

# Comfortplus Central Heating



## Step into comfort

Like the warmth from the sun, hydronic solutions use radiation and convection to spread warmth evenly throughout your entire home without hot and cold drafts or circulating dust.

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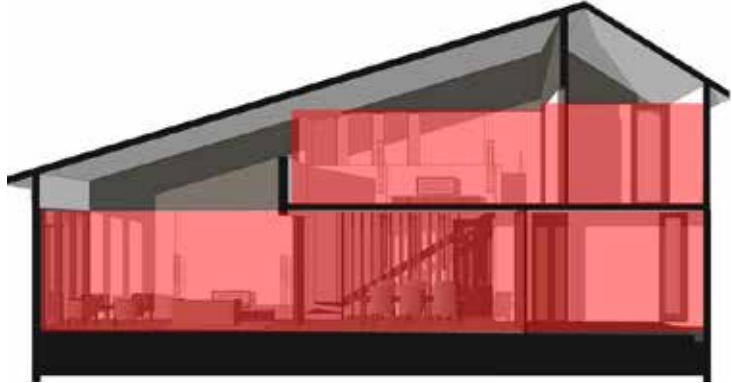
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# Defining Comfort

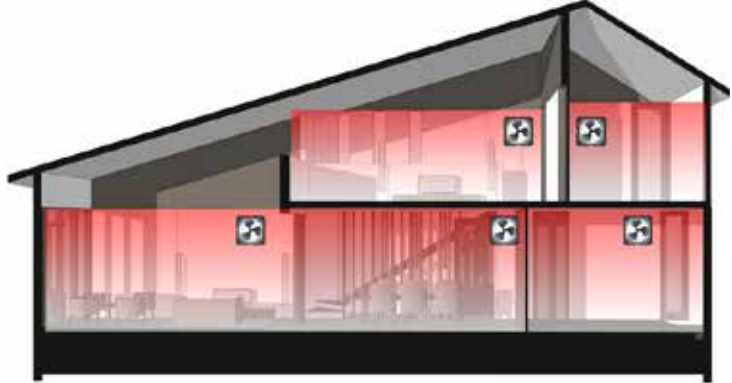
The natural radiation and convection of warmth emanates from a range of fashionable radiator styles or hidden underfloor pipes.



**Central Heating**  
Central heating via radiators or underfloor heats every space in your home evenly, without hot or cold drafts using only natural radiation and convection.



**Spot Heating**  
Spot heating solutions e.g. a fireplace, portable heaters, heat pumps etc create significant temperature differences between different rooms or even within the same room.



**Blowing Air**  
Systems that blow hot air e.g. heat pumps, ducted hot air system etc create some background noise and circulate dust which can aggravate asthma and allergies.



## Underfloor vs Radiators

Radiator and underfloor systems share the same high level of comfort but each method has unique characteristics which suit some applications better than others.



### Radiator Central Heating

Modern radiators emit warmth via a combination of natural convection and radiant heat.

- **Lowest running cost**  
Radiators heat up quickly (within minutes) and can be programmed precisely around your timetable plus unoccupied rooms can be switched completely off
- **Renovation or new build**  
When there is access below the floor, radiators are the simplest and least evasive to install
- **Concrete and timber floors**  
Radiator systems are not dependent on concrete floor construction

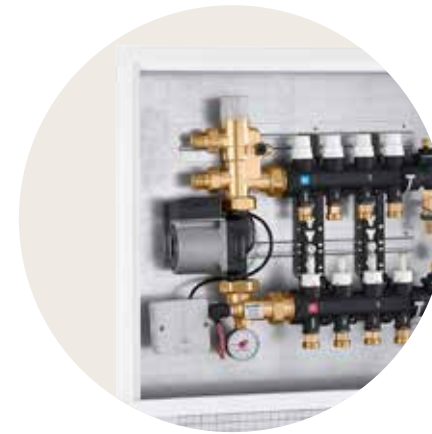
### Underfloor Central Heating

The most discrete and most comfortable form of central heating.

- **Constant temperature day and night**  
Due to the large thermal mass of a concrete slab, it takes less energy to keep its temperature stable than allowing it to cool down
- **No interior compromise**  
Warm water is gently circulating through pipes encapsulated within the slab so the system is effectively invisible
- **Warm floors**  
Since the heat is radiating from the floor, its surface is nice and warm underfoot

## Underfloor Pipe and Panels

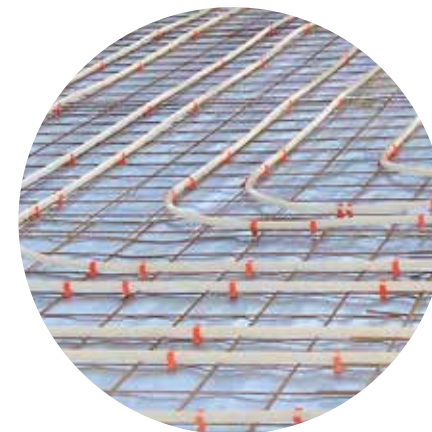
The underfloor pipe and the distribution panel controlling the flow of warm water around the floor circuits are both critical components - as is the correct size, length and placement of the circuits.



