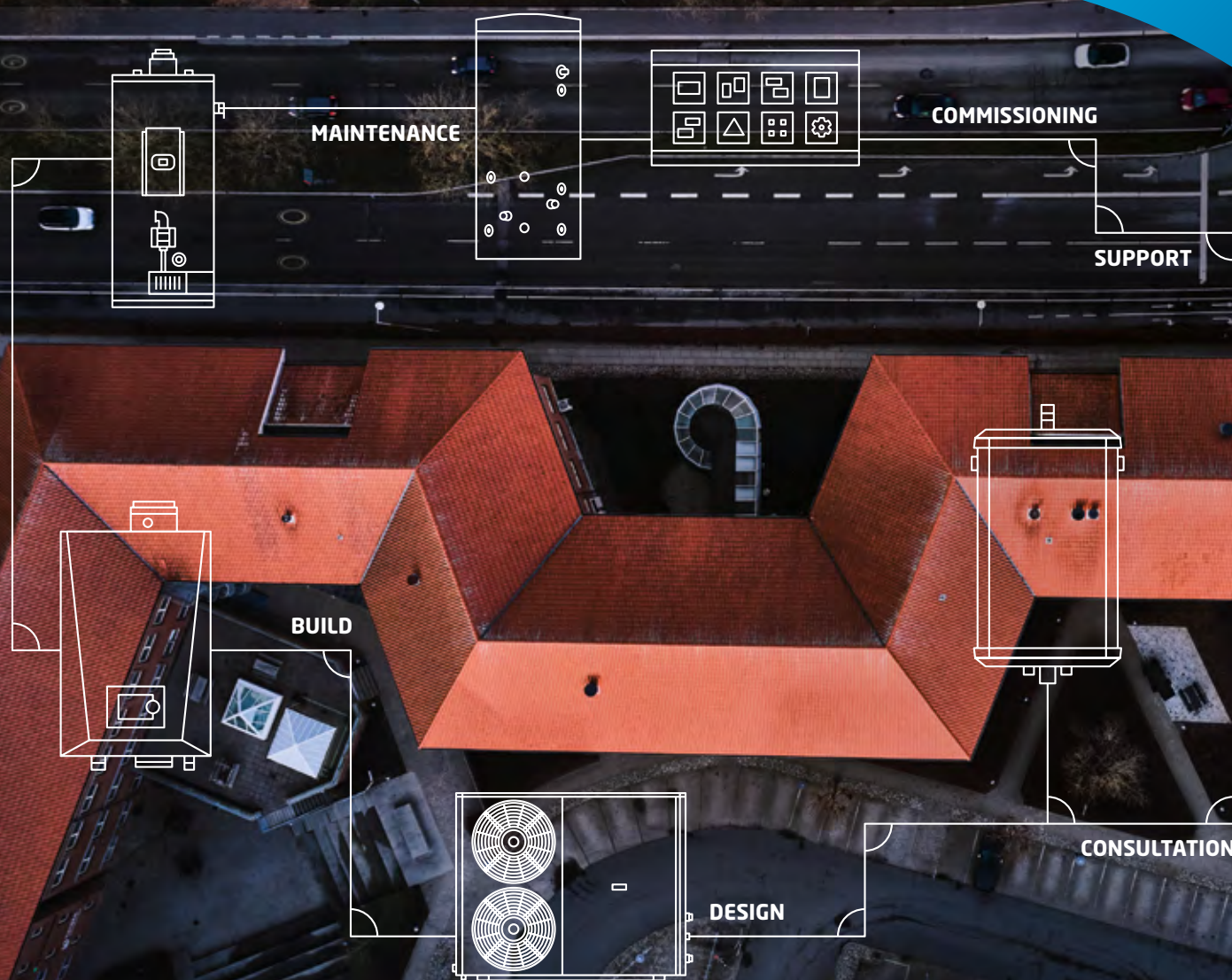


Commercial product guide

2025 edition



Baxi helps

Our portfolio includes some of the best-known and most-respected brands in the heating industry

World-class expertise

We're home to more than 1,100 employees across the UK and Ireland, with a collective knowledge and experience that's literally centuries in the making. We work with all kinds of organisations, listening carefully to, and understanding, their needs and challenges.

Together with specifiers, contractors, wholesalers and commercial end-users, we put in place the most suitable products from our vast portfolio, to make sure we deliver the right solution, every time.

Planning cost-efficiencies

If you engage with us early, we can use our extensive technical knowledge and capability to deliver the most appropriate solution for your project. We'll work with you to support you from design to installation, aftersales support and training.

Broadest product portfolio

We're perfectly placed with our portfolio of brands to provide fully integrated solutions for any heating and hot water requirement. Each and every product is cleverly designed and engineered to ensure easy installation and maintenance. They all meet or exceed the UK and Ireland Government commitments, and legislative requirements to reduce carbon emissions.

With more acquisitions across the BDR Thermea Group such as Hitecsa, Fortes Energy Systems and a stake in GI Holdings, our portfolio will continue to grow to meet the ever changing demands of heating and cooling commercial buildings.

BAXI

CR remeha

ANDREWS
WATER HEATERS

HEATRAESADIA

**Commercial heating
and hot water solutions**

How we heat our buildings must change if we are to meet our national 2050 net zero emissions goal

At Baxi, we believe the transition to low-carbon heating will probably see a shift to heat pumps, smart electric water-heating equipment and heat networks. This combination will also help to overcome any systemic constraints relating to the UK and Ireland's energy supply.

And we know that deciding what heating and hot water solution is most appropriate will depend on the type, age and energy infrastructure of the building.

We provide the appropriate technologies, backed with expert knowledge and technical support, so that you can make the right choices at the right time.

Our expert teams have specialist product, technical and legislative knowledge that means we can identify and deliver a solution based on each individual building and bespoke to its requirements.

We know our products and how to optimise their performance. So, consult with us early on and use us as an expert resource. We can advise on how to achieve the most from one product without needlessly overcomplicated design or sacrificing the efficiency of another component.

By consulting with Baxi from the outset, you could save time and fees in producing a holistic design that achieves premium performance and savings.



