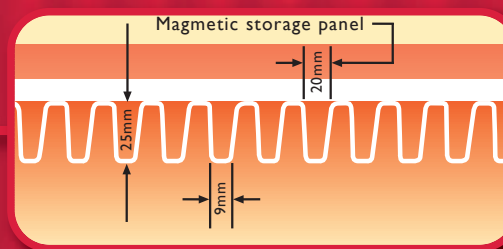
The metal ribs on the radiator form a six times greater surface area than a normal radiator. As a result of this, approximately 50% radiant heat as well as 50% convected heat is created, to give a much more constant temperature throughout the room, from floor to ceiling.

LHZ Radiators are unique due to the metal ribs being individually spot welded which prevents any noise during the heating up and cooling down cycle.

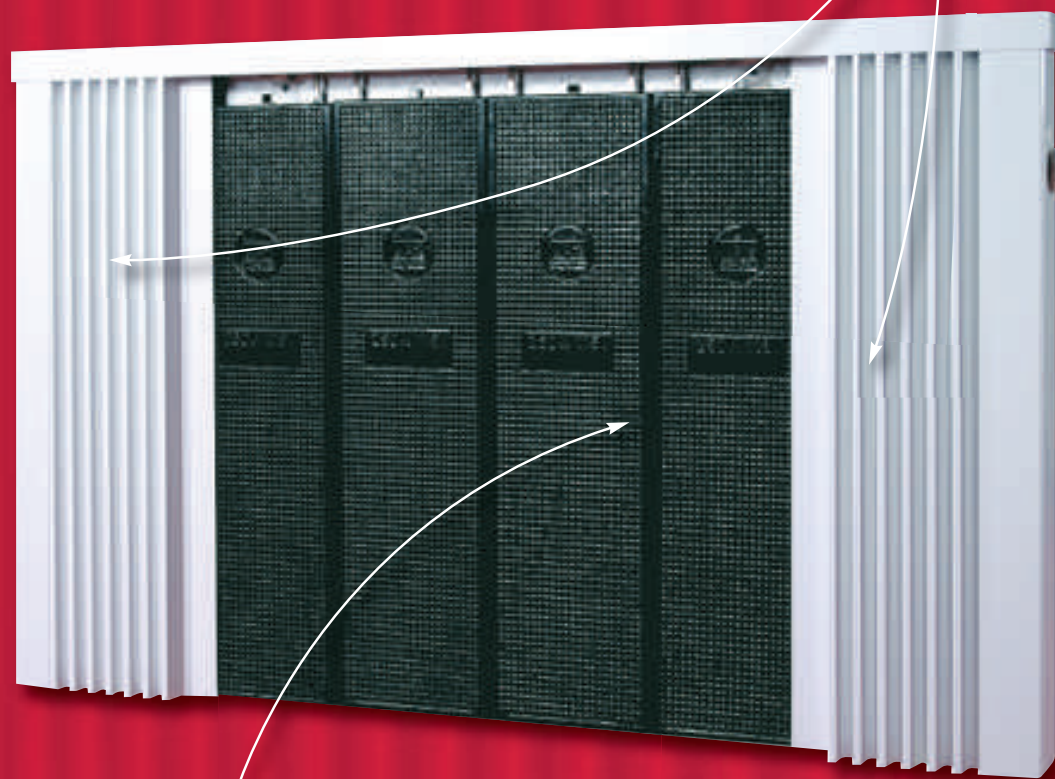
When the LHZ Radiators have achieved their required temperature the thermostat will cut the power to the Radiator. The Radiator will continue to provide heat, (that has been stored in the Magmatic tablets), for up to 45 minutes with no further use of electricity. The Radiators will use approximately 20–30 minutes of electricity per hour, depending upon on the building fabric and outside temperature.

The heating conductors are produced from high quality chrome-nickel steel (resistant to scaling up to 1100 °C) which are moulded into the Magmatic tablet, reducing the risk of corrosion.

The contacts inside the radiators are protected with heat shrinkable insulated sleeves to ensure optimum safety. Multiple thermocouples within each radiator provide overheat protection for additional safety.



Outside -
High Fin Surface area



Inside - **Magmatic®** heat retention tablets

DTEI1 Control *features*



ON/OFF

The LCD digital display showing the OFF mode



Permanent comfort mode

The comfort set-point temperature can be modified by pressing the + or – button.