### Caleffi Underfloor Panels

Caleffi's composite manifolds ensure a precisely regulated flow of warm water is maintained in each underfloor zone. They are supplied factory assembled and contained within a powder coated cabinet with a lockable door, featuring flow meters, balancing valves, automatic air vent, fill/drain cock, manifold shut off valves and liquid crystal temperature indicators all as standard. Made in Italy.

Type	UF182 Mixing Panel						UF670 Distribution Panel					
Zones	4	6	8	10	12	14	4	6	8	10	12	14
Height (mm)	700	700	700	700	700	700	500	500	500	500	500	700
Width (mm)	600	800	800	1000	1000	1200	600	600	800	800	800	1000
Depth (mm)	110	110	110	110	110	110	80	80	80	80	80	110



### RBM Kilma Underfloor Pipe

RBM Kilma flex underfloor heating pipe is made from high density cross-linked polyethylene (PeXc) with an EVOH oxygen barrier layer. PeXc is the highest and most durable polyethylene pipe for use in underfloor systems. Our system designs are typically based on 200mm pipe center spacing and maximum circuit lengths of 100m. Made in Italy.

Ø (mm) x wall thickness (mm) x roll length (m)	16x2x300	20x2x300
Max. operating temperature °C @600kPa	90	
Material:	PeX c EVOH	
Colour:	opaque	



## Radiator Options

An opportunity to complement your interior design

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Not all radiators look like they belong in a hospital, we offer a variety of styles from classic to modern. Make them a feature or blend them into the background.

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### Imas Radiators

The Imas radiators from Italy are the most cost effective radiator option due to the highest output relative to size. Constructed from pressed steel panels they are also the most durable in the case of accidental impact. Available in 400mm or 600mm high, 75mm or 102mm thick and up to 2400mm long. A flat panel conversion upgrade can be retrofitted to the standard design for a clean modern appearance.



### Stilly Radiators

Stilly radiators also from Italy present a unique aesthetic design and an infinite range of lengths thanks to their modular construction. They have the added advantage of being available in a wide range of heights; 350mm, 600mm, 1200mm and 1800mm and therefore are a good solution for homes with limited wall space.



### Blitz Alloy Radiators

Blitz alloy radiators are a clean modern design made in Italy by the Fondital Group. They are available in 350mm or 600mm heights by an infinite range of lengths thanks to their modular construction.



### Lazzarini Heated Towel Rails

Heated towel rails provide both a place to hang and dry towels but also provide radiated heat for the bathroom. They are made of high quality steel and protected with a thick layer of hard chrome plating. Available in 500mm or 600mm wide by 800mm, 1150mm and 1600mm high.



## Ivar Radiator Valves

Ivar radiator valves are available either in the highstyle 'Optima' or standard 'Project' styles. Both versions are manufactured in Italy to a high standard with options for either side or bottom connections.



### Optima Valve Sets

A modern minimalist design finished in polished chrome.



Side connection



### Project Valve Sets

Classic design finished in polished chrome.

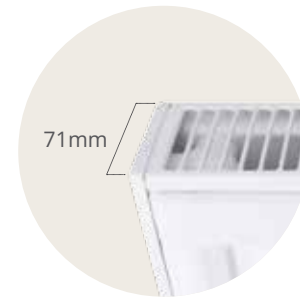


Bottom connection

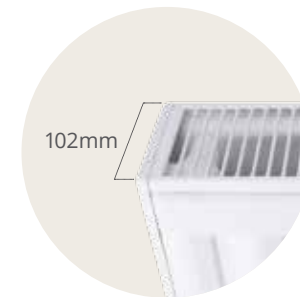


## Imas Steel Panel Radiators

Imas steel panel convector radiators from Italy provide both radiated and convected heat for all round comfort and total economy. A classic design purposely unobtrusive to blend into any traditional or modern decor. Strong and durable, steel panel radiators are a good choice for a family home or commercial space.