Benefits of greater consultation

- Knowledge exchange on latest technologies and applications
- Time and labour savings
- Total buy-in to the design
- Optimal heat-generation design
- Improved control
- Increased heating efficiency over operational life to be better than ever



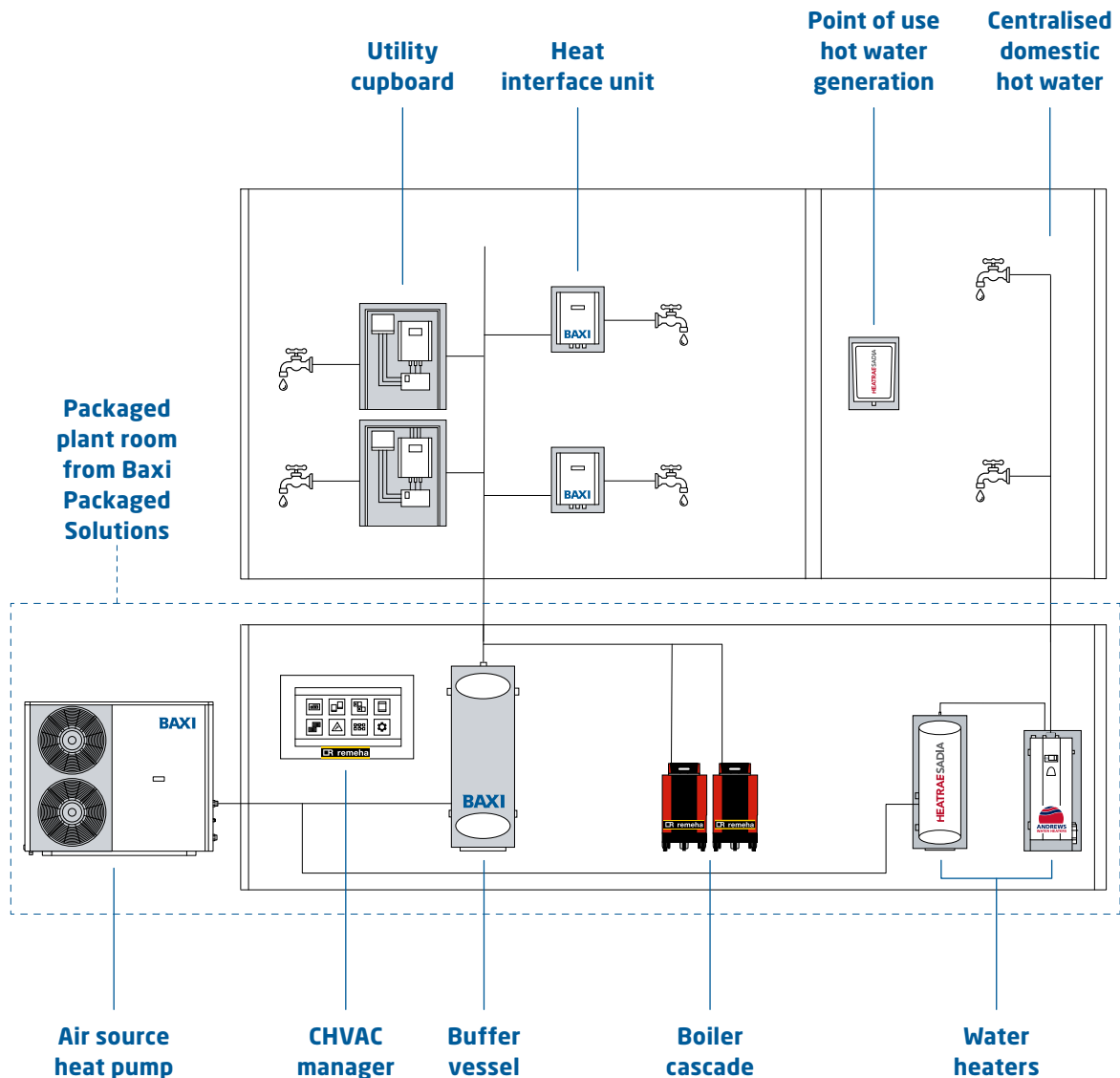
For residential heating and hot water solutions visit: **baxi.co.uk/new-build**

Comprehensive and flexible solutions

Big or small. Complex or straightforward. Baxi Commercial Solutions provide heating and hot water systems for every type of commercial and multi-occupancy building. It's safe to say that every building project is different, and one size never fits all. We know flexibility is key, which is why our products and systems can be combined and configured in any way that suits, and are all complemented by a full range of ancillary products and accessories from Baxi...



[Click to watch our commercial solutions video](#)



Heat pumps

Our air source heat pumps deliver reliable, efficient heating available with coastal protection, for lasting performance in any environment. Ready for the low-carbon challenge of today.

The monobloc design is a self-contained heat generator, extracting renewable heat from the atmosphere and amplifying it using refrigerant compression. Specifically manufactured for Northern European climates, our air source heat pumps can deliver a supply temperature of up to 60°C and operate down to ambient temperatures of -20°C, providing a sustainable solution for all UK and Ireland buildings – including coastal locations where durability is key.

Our coastal protection heat pumps are built to withstand harsh seaside conditions, resisting corrosion caused by salt, moisture, and sea air. This ensures long-term reliability and efficiency, even in the most exposed environments.

Quiet and exceptionally energy efficient, our heat pumps can be seamlessly integrated with other products and heat sources to provide robust and sustainable heating and hot water solutions for new build and retrofit applications.

Wherever you need heating or indirect hot water production – from urban developments to coastal retreats – our heat pumps offer a high-performing, efficient choice.

MID AND HIGH-TEMPERATURE AIR TO WATER HEAT PUMPS

Baxi Auriga HP

7

Baxi Auriga HP+

8

Baxi Auriga HP and HP+ accessories

9

The Baxi Auriga Mid-Temperature and Auriga+ High-Temperature Heat Pump ranges are perfect for commercial applications in both fully-electric and hybrid heating systems.

Built from over 30 years' experience in commercial air source heat pumps and low carbon heating systems across Europe, Baxi's Auriga and Auriga+ ranges are self-contained heat generators with a monobloc design, extracting renewable heat from the atmosphere and amplifying it using R32 (mid-temperature) and R290 (high-temperature) refrigerants.

Whatever the size or complexity of your project, our dedicated experts are on hand to advise you on the right product accessories to support your installation.



Mid-Temperature Air to Water Heat Pump

Baxi Auriga HP

Available in four outputs of 20kW, 26kW, 33kW and 40kW, Baxi Auriga HP ASHPs can be used as part of a hybrid or standalone system in both new build and retrofit applications.