Permanent economy mode

The Economy set-point temperature is linked to the comfort set-point temperature. It is equal to the comfort set-point temperature minus 3.5°C. The economy set-point temperature can be modified by pressing the + or – button.



Permanent Frost protection mode

The Frost Protection set-point temperature is set at 7°C.



TEI1 Manual electronic thermostat

Integral Control *options*

There are 3 types of Integral Thermostatic Controls that can be supplied with your choice of LHZ Radiators:

- Manual TEI I
electronic thermostat
- Digital DTEI I
electronic thermostat
- Digital TDI I
electronic thermostat

For full operating instructions refer our to website.

(Please note that TDI Models provide the luxury of Time & Temperature control which makes them ideal as Stand Alone Heaters)

TDI *features*



Comfort Temp:

Indicates the required Comfort Temperature



Programming Mode:

The radiator can be programmed 24 hours/7 days at required temperatures.



Automatic Mode:

Once selected the radiator will follow the program set in programming mode



Economy Temp:

The Economy setting default is 3.5 deg lower than the comfort setting. The Economy setting can be set up to 10°C lower than the comfort temperature.



Timer / Boost Mode:

This boost facility can be used to overwrite the programming mode. Temperature can be set between 5°C and 30°C for 30 mins to 72 hours



Heating Demand Mode:

The ON icon displayed indicates that the radiator is in heating demand mode.



Frost Protection:

Frost protection temperature can be set between 5°C and 15°C

Other features

Keypad locking function

Holiday Mode – the radiator can be set to “OFF” for the period of your holiday

Backlight timeout setting – the timeout of the backlight can be set between 0-225 seconds.

Radio frequency control *options*



T Basic thermostat

- Frost setting
- Comfort setting
- Economy setting
- Can control up to 9 radiators in a room or zone at the same time.



T Pod thermostat

- 24/7 controllable digital radio frequency thermostat
- Can control up to 9 Radiators in one zone at the same time



T Central controller

- 24/7 digital radio frequency control
- Controls radiators in up to 4 different zones
- Works in conjunction with T Basic thermostats in each room

More information available upon request



GSM Modem

Option to control your heating system via your mobile phone from anywhere in the world.

More information available upon request



Load Shedder

For properties with restricted electric current supply. Our Unique Load Shedding Device will help prioritise the electrical supply for your appliances within the property.

More information available upon request

radiator fixing accessories

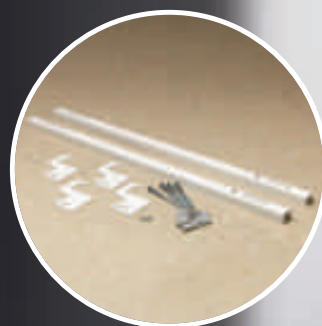
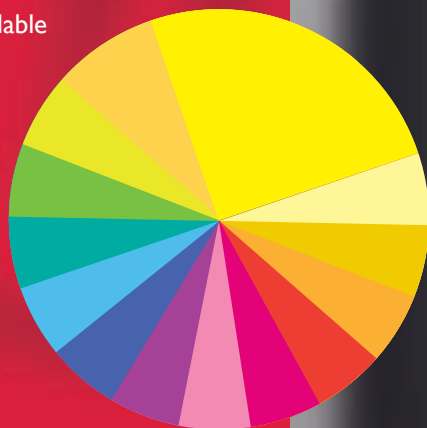
The LHZ Radiator range is totally flexible and mobile for location in whatever space you need the heat.

Installation kits for wall fastening are supplied as standard.

Radiators can also be mounted on feet stands or castors for ease of movement. Feet supports are also available if required.

All LHZ radiators are available on request in any of the 900 colours from the RAL chart.

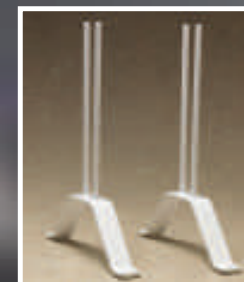
An infinite spectrum of colour coatings



Installation kit for wall fastening



Radiator Feet supports



Feet stands



Castors



LHZ Control Box –

This method of control is suitable for standard models where multiple radiators are required. In addition to the Control Box you will also require a Single Channel Heat Pack (see schematic).