Type 21 Single Convector



Type 22 Double Convector



Flat panel upgrade kit includes panel, concealed clips and high strength magnets

Specifications	Height(B)	Width	Output(W)	
			Type 21	Type 22
RI**400600	400	600	801	NA
RI**400800	400	800	1068	NA
RI**400100	400	1000	1335	1737
RI**400120	400	1200	1602	2084
RI**400140	400	1400	NA	2432
RI**400160	400	1600	2136	2779
RI**400180	400	1800	NA	3166
RI**400200	400	2000	2671	3473
RI**600400	600	400	729	943
RI**600600	600	600	1093	1414
RI**600800	600	800	1458	1886
RI**600100	600	1000	1822	2357
RI**600120	600	1200	2187	2828
RI**600140	600	1400	2551	3300
RI**600160	600	1600	2916	3771
RI**600180	600	1800	3280	4243
RI**600200	600	2000	3645	4714
RI**600240	600	2400	NA	5657

Outputs calculated with 85°C flow, 75°C return, room temp 20°C



# RC Stilly Aluminium Radiators

Stilly radiators from Italy are an interesting aesthetic high end design available in standard or very tall models which work well where wall space is at a premium. Modular construction allows for virtually any width by combining single elements at a time.



Specifications	Height (mm)	Width (mm)	Depth (mm)	Pipe centers (mm)	Output (W)	Sections (no.)
RC350500	420	470	101	574	660	10
RC350700	420	658	101	762	924	14
RC350900	420	846	101	950	1188	18
RC350110	420	1034	101	1138	1452	22
RC600500	670	470	101	574	950	10
RC600700	670	658	101	762	1330	14
RC600900	670	846	101	950	1710	18
RC600110	670	1034	101	1138	2090	22
RC120400	1270	376	101	480	1320	8
RC120500	1270	470	101	574	1650	10
RC120600	1270	564	101	668	1980	12
RC180400	1870	376	101	480	1880	8
RC180500	1870	470	101	574	2350	10
RC180600	1870	564	101	668	2820	12

*Outputs calculated with 85°C flow, 75°C return*



## Blitz Alloy Radiators

Blitz is an elegant modern die-cast aluminium alloy radiator made in Italy. Its clean, essential line elegantly furnishes any living space. Fondital puts the same care into the design as it did the technology thereby producing a fashionable radiator with high output performance.