BAXI



SCOP of up to 4.83
- high seasonal
operating efficiencies



**5 year parts
and labour
warranty****



**Compatible with cascade
or hybrid system controls -
find out more on page 9**

Baxi Auriga	HP 20T	HP 26T	HP 33T	HP 40T
Product code	7832028	7832029	7832031	7832032
Baxi Auriga Coastal Protection	HP/TX 20T	HP/TX 26T	HP/TX 33T	HP/TX 40T
Product code	7854470	7854471	7854472	7837263
Performance				
Heating capacity @ A7/W35 (kW)	21.2	27.2	33.4	40.2
SCOP at W35	4.42	4.31	4.83	4.8
SCOP at W55	3.31	3.47	3.58	3.61
Water flow temp min / max (°C)	25 / 60	25 / 58	25 / 60	25 / 60
Seasonal efficiency at W35 (%)	174	170	190	189
Seasonal efficiency at W55 (%)	130	136	140	142
ErP sound power level LwA*** db(A)	65	65	65	65
ErP sound power level LpA @5m db(A)	43	43	43	43
Refrigerant				
Refrigerant type	R32	R32	R32	R32
Refrigerant weight	4.8	4.8	5.6	5.6
Refrigerant GWP	675	675	675	675
Equivalent CO ₂ (Tn)	3.24	3.24	3.78	3.78
General				
Dimensions - W x H x D (mm)	1,612 x 1,276 x 669	1,612 x 1,276 x 669	1,882 x 1,581 x 683	1,882 x 1,581 x 683
Weight (dry) (kg)	271	272	361	363
Clearances****				
Front (mm)	1,500	1,500	1,500	1,500
Rear (mm)	600	600	600	600
Left / right (mm)	800	800	800	800
Top (mm)	800	800	800	800

* 20 & 26kW = A++ & 33 & 40 kW = A+++

** Warranty subject to our commissioning.

*** In accordance with EN12102-1 under condition A7/W55.

**** Please refer to the installation and maintenance manual for detailed information on required clearances.

High-Temperature Air to Water Heat Pump

Baxi Auriga HP+

Capable of producing temperatures up to 80°C and with SCOPs up to 5.17, the Baxi Auriga HP+ High-Temperature Air-to-Water Heat Pump delivers efficient and reliable performance for a wide range of heating needs.



BAXI



SCOP of up to 5.17
- high seasonal
operating efficiencies



**5 year parts
and labour
warranty***



**Compatible with cascade
or hybrid system controls -
find out more on page 9**

Baxi Auriga+	HP+ 20T	HP+ 30T
Product code	7832039	7832040
Baxi Auriga+ (coastal protection)	HP+/TX 20T	HP+/TX 30T
Product code	7837274	7837275
Performance		
Heating capacity @ A7/W35 (kW)	20	30
SCOP at W35	5	5.17
SCOP at W55	3.86	3.96
Water flow temp min / max (°C)	25 / 80	25 / 80
Seasonal efficiency at W35 (%)	197	204
Seasonal efficiency at W55 (%)	151	155
ErP sound power level LwA** db(A)	63	65
ErP sound power level LpA @5m db(A)	41	43
Refrigerant		
Refrigerant type	R290	R290
Refrigerant weight	4.45	4.75
Refrigerant GWP	3	3
Equivalent CO ₂ (Tn)	0.01335	0.01425
General		
Dimensions - W x H x D (mm)	1,881 x 1,806 x 672	1,881 x 1,806 x 672
Weight (dry) (kg)	330	360
Clearances***		
Front (mm)	1,500	1,500
Rear (mm)	1,500	1,500
Left / right (mm)	800	800
Top (mm)	600	600

* Warranty subject to our commissioning.

** In accordance with EN12102-1 under condition A7/W55.

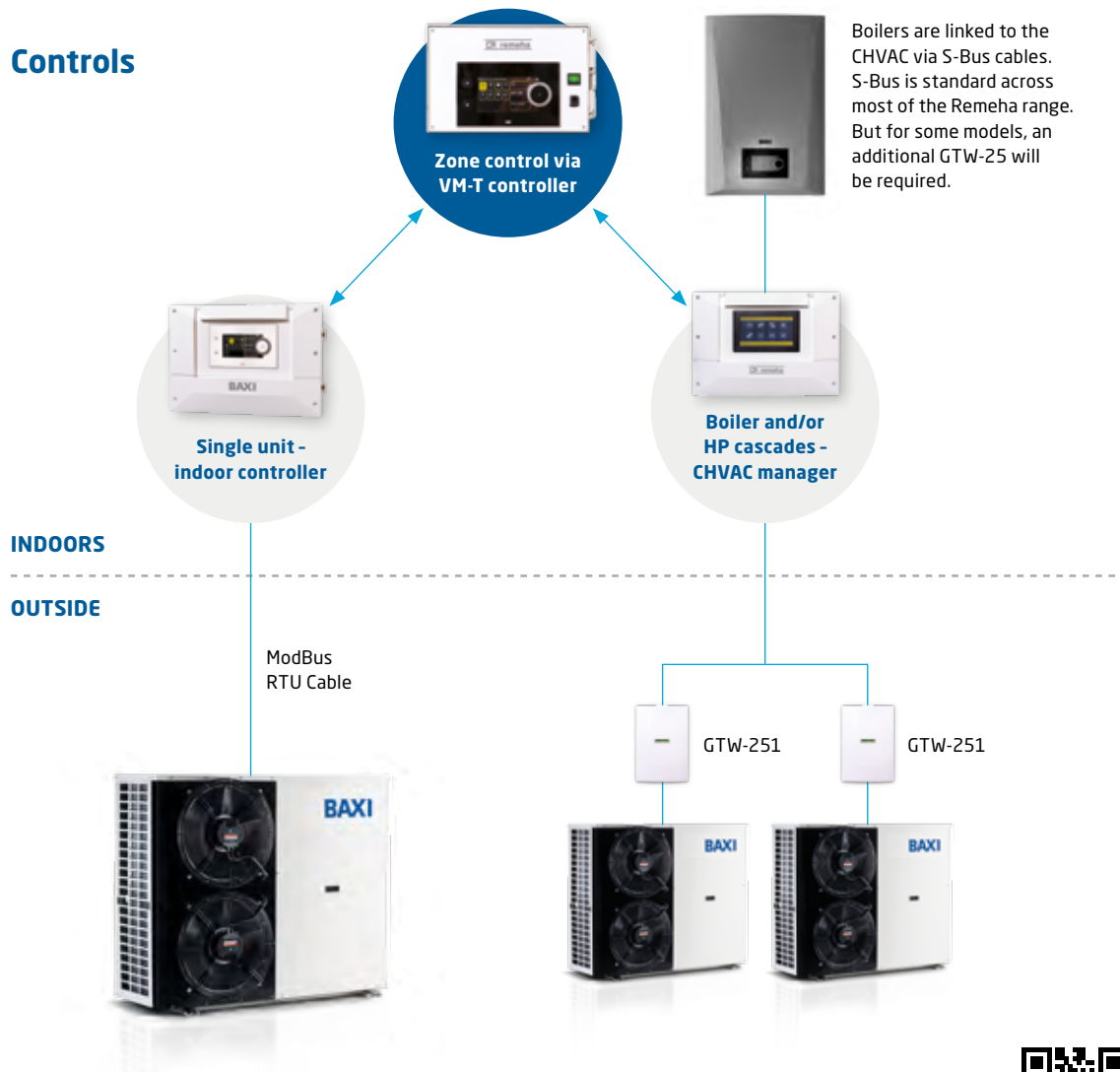
*** Please refer to the installation and maintenance manual for detailed information on required clearances.