LHZ Control Box



LHZ Control box



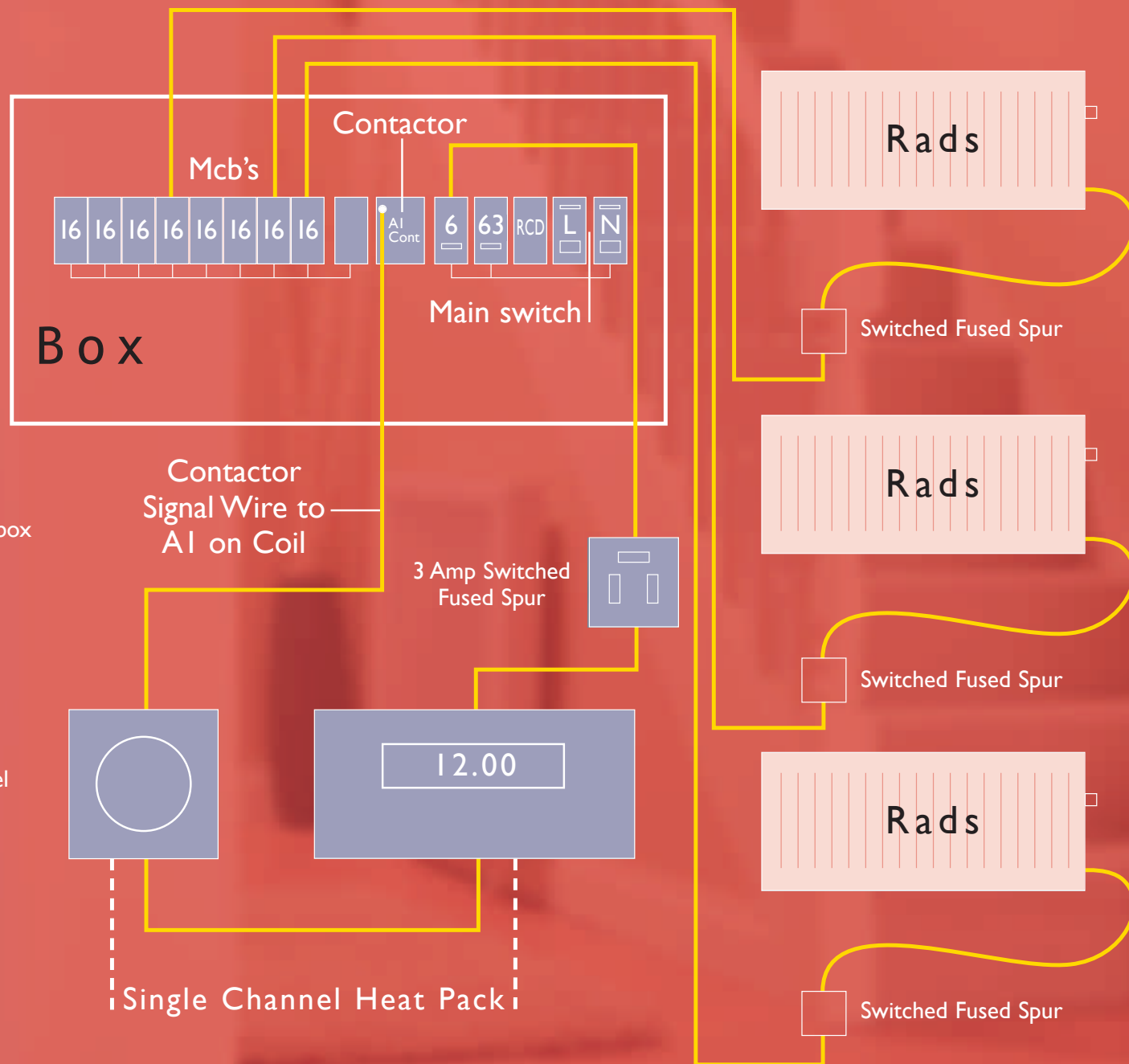
Single Channel Heat Pack

Typical Radiator Installation

(Neutral wiring has not been shown for clarity reasons)
Control Wiring: 1.0 mm Twin and earth

Radiator Wiring: 2.5 mm Twin and earth
All Wiring must comply with current IEE Regulations
17th edition: 1st July 2008 - BS 7671