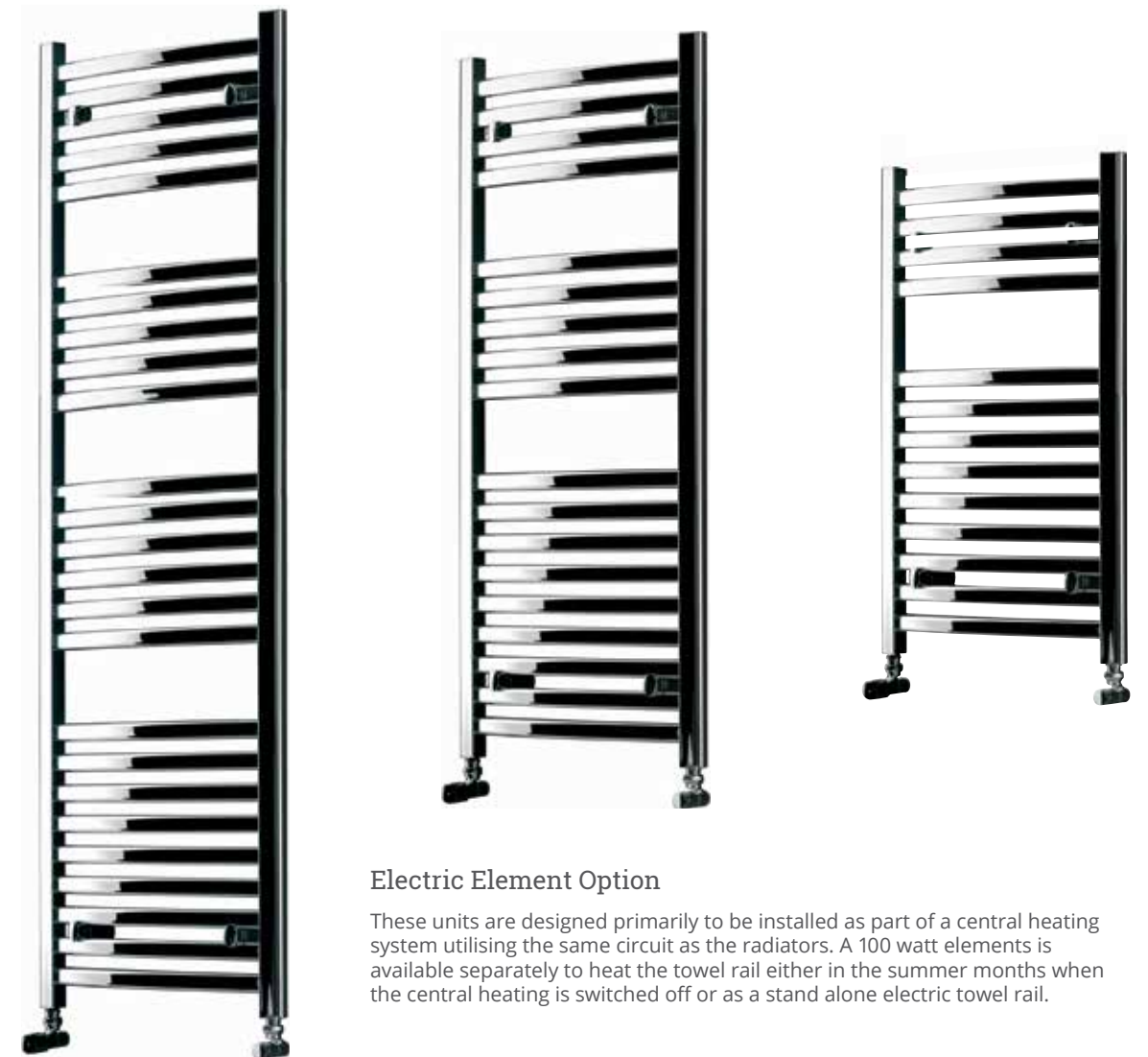


Specifications	Height(B)	Width	Output(W)	#Sections
RB350480	427	480	764	6
RB350640	427	640	1019	8
RB350800	427	800	1274	10
RB350960	427	960	1528	12
RB350112	427	1120	1783	14
RB600480	676	480	1145	6
RB600640	676	640	1527	8
RB600800	676	800	1909	10
RB600960	676	960	2291	12
RB600112	676	1120	2673	14

*Outputs calculated with 85°C flow, 75°C return*

## Lazzarini Heated Towel Rails

Lazzarini heated towel rails from Italy provide both a place to hang and dry towels but also provide radiated heat for bathroom comfort and total economy. The bars are a slightly curved round tube profile to assist hanging towels over them. They are made of high quality steel and protected with a thick layer of hard chrome plating.



### Electric Element Option

These units are designed primarily to be installed as part of a central heating system utilising the same circuit as the radiators. A 100 watt elements is available separately to heat the towel rail either in the summer months when the central heating is switched off or as a stand alone electric towel rail.

Specification	Height	Width	Output(W)	Element(W) (optional)
RTM500800	800	500	231	100
RTM500115	1150	500	327	100
RTM500160	1600	500	577	100
RTM600800	800	600	281	100
RTM600115	1150	600	386	100
RTM600160	1600	600	693	100

*Outputs calculated with 75°C flow, 65°C return*





## The Heating Appliance

Gas, Diesel, Electricity or Wood



The heat appliance generates the hot water and is the heart of your heating system. In most cases the best choice will be influenced by the lowest cost fuel options available at your location. We represent the very best brands available in Europe and strict European emission legislation means we benefit from the latest energy saving innovations.

### Gas

Gas boilers are the most cost effective option in terms of both installation and running costs. Vaillant boilers are our premium range from Germany and are considered the best in the world by many.

Typical running costs: NG = 0.07c/kWh  
LPG = 0.18c/kWh

### Heatpumps

Clivet air to water heatpumps scavenge heat from the ambient air and create hot water suitable for underfloor heating only. They are extraordinarily efficient, up to 400%, which makes electricity a viable energy if gas is not available.

Typical running costs: 0.07c/kWh

### Diesel

The Ferroli diesel boiler has proven to be sturdy and reliable performer. The installation of a diesel boiler is typically more involved and costly than gas boilers but remain a good option for areas without natural gas.

Typical running costs: 0.10c/kWh

### Wood Boilers

Atmos wood or pellet boilers from the Czech Republic utilize advanced wood gasification combustion technology to produce high outputs and minimal clean air approved emissions.

Typical running cost dependent on wood type and cost

## Gas – Vaillant Condensing

Condensing boilers use advanced combustion technology which scavenges energy found in the flue gas that would otherwise be lost to the atmosphere resulting in running efficiencies up to 112%. The **Vaillant ecoTEC condensing boilers** from Germany are a premium quality, high performance choice packed with features which result in the most reliable and lowest running cost boiler available today.



### Technical Characteristics

- Exceptional German build quality
- Whisper quiet
- Weather compensating capability
- High efficiency pump and fan
- Wide operating range
- Extremely low stand-by losses (<2W)

### Combi Model

The 'Combi' version can run up to three bathrooms without the need for additional hot water cylinders or califonts. 'Combi's' piggy back instantaneous domestic hot water capability alongside the central heating function.