Baxi Auriga HP and HP+ accessories

Compatible accessories

Item	Product code	Baxi Auriga HP 20kW	Baxi Auriga HP 26kW	Baxi Auriga HP 33kW	Baxi Auriga HP 40kW	Baxi Auriga+ 20kW	Baxi Auriga+ 30kW
Rubber Shock Absorber 20/26 kW	7841692	•	•				
Rubber Shock Absorber 33/40 kW	7848648			•	•	•	•
Water Filter 1 1/4"	7841694	•	•			•	•
Water Filter 1 1/2"	7841695			•			
Water Filter 2"	7841696				•		
Antifreeze security valve 1 1/4"	7841697	•	•				
Antifreeze security valve 1 1/2"	7841698			•			
Antifreeze security valve 2"	7841699				•		
Refrigerant detector	7841700	•	•	•	•		
Refrigerant Detector (Auriga+)	7854446					•	•

Controls



Hot water storage

Our water storage tanks have quick heat recovery times, so you're sure to find one that meets your needs, whether your project is a new specification or a building refurbishment.

Options include high grade Duplex stainless steel cylinders as well as glass lined steel cylinders and mild steel buffer vessels. With a selection of accessories and unvented systems kits, all are designed to the latest standards including KIWA certification or meet G3 Building Regulations.

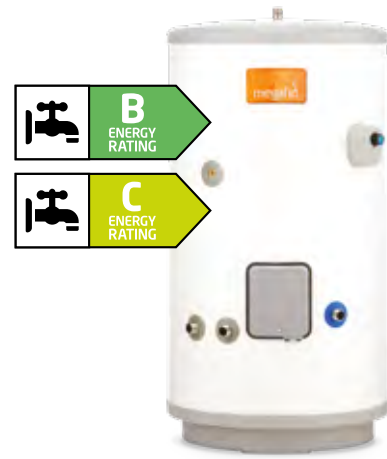
HEATRAE SADIA CYLINDERS AND CALORIFIERS

Megaflo Eco	11
Megaflo Eco Slimline	13
Megaflo Eco Plus	15
Megaflo Eco Plus Flexistor	17
Megaflo Commercial	19
Megaflo Commercial Flexistor	21
Commercial Thermal Stores	23

Indirect Unvented Cylinders

Megaflo Eco

Better for you and the environment, our Megaflo Eco cylinders are the best choice for conserving energy while providing superior performance.



HEATRAESADIA



Improved re-heat time

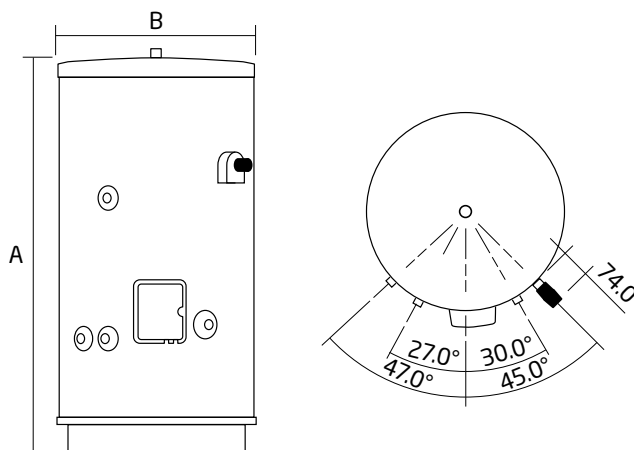


60mm injected foam insulation increases heat retention and efficiency



30 year warranty*

Technical information	70i	125i	145i	170i 2	210i 2	250i 2	300i 2
Product code	95050461	95050463	95050465	7817127	7817128	7817129	7817130
Nominal capacity (litres)	70	125	145	170	210	250	300
Insulation thickness (mm)	60	60	60	60	60	60	60
Coil rating @ 15l/min at 80°C (kW)	19.8	19.5	20.9	20.1	18.4	19.5	19.7
Heat up times 15°C to 60°C @ 15l/min at 80°C (mins)	12.5	21.9	23.2	25.1	28	33.7	40.7
Standby heat loss (kWh/24h)	0.91	1.05	1.18	1.2	1.36	1.51	1.77
3kW immersion heaters	1	1	1	1	1	1	1
Water heating efficiency class	B	B	B	B	B	C	C
T&P valve settings	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C
Operating pressure (unvented) (bar)	3	3	3	3	3	3	3
Height (A) (mm)	802	1,102	1,229	1,384	1,486	1,738	2,053
Diameter (B) (mm)	579	579	579	579	579	579	579
Weight - full (kg)	125	180	204	213	257	304	359
Weight - empty (kg)	25	31	35	43	47	54	59



* 2 years' warranty as standard, with 30 years on the inner stainless steel tank. This includes components within the tank which are not designed to be removed. Visit heatraesadia.com for full terms and conditions of warranties.

For more technical information, please visit heatraesadia.com



Direct Unvented Cylinders

Megaflo Eco

Our direct heated Megaflo Eco cylinder, providing the same high levels of comfort and hot water performance as our Indirect models. The unique 'L' shaped immersion heater maximises the volume of hot water available.