For illustration purposes only



Technical Specification							
Model No.	Description	Colour	Rating	DIMENSIONS			
Manual			BTU's	Width (mm)	Height (mm)	Depth (mm)	Weight (kg)
STANDARD RADIATORS (See pgs 2-7)							
D500.38.63	500watt ELECTRIC RADIATOR	White	1706	380	630	70	22
D600.38.63	600watt ELECTRIC RADIATOR	White	2730	380	630	70	22
D1000.68.63	1000watt ELECTRIC RADIATOR	White	3412	680	630	70	36
D1200.68.63	1200watt ELECTRIC RADIATOR	White	4097	680	630	70	36
D1500.98.63	1500watt ELECTRIC RADIATOR	White	5118	980	630	70	50
D1800.98.63	1800watt ELECTRIC RADIATOR	White	6146	980	630	70	50
D2000.128.63	2000watt ELECTRIC RADIATOR	White	6824	1280	630	70	62
D2400.128.63	2400watt ELECTRIC RADIATOR	White	8189	1280	630	70	62
D2800.158.63	2800watt ELECTRIC RADIATOR	White	9560	1580	630	70	62
CONSERVATORY RADIATORS (See pgs 12-13)							
D500.68.34	500watt ELECTRIC CONSERVATORY RAD	White	1706	680	340	70	21
D1000.85.34	1000watt ELECTRIC CONSERVATORY RAD	White	3412	850	340	70	24,5
D1600.128.34	1600watt ELECTRIC CONSERVATORY RAD	White	5459	1280	340	70	34,5
D2000.158.34	2000watt ELECTRIC CONSERVATORY RAD	White	6824	1580	340	70	38
TALL RADIATORS (See pgs 8-11)							
D1200.38.124	1200watt ELECTRIC RADIATOR	White	4097	380	1240	70	35
D1800.55.124	1800watt ELECTRIC RADIATOR	White	6146	550	1240	70	58
TOWEL RAILS (See pg 15)							
2003.06WE (WHITE RAILS)	1200watt ELECTRIC TOWEL RADIATOR	White	4097	640	1020	140	33
2003.06WEC (CHROME RAILS)	1200watt ELECTRIC TOWEL RADIATOR	White	4097	640	1020	140	33
BATHROOM RADIATORS (IPX4) (See pg 14-15)							
D600.38.63IPX4	600watt ELECTRIC BATHROOM RADIATOR	White	2047	380	630	70	22
D1000.68.63IPX4	1000watt ELECTRIC BATHROOM RADIATOR	White	3412	680	630	70	36
CONTROLS & ACCESSORIES (See pg 18-21)							
CAST/I D FEET/I D RADSUPP S/PACK/I D TPod TBasic EHC 6 Way EHC 10 Way	RADIATOR CASTORS RADIATOR FEET RADIATOR FEET SUPPORTS SINGLE CHANNEL HEATPACK 7 DAY DIGITAL PROGRAMMABLE THERMOSTAT R/F THERMOSTAT 6 Way CONTROL BOX 10 Way CONTROL BOX			<p>The above Model Nos. are for LHZ Standard Radiators with TEI I control.</p> <p>The following details should be prefixed to these codes when ordering a different type of control:</p> <p>TDI DTEI RF See below for examples.</p>			

The following is a typical example when ordering an LHZ Radiator. D1000.68.63 (This radiator has a manual standard TEI I control). D1000.68.63TDI (This radiator has an integral TDI control for time & temperature). D1000.68.63DTEI I (This radiator has an integral digital control feature). D1000.68.63RF (This radiator has an inbuilt radio frequency receiver).

LHZ electric combination *radiators*

Worldwide distribution
network

**Head Office and Production
in Germany**

**Austria
Australia
Belgium
Bulgaria
Cyprus
Czech Republic
France
Germany
Greece
Ireland
Italy
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www.electric-heating.eu



- Europe-wide applicable
- Safety tested
- Production controlled

LUCHT LHZ Elektroheizung GmbH & Co. KG delivers premier heating products across the world. Our range of LHZ Combination Radiators are produced in Germany and comply with the appropriate standards of the European Union and Certificate Institutes.



Disclaimer – All figures quoted are correct at the time of printing and may be subject to change