Code:	GBV24	GBV37	GBVC32 (combi)	GBVCS37 (combi)
CH heat output 80°/60° (kW):	5.2 - 24.0	6.4 - 37.0	6.4 - 28.0	7.1 - 28.6
Max. DHW heat output (kW):	na	na	37.0	38.7
DHW production @35°C rise/75kPa (l/min):	na	na	15.2	20.5
Max. CH temperature (°C):	85	85	85	85
Max. efficiency (%):	112	112	112	112
LPG consumption (kg/h):	1.92	2.96	2.96	2.96
Natural gas consumption (m3/h):	2.6	4.0	4.0	4.0
Electrical connection (V/Hz):	230/50	230/50	230/50	230/50
Electrical consumption min/max (watts):	55/130	55/130	55/130	55/140
Flue Ø (mm):	60/100	60/100	60/100	60/100
Expansion vessel capacity (L):	10	10	10	10
Min. installation clearance top (mm):	165	165	165	165
Min. installation clearance side (mm):	5	5	5	5
Min. installation clearance bottom (mm):	180	180	180	180
Mounting weight (kg):	37	40	41	51



Typically the gas boiler is installed in the garage or laundry space and can be either top or side flued. Gas boilers are a good choice for all manner of heating and hot water loads particularly in areas with reticulated gas.





## Gas – Fondital Non Condensing

Standard or non-condensing boilers are a lower cost option compared to the more advanced condensing type and consequently cost less to install for the sake of a modest reduction in running efficiency. The **Fondital Formentera non condensing boilers** from Italy have proven to be extremely reliable and trouble free. While less sophisticated, they are still a high performance appliance taking advantage of many years of non-condensing boiler technology.



### Technical characteristics

- Well engineered and manufactured in Italy
- Very quiet operation
- Three speed circulating pump
- LCD screen display

### Combi Model

The 'Combi' version includes instantaneous domestic hot water capability (alongside the central heating load) which can run one to two bathrooms without the need for additional hot water cylinders or califonts.

Specifications	GBTf24	GBTf32	GBTfC32 (combi)
CH heat output 80°/60° (kW):	8.5 – 23.1	14.3 – 30.8	14.3 – 30.8
Max. DHW heat output (kW):	na	na	32.0
DHW production @35°C rise/75kPa (l/min):	na	na	15.1
Max. CH temperature (°C):	83	83	83
Max. efficiency (%):	93.4	93.4	93.4
LPG consumption (kg/h):	1.98	2.56	2.56
Natural gas consumption (m3/h):	2.7	3.49	3.49
Electrical connection (V/Hz):	230/50	230/50	230/50
Electrical consumption (watts):	86	134	134
Flue Ø (mm):	60/100	60/100	60/100
Expansion vessel capacity (L):	7	7	7
Width x Height x Depth (mm):	420/750/315	420/750/315	420/750/315
Mounting weight (kg):	35	38	41

## Diesel – Ferroli Atlas Unit Boiler

The **Atlas unit boiler** is an indoor, high-efficiency, floor standing heat generator for domestic heating and optional hot water production. A blown diesel oil burner regulates the fuel while a standard atmospheric style flue exhausts minimal low temperature emissions. The boiler shell consists of cast-iron elements, assembled with double cones and steel stays. The combustion is controlled by a microprocessor and a digital interface with advanced temperature control functions. Made in Italy.



### Technical characteristics

- High performing three-pass cast iron element
- 3 stars efficiency according to EN 92/42 CEE;
- Digital control panel suitable for connection to digital controller and outdoor probe
- Advanced setting and control digital interface for hydraulic circuit pressure, central heating temperatures
- Self-diagnostic micro processor
- Central Heating frost protection system
- Easy-to-maintain thanks to hinged combustion chamber door
- New compact design
- Oil fired burner Ferroli Sun G6

Specifications	DBA30U	DBA42U
Heat output (kW):	30	42
Heat input (kW):	32.2	45
Heating water content (L)	18	23
Expansion tank capacity (L)	10	12
Efficiency Pmax 80-60°C (%):	93	93.3
Working pressure in heating (bar)	6	6
Dry weight (kg)	157	196
Elements (no.)	3	4
Max. heating temp (°C)	95	95
Power supply (V/Hz)	230/50	230/50
Sun Burner	G6	G6
DBAFSS Side flue Ø (mm)	130	130
GNFSET130S Top flue Ø (mm)	130	130

\*\*The Atlas outdoor boiler kit can be used to convert the standard boiler to an outdoor installation.

## Electricity – Clivet Air to Water Heat Pump

Clivet is Italy's undisputed leader of heat pump technology and critically these 'air to water' units are optimised for NZ's difficult low temperature and high humidity conditions. They are designed to satisfy the under-floor heating requirements of small or large sized residential and commercial spaces. All the units are suitable for outdoor installation.