HEATRAESADIA



Improved re-heat time

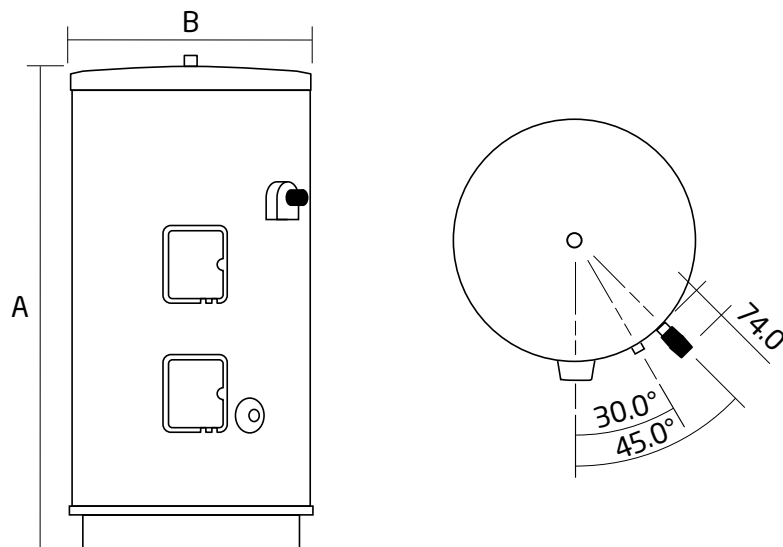


Long-life titanium electric heating elements



30 year warranty*

Technical information	D70	DD125	DD145	DD170	DD210	D250	DD300
Product code	95050460	95050462	95050464	95050466	95050468	95050470	95050473
Nominal capacity (litres)	70	125	145	170	210	250	300
Insulation thickness (mm)	60	60	60	60	60	60	60
Standby heat loss (kWh/24h)	0.91	1.05	1.18	1.2	1.42	1.61	1.69
3kW immersion heaters	1	2	2	2	2	2	2
Heat up times 15°C to 60°C (mins)	92	62	79	88	90	98	93
Water Heating efficiency class	B	B	C	C	C	C	C
T&P valve settings	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C
Operating pressure (unvented) (bar)	3	3	3	3	3	3	3
Height (A) (mm)	802	1,102	1,229	1,384	1,486	1,738	2,053
Diameter (B) (mm)	579	579	579	579	579	579	579
Weight - full (kg)	115	165	183	216	237	282	339
Weight - empty (kg)	23	25	31	34	38	46	56



* 2 years' warranty as standard, with 30 years on the inner stainless steel tank. This includes components within the tank which are not designed to be removed. Visit heatraesadia.com for full terms and conditions of warranties.

For more technical information, please visit heatraesadia.com



Megaflo Eco Slimline

The same outstanding benefits, features and components as the Megaflo Eco, just with a smaller footprint. Megaflo Eco Slimline is a slimline cylinder on the market with internal expansion.


HEATRAESADIA


**Space-saving, slimline design
for ease of installation**



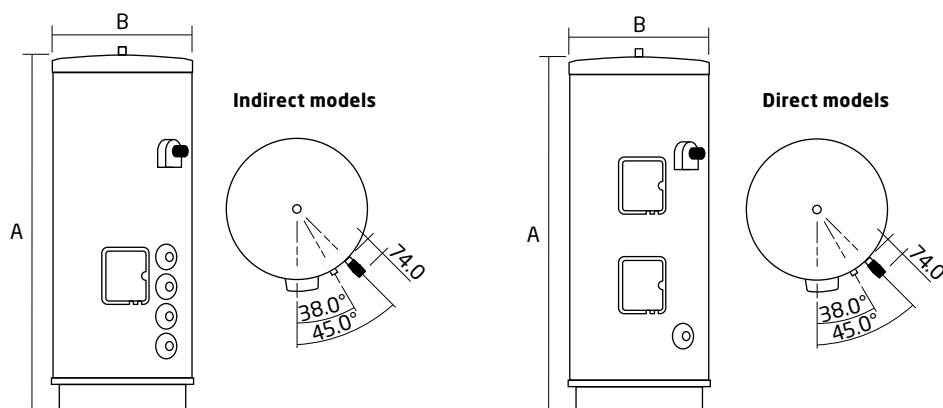
**High corrosion
resistance**



**30 year
warranty***

Technical information	100i	125i	150i	170i	200i
Product code	7034087	7034088	7034089	7034090	7034091
Performance					
Nominal capacity (litres)	100	125	150	170	200
Insulation thickness	50	50	50	50	50
Standby heat loss (kWh/24h)	1.13	1.38	1.46	1.72	1.88
Coil rating @ 15l/min at 80°C (kW)	16.9	16.9	16.9	16.9	16.9
Heat up times 15°C to 60°C @ 15l/min at 80°C (mins)	19	26	27	31	35
3kW immersion heaters	1	1	1	1	1
Water heating efficiency class	B	C	C	C	C
T&P valve settings	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C
Operating pressure (unvented) (bar)	3	3	3	3	3
General					
Height (A) (mm)	1,194	1,440	1,622	1,883	2,079
Diameter (B) (mm)	491	491	491	491	491
Weight - full (kg)	131	162	186	219	243
Weight - empty (kg)	31	36	40	45	48





Technical information	100D	125D	150D	170D	200D
Product code	7034082	7034083	7034084	7034085	7034086
Performance					
Nominal capacity (litres)	100	125	150	170	200
Insulation thickness (mm)	50	50	50	50	50
Standby heat loss (kWh/24h)	1.13	1.38	1.46	1.72	1.88
3kW immersion heaters	1	2	2	2	2
Heat up times 15°C to 60°C (mins)	109	63	75	85	109
Water heating efficiency class	B	C	C	C	C
T&P valve settings	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C
Operating pressure (unvented) (bar)	3	3	3	3	3
General					
Height (A) (mm)	1,194	1,440	1,622	1,883	2,079
Diameter (B) (mm)	491	491	491	491	491
Weight - full (kg)	131	162	186	219	243
Weight - empty (kg)	31	36	40	45	48

* 2 years' warranty as standard, with 30 years on the inner stainless steel tank. This includes components within the tank which are not designed to be removed. Visit heatraesadia.com for full terms and conditions of warranties.

For more technical information, please visit heatraesadia.com



Indirect and Direct Unvented Cylinders

Megaflo Eco Plus

This range of high performance cylinders have a 3.5 bar operating pressure, promising a truly outstanding water delivery, higher flow rates and faster recovery times than Megaflo Eco.