### Features

- Able to heat medium to large homes via under floor systems even under extreme conditions helped by a variable speed fan and water pump technology
- DC inverter technology automatically modulates compressor speed preventing on/off cycling which compromises efficiency and durability
- Extremely quiet operation with soft start technology
- Up to a maximum of over 400% efficient makes electricity an affordable energy option
- Unique anti frost features designed into the heat exchange plates and a special heated drip tray in the floor of the unit which prevents frost from rising

Specifications	HPC8	HPC14	HPC25
Heat output (kW): (Water 35°C / Air 7°C D.B)	8.8	14.5	25.6
Total input (kW): (Compressor + fan)	2.17	3.57	6.64
COP EUROVENT: (30/35°C / 7°C D.B)	4.06	4.06	3.86
COP EN 14511:2004: (30/35°C / 7°C D.B)	3.9	3.92	3.82
Max. heating temp (°C):	60	60	50
Factory set point (°C):	45	45	41
Pump working head (kPa):	70	69	134
Number of refrigerant circuits:	1	1	1
Max. pressure in heating (bar):	6	6	6
Number & type of compressor:	1 scroll	1 scroll	1 scroll
Sound power level (dBa): (40/45°C / 7°C D.B)	63	67	47
Power supply (V/Ph/Hz):	230/1/50	230/1/50	400/3/50
FLA (Amps)	19	29.5	n.a.
FLT (kW)	4.35	6.75	n.a.
Dry weight (kg):	122	173	310
Height (mm):	992	1234	1517
Width (mm):	895	1038	1685
Depth (mm):	378	410	629
A (mm)	143	143	108
B (mm)	372	372	571
C (mm)	60	60	106

## Wood – Atmos Wood Gasification Boiler

Atmos wood or pellet boilers utilize advanced wood gasification combustion technology to produce high outputs and minimal clean air approved emissions. They can be used to heat medium or large homes via either radiators and or under floor systems with optional connection to a hot water storage tank for domestic hot water production. Made in Czech Republic.



### Features

- Two models for burning either wood logs & briquettes or wood pellets at high efficiency of around 90%
- Full digital combustion control for accurate and safe hot water production.
- Ceramic gasifying chamber with rotating cast iron grate with intake of secondary preheated air
- Good combustion by firing up and achieving of operation temperature very quickly
- Easy to clean burning chamber and turbulator from ash

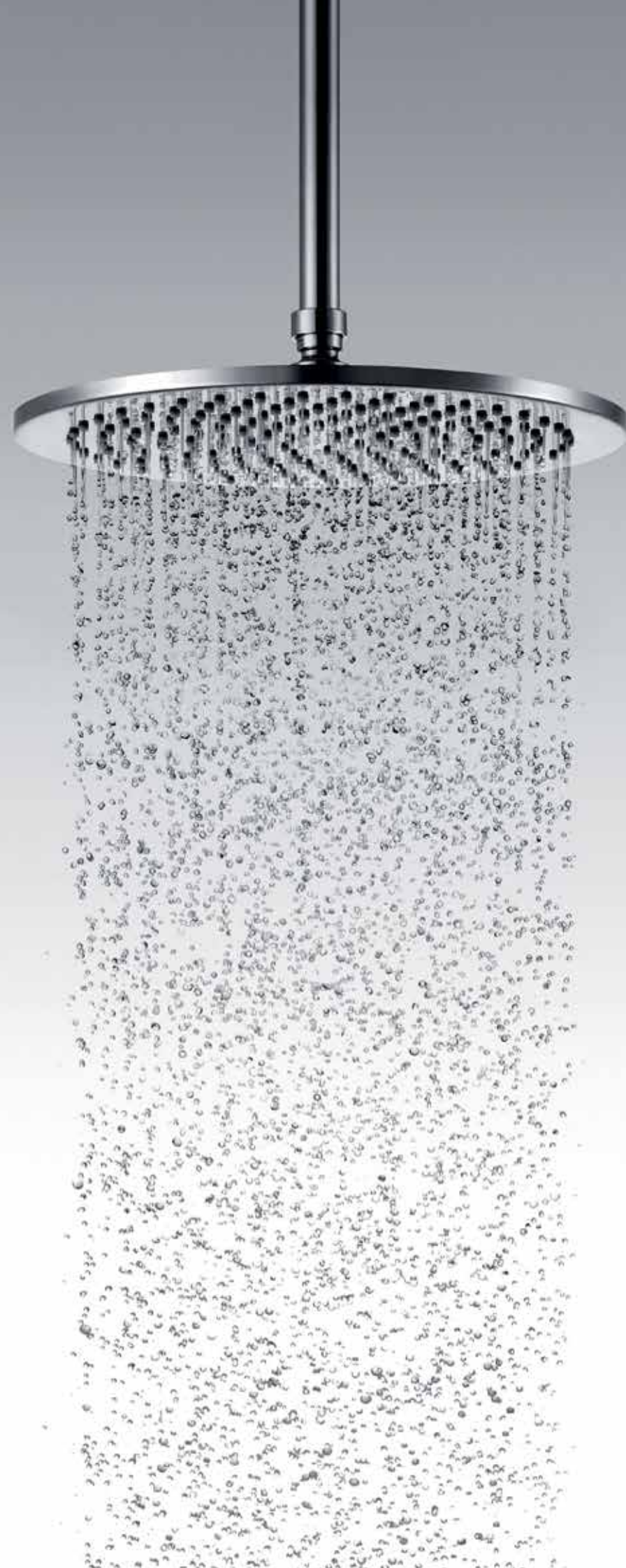
### Installation Requirements

To operate at claimed efficiencies the Atmos boiler should be installed with a 500L buffer tank