HEATRAESADIA



Highly-insulated for minimal heat loss and better efficiency



High flow rates of up to 176 litres per minute



30 year warranty*

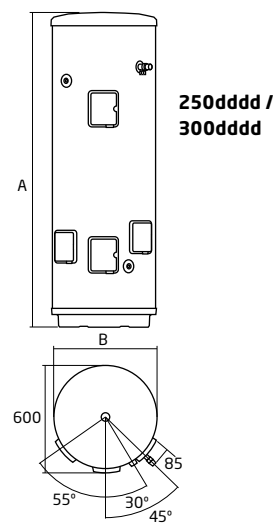
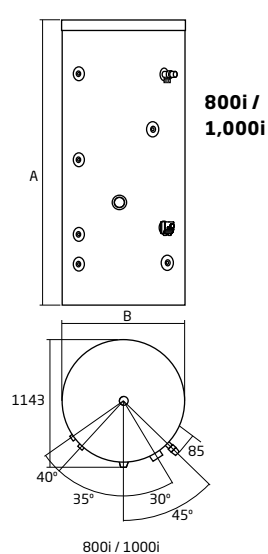
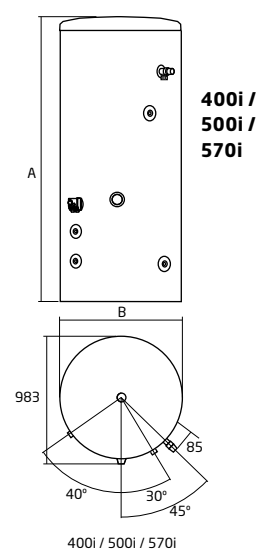
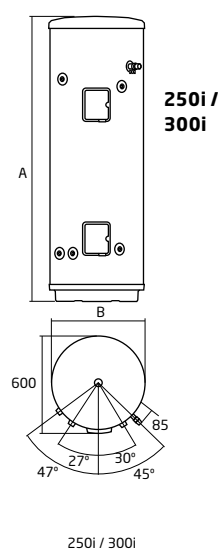
Technical information	250i	300i	400i	500i	570i	800i	1000i
Product code	95050710	95050711	95050712	95050713	95050714	95050721	95050722
Performance							
Nominal capacity (litres)	250	300	400	500	570	800	1,000
Standby heat loss (kWh/24h)	1.67	1.89	1.72	2.14	2.44	2.74	3.33
Coil rating @ 60l/min at 80°C (kW)	42.2	42	56.9	54.3	53.6	58.7	64.8
Heat up times 15°C to 60°C @ 60l/min at 80°C (mins)	18.6	23.4	21	28	30	33	40
3kW immersion heaters	1	1	1	1	1	1	1
Water heating efficiency class	C	C	B	C	C	C	C
T&P valve settings	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C
Operating pressure (unvented) (bar)	3	3	3	3	3	3	3
General							
Height (A) (mm)	1,737	2,052	1,502	1,802	1,977	1,914	2,327
Diameter (B) (mm)	579	579	861	861	861	1,019	1,019
Weight - full (kg)	309	366	495	610	685	1,011	1,219
Weight - empty (kg)	59	66	95	110	115	211	219

For more technical information, please visit heatraesadia.com





Technical information	DDDD250	DDDD300
Product code	95050700	95050701
Performance		
Nominal capacity (litres)	250	300
Standby heat loss (kWh/24h)	1.67	1.89
3kW immersion heaters	4	4
Heat up times 15°C to 60°C (mins)	65.6	78.7
Water heating efficiency class	C	C
T&P valve settings	10 bar / 90°C	10 bar / 90°C
Operating pressure (unvented) (bar)	3	3
General		
Height (A) (mm)	1,737	2,052
Diameter (B) (mm)	579	579
Weight - full (kg)	300	357
Weight - empty (kg)	50	57



* 2 years' warranty as standard, with 30 years on the inner stainless steel tank. This includes components within the tank which are not designed to be removed. Visit heatraesadia.com for full terms and conditions of warranties.

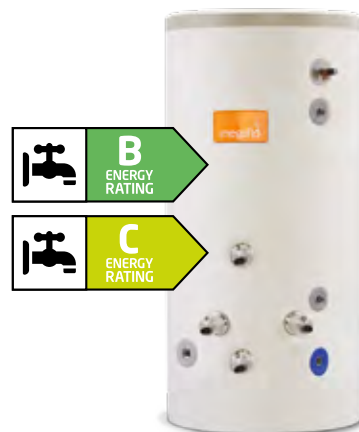
For more technical information, please visit heatraesadia.com



Unvented Cylinders

Megaflo Eco Plus Flexistor

With a 3.5 bar operating pressure, these calorifiers can be used in a whole host of applications including installations requiring buffer vessels. Fitted with flow and return connections to facilitate various heat sources, such as a heat pump via a plate-to-plate heat exchanger.



HEATRAESADIA



Perfect for large residential and commercial applications



High flow rates of up to 140 litres per minute



30 year warranty*

Technical information	400	500	570	800	1000
Product code	7038361	7038362	7038363	7038364	7038365
Performance					
Nominal capacity (litres)	400	500	570	800	1,000
Standby heat loss (kWh/24h)	1.72	2.14	2.44	2.74	3.33
Max immersion heaters (kW)	12	12	12	24	24
Heat up times @ max kW (mins)	105	131	150	95	117
Water heating efficiency class	B	C	C	C	C
T&P valve settings	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C
Operating pressure (unvented) (bar)	3	3	3	3	3
General					
Height (A) (mm)	1,533	1,817	2,012	1,502	1,897
Diameter (B) (mm)	872	872	872	1,024	1,024
Weight - full (kg)	481	588	662	955	1,215
Weight - empty (kg)	81	88	92	155	215

For more technical information, please visit heatraesadia.com

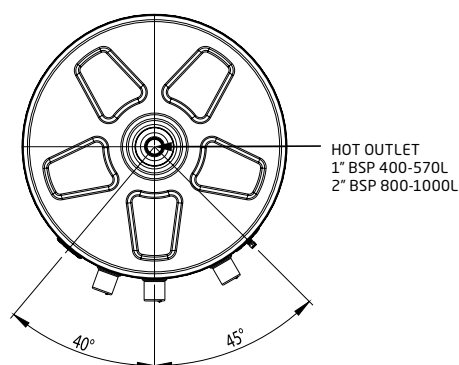
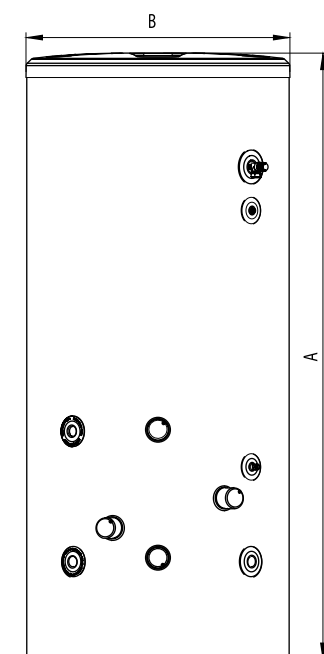




Accessories

Product code

Unvented kit 400 - 570L (w/ 35L expansion vessel)	7038492
Unvented kit 800 - 1000L (w/ 60L expansion vessel)	7038493
De-stratification loop kit	95970140
3kW immersion heater	7038490
6kW immersion heater	7038491



* 2 years' warranty as standard, with 30 years on the inner stainless steel tank. This includes components within the tank which are not designed to be removed. Visit heatraesadia.com for full terms and conditions of warranties.