- A minimum of 6 - 7m of flue length is required to ensure correct draft is generated for proper operation

Specifications	Wood	Pellet
Code:	WB30	WB30P
Heat output (kW):	32	32
Working efficiency (%):	>90	>90
Specified stack draught (Pa):	24	24
Hopper volume (dm3):	93	93
Maximum log length (mm):	330	330
Maximum working pressure (kPa):	250	250
Water volume (L):	83	83
Minimum return temperature (°C):	65	65
Power supply (V/Hz):	230/50	230/50
Dry weight (kg):	365	395
Height (mm):	1279	1279
Width (mm):	678	678
Depth (mm):	840	1140





# High Efficiency Multi-tasking

The heating appliance has the capacity to be integrated and multi-task a range of extra duties including domestic hot water production and pool heating.

### Domestic Hot Water

Integrating a Protank stainless steel hot water cylinder provides a high capacity, high efficiency domestic hot water system. This solution not only reduces hot water costs but also saves further expenditure on additional plumbing equipment and systems. Made in Britain.



Specifications	210L	300L	500L
Shell material:	304 Duplex SS	304 Duplex SS	304 Duplex SS
TPR Setting:	700 kPa	700 kPa	700 kPa
Cold water expansion setting:	600 kPa	600 kPa	600 kPa
Maximum supply settin:	500 kPa	500 kPa	500 kPa
Factory supply set point:	300 kPa	300 kPa	300 kPa
Inlet / Outlet ports:	25mm	25mm	32mm
Heat exchange coil:	18.5kW	22+22kW	22+22kW
Reheat time via coil:	22min	21min	30min
Overall (Height x Ø)	1478x545mm	2041x545mm	1830x720mm
Weight full	245kg	350kg	590kg

### Pool Heating

A heat exchanger is used to transfer heat energy from the heating appliance to the pool water. The Pahlen range from Sweden is optimized for pool systems and made of materials that permit their use for a wide variety of installations.



Specifications	HXP40	HXP40T	HXP75	HXP75T
Coil material:	316L SS	Titanium	316L SS	Titanium
Body material:	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Chlorination type:	Chemical	Salt	Chemical	Salt
Output:	40 kW	40 kW	75 kW	75 kW
Max. pool capacity:	40m³(@1°/hr)	40m³(@1°/hr)	130m³(@1°/hr)	130m³(@1°/hr)
Slip connection:	50mm	50mm	50mm	50mm
Max. prim. press:	500 kPa	500 kPa	500 kPa	500 kPa
Max. secon. press:	400 kPa	400 kPa	400 kPa	400 kPa

## System Control – Automated Simplicity

Your home can be programmed to be warm according to your schedule and budget. You can even control your system via a smart phone.



### Temperature Compensating Thermostat

Simple controls use the indoor temperature to manage the heating system, however as the outdoor environment changes the indoor temperature takes time to react.

- **Vaillant controllers** use an outdoor sensor to instantly modulate the indoor temperature resulting in greater comfort and reduced running costs (for Vaillant appliances only)



### Standard Room Thermostats

Easy to use touch ring technology and intuitive programming make the **Salus thermostat** our most popular choice. Available in a range of options to suit every application.



### Internet Enabled Thermostats

Internet enabled thermostats allow the home owner remotely control their heating system via any mobile or fixed device.

- The wireless **Netamo thermostat** by 'Stark' is a compact design which can be wall mounted or free standing and comes with a range of changeable colour accents
- The wireless **Salus thermostat** is a contemporary design which can also be wall mounted or free standing

## Alternative Heating Comparisons

A central heating system amounts to an investment similar to a kitchen or bathroom so its important your choices meet or exceed your expectations. Below is our opinion of what to expect with some common home heating alternatives.

### Wood Stove or Cooker Style Radiator Systems

Utilizing a wood fired stove or cooker in place of a dedicated boiler is a nice option if you have access to low cost or free wood.

- Combines the benefits of hydronic central heating and the ambiance of an indoor fire
- Requires manual and continuous stoking of the fire to maintain output

### HRV Energy Recovery Systems

Recommended for humidity control and air purification but fall well short of the kind of energy required to heat a home unless supplemented by additional heating energy.