For more technical information, please visit heatraesadia.com



Unvented Calorifiers

Megaflo Commercial

Megaflo Commercial calorifiers offer higher flow rates and faster recovery times than Megaflo Eco Plus. Available in indirect models and in a choice of sizes up to 2,500 litres, with options for 6 or 10 bar operating pressure.



HEATRAESADIA



Industry-leading heat recovery times of less than sixty minutes



Marine grade duplex stainless steel construction



30 year warranty*

6 BAR

Technical information	400i	500i	800i	1000i	1250i	1450i	2000i	2500i
Product code	95050540	95050541	95050542	95050543	95050544	95050545	95050547	95050549
Performance								
Nominal capacity (litres)	400	500	800	1,000	1,250	1,450	2,000	2,500
Standby heat loss (kWh/24h)	1.79	1.96	2.17	2.42	2.43	2.65	3.14	3.36
Coil rating @ 60l/min at 80°C (kW)	56.56	54.33	68.46	65.7	998	92.4	106.6	114.36
Heat up times 15°C to 60°C @ 60l/min at 80°C (mins)	24	33	38	52	43	53	62	74
Water heating efficiency class	B	C	C	C	C	C	C	n/a
T&P valve settings	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C
Operating pressure (unvented) (bar)	3	3	3	3	3	3	3	3
General								
Height (mm)	1,534	1,804	1,906	2,301	1,936	2,253	2,014	2,419
Diameter (mm)	872	872	1,024	1,024	1,224	1,224	1,470	1,470
Weight - full (kg)	505	610	964	1,188	1,569	1,872	2,445	2,950
Weight - empty (kg)	105	110	164	188	319	322	445	450

For more technical information, please visit heatraesadia.com





10 BAR

Technical information	400i	500i	800i	1000i	1250i	1450i	2000i	2500i
Product code	95050570	95050571	95050572	95050573	95050574	95050575	95050577	95050579
Performance								
Nominal capacity (litres)	400	500	800	1,000	1,250	1,450	2,000	2,500
Standby heat loss (kWh/24h)	1.79	1.96	2.17	2.42	2.43	2.65	3.14	3.36
Coil rating @ 60l/min at 80°C (kW)	56.56	54.33	68.46	65.7	998	92.4	106.6	114.36
Heat up times 15°C to 60°C @ 60l/min at 80°C (mins)	24	33	38	52	43	53	62	74
Water heating efficiency class	B	C	C	C	C	C	C	n/a
T&P valve settings	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C
Operating pressure (unvented) (bar)	3	3	3	3	3	3	3	3
General								
Height (mm)	1,534	1,804	1,906	2,301	1,936	2,253	2,014	2,419
Diameter (mm)	872	872	1,024	1,024	1,224	1,224	1,470	1,470
Weight - full (kg)	505	610	964	1,188	1,569	1,872	2,445	2,950
Weight - empty (kg)	105	110	164	188	319	322	445	450

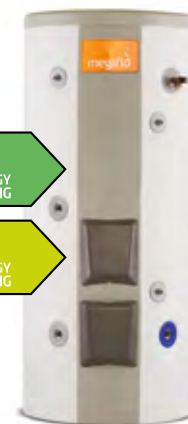
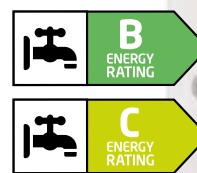
* 2 years' warranty as standard, with 30 years on the inner stainless steel tank. This includes components within the tank which are not designed to be removed. Visit heatraesadia.com for full terms and conditions of warranties.



For more technical information, please visit heatraesadia.com

Megaflo Commercial Flexistor

Designed to optimise installation flexibility, these calorifiers can be used as electrically heated cylinders with a wide variety of immersions to suit required application including buffer type installations. Available in a choice of sizes up to 2,500 litres, with options for 6 or 10 bar operating pressure.


HEATRAESADIA


High performance
heat recovery



100mm injected foam
insulation increases heat
retention and efficiency



30 year
warranty*

6 BAR

Technical information	400	500	800	1000	1250	1450	2000	2500
Product code	7038353	7038354	7038355	7038356	7038357	7038358	7038359	7038360
Performance								
Nominal capacity (litres)	400	500	800	1,000	1,250	1,450	2,000	2,500
Standby heat loss (kWh/24h)	1.79	1.96	2.17	2.42	2.43	2.65	3.14	3.36
Max immersion upper (kW)	30	45	45	45	54	54	54	54
Max immersion lower (kW)	9	12	18	36	30	36	36	36
Heat up times @ max kW (mins)	32	28	40	39	47	51	70	87
Water heating efficiency class	B	C	C	C	C	C	C	n/a
T&P valve settings	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C
Operating pressure (unvented) (bar)	3	3	3	3	3	3	3	3
General								
Height (mm)	1,534	1,804	1,906	2,301	1,936	2,253	2,014	2,419
Diameter (mm)	872	872	1,024	1,024	1,224	1,224	1,470	1,470
Weight - full (kg)	499	600	960	1,180	1,547	1,754	2,415	2,921
Weight - empty (kg)	99	100	160	180	297	304	415	421



10 BAR

Technical information	400	500	800	1000	1250	1450	2000	2500
Product code	7038513	7038514	7038515	7038516	7038517	7038518	7038519	7038520
Performance								
Nominal capacity (litres)	400	500	800	1,000	1,250	1,450	2,000	2,500
Standby heat loss (kWh/24h)	1.79	1.96	2.17	2.42	2.43	2.65	3.14	3.36
Max immersion lower (kW)	30	45	45	45	54	54	54	54
Max immersion upper (kW)	9	12	18	36	30	36	36	36
Heat up times @ max kW (mins)	32	28	40	39	47	51	70	87
Water heating efficiency class	B	C	C	C	C	C	C	n/a
T&P valve settings	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C	10 bar / 90°C
Operating pressure (unvented) (bar)	3	3	3	3	3	3	3	3
General								
Height (mm)	1,534	1,804	1,906	2,301	1,936	2,253	2,014	2,419
Diameter (mm)	872	872	1,024	1,024	1,224	1,224	1,470	1,470
Weight - full (kg)	499	600	960	1,180	1,547	1,754	2,415	2,921
Weight - empty (kg)	99	100	160	180	297	304	415	421