- Have a history of misrepresenting the home heating capacity and function

### Electric Underfloor

Cost effective solution for spot heating small areas with solid floor surfaces.

- Prohibitively expensive running costs make this an impractical consideration as an entire home heating solution. For example a winter month running costs in a typical 200m<sup>2</sup> home = \$890/mnth @0.24c/kWh x 8hrs/day

### Ducted Hot Air Systems or Air Heat Pumps

Heating via blown hot air is effective but provides a low level of comfort.

- The movement of hot air circulates dust which can aggravate asthma and allergies
- Heating air is up to 4 times less efficient than using the natural convection and radiation principals of hydronic systems
- Fans create background noise
- Hot air furnaces cannot multi-task hot water production
- Hot air furnaces in ducted systems tend to be less efficient than central heating boilers
- Air heat pumps are limited to the space in which they are installed and are expensive if considering to heat the whole home
- Air heat pumps have a negative visual impact on any interior design
- Air heat pumps decrease in performance and efficiency as the outdoor temperature drops - not ideal for heating





# Dollars and Sense

Affordability should consider the upfront cost and the running cost. Below shows the estimated installation and running costs for a new 200m<sup>2</sup> home based on a 0° outside / 20°C inside temperature.

Appliance type	System Type	Installed System Cost	Winter running cost/mnth	Calculation parameters
Natural gas boiler	Radiators	\$14,300	\$190	0.07c/kWh x 6hrs/day
	Underfloor	\$14,900	\$260	0.07c/kWh x 8hrs/day
LPG boiler	Radiators	\$14,300	\$490	0.18c/kWh x 6hrs/day
	Underfloor	\$14,900	\$660	0.18c/kWh x 8hrs/day
Diesel boiler	Radiators	\$19,000	\$270	0.10c/kWh x 6hrs/day
	Underfloor	\$19,100	\$360	0.10c/kWh x 8hrs/day
Wood gasification boiler	Radiators	\$34,900 incl DHW	\$0-\$270	\$0-\$85/m <sup>3</sup> x 6hrs/day
	Underfloor	\$34,900 incl DHW	\$0-\$360	\$0-\$85/m <sup>3</sup> x 8hrs/day
Heatpump	Underfloor	\$25,000	\$260	0.07c/kWh x 8hrs/day

Note: Prices include GST and exclude costs associated with network connections and local authority building consents

### Running Cost Variations

Costs will vary depending on perceived comfort levels, insulation levels, ambient temperature extremes, building design and construction and regional energy prices.

### Multi-task Savings

Most hydronic central heating appliances have the ability to multi-task and produce mains pressure domestic hot water. The cost to implement this represents a significant saving over the cost of adding another plumbing system for hot water so its important to include these savings in the overall project budget.

### Product Origin and Guarantees

When comparing alternative quotes consider the origin and guarantee offered on key components including the boiler, radiators and pipe systems. All of our key suppliers are from Europe and our warranty terms include labour.

### Supplier Reputation

As with all major purchases, ensure you choose suppliers that are established and have a healthy track record. We are a well capitalised, NZ family owned business that have been in the business of keeping Kiwis warm since 1989.

## Professional System Design

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Our friendly tech team will design a system specifically for you and your home. We appreciate most home owners find the decision making process complex and we are here to help you make the best choices. Every new design begins with a heat loss calculation based on a floor plan and if there is any information not evident on your plan, our tech team will make contact to ask any relevant questions.

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Here are some fundamental questions to get you started;

### **What is your best choice of energy?**

Reticulated natural gas is often the best choice if its available in your location but LPG, diesel, wood or heatpumps all have merit depending on your location and the shape of your system.

### **Underfloor or radiators?**

Don't dismiss radiators too early in the decision making process. Its still the most popular choice in European markets for good reason.

### **Are you also considering the plumbing?**

All new builds and many renovations need a hot water system too. Integrating domestic hot water with your central heating system will reduce your overall budget and hot water consumption costs.

## Waterwarewho?



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**Waterware is a privately owned and run family business, established in 1989.**

For 25 years Waterware NZ has been a specialist importer and distributor of bathroom, plumbing and central heating products.

We are an established industry supplier who has built our reputation as being technical experts of what we sell. Our full time technical team are dedicated to designing, training, trouble shooting and supporting the installer network to ensure our products get installed properly.

A number of the worlds leading central heating manufacturers have been introduced to the New Zealand market by Waterware during our on going quest to offer the highest quality, best value systems available in NZ.

A central heating system is a major investment, we support the products we sell with market leading warranty terms and an inventory of spare parts for every past and current product we sell.

We ensure our products that are fully compliant with national regulatory requirements which are often overlooked by suppliers of discount products.

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**Your installer;**

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