Accessories	Product code	Accessories	Product code
Unvented kit 400 - 500L	7038504	6kW immersion heater	95970155
Unvented kit 800L	7038505	9kW immersion heater	95970156
Unvented kit 1000L	7038506	12kW immersion heater	95970144
Unvented kit 1250L	7038507	18kW immersion heater	95970145
Unvented kit 1450L	7038508	24kW immersion heater	95970146
Unvented kit 2,000 - 2,500L	7038509	30kW immersion heater	95970147
		36kW immersion heater	95970148
		45kW immersion heater	95970149
		54kW immersion heater	95970150

* 2 years' warranty as standard, with 30 years on the inner stainless steel tank. This includes components within the tank which are not designed to be removed. Visit heatraesadia.com for full terms and conditions of warranties.

For more technical information, please visit heatraesadia.com



Hot Water Storage

Commercial Thermal Stores

With capacities from 750L to 5,000L, this versatile range offers eight flow and return connections, supplying heat to a domestic hot water module whilst integrating seamlessly into both hybrid and all-electric systems.



BAXI



Highly-insulated for minimal heat loss and better efficiency



Up to 4" connections to manage high system flow rates



2 year parts and labour warranty

Technical information	750L	1,000L	1,500L	2,000L	2,500L	3,000L	5,000L
Product code	7863754	7863755	7863756	7863757	7863758	7863759	7863762
Performance							
Nominal capacity (litres)	726	1,000	1,438	2,041	2,500	3,000	5,000
Standby heat loss (kWh/24h)*	3.12	3.31	3.69	4.58	Not required for Ecodesign		
Insulation thickness (mm)	110	140	140	110	110	110	110
Max working pressure (bar)	6	6	6	6	6	6	6
Max working temperature (°C)	95	95	95	95	95	95	95
General							
Height (mm)	1,765	2,075	2,245	2,565	2,360	2,860	2,970
Diameter (mm)	1,010	1,130	1,280	1,320	1,470	1,470	1,820
Weight - full (kg)	821	1,115	1,618	2,281	2,750	3,330	5,525
Weight - empty (kg)	95	115	180	240	250	300	525

Accessories	Product code
10kW electric heating element	7876469

* Tested in accordance with BSEN12897.



Electric heating and hot water

Our range of electric heating and hot water products is one of the widest and most comprehensive available in the UK and Ireland today, and we are proud of the service we provide to our customers.

It doesn't matter how complex your requirements, our unrivalled knowledge and expertise will help you find practical and cost-effective solutions for your project from concept to completion and aftersales service.

Our systems provide the alternative solutions to gas, and include:

- Instantaneous water heating solutions designed for point-of-use applications in commercial environments for showers or handwash facilities
- High performance Megaflo commercial cylinders for continuous or high demand of hot water such as in hotels, leisure centres and office blocks.

HEATRAE SADIA ELECTRIC HEATING AND HOT WATER

FBM Eco	25
Streamline	26
Express	27
R Plus	28
Multipoint	29
Multipoint Eco	30
Multipoint Instantaneous	31
Hotflo	32
Supreme	34
Multipoint and Hotflo accessories	36
Immersion heaters and thermostats	38
Vented tap packages	40

Electric Vented Storage

FBM Eco

The FBM Eco* is a self-contained, vented hot water solution for commercial or large domestic uses with multiple outlets, available in four sizes. This unit has no requirement for special taps and can be added to a standard system, meaning full compliance.



HEATRAESADIA



Digital controls for improved usability

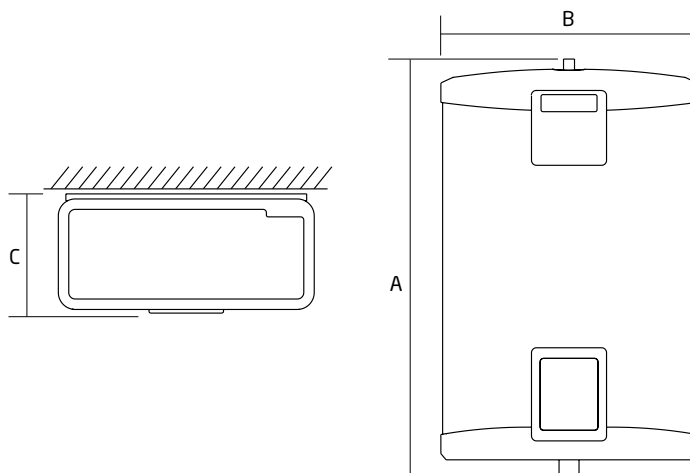


Easy to install and maintain



5 year inner container warranty**

Technical information	FBM Eco 25	FBM Eco 45	FBM Eco 70	FBM Eco 120
Product code	95040500	95040501	95040502	95040503
General				
Capacity (litres)	25	45	70	120
Height (A) (mm)	830	882	1,221	1,021
Width (B) (mm)	510	609	609	660
Depth (C) (mm)	235	276	276	429
Weight empty (kg)	15	20	35	40
Weight full (kg)	40	65	105	160
ErP rating	B	C	C	C
Immersion heater (kW)	3	3	3	3
Heat up time (mins)	30	50	80	135
Standing heat loss (kWh/24h)	0.56	0.84	1.12	1.27



* Unit requires a minimum height above the highest outlet tap of 1,200mm from the bottom of the heater.

** As per terms and conditions please visit www.heatraesadia.com/trade/product-warranty

For more technical information, please visit heatraesadia.com



Electric Vented Storage

Streamline

An open-outlet point of use product, Streamline is available as a complete undersink or oversink unit. The undersink unit is to be used in conjunction with Heatrae Sadia open vented taps.



HEATRAESADIA



Lightweight and compact design



Wall mounted design



2 year warranty*

Technical information	Streamline undersink 7/1	Streamline undersink 7/3	Streamline undersink 10/1	Streamline undersink 10/3	Streamline oversink 7/1	Streamline oversink 7/3	Streamline oversink 10/1	Streamline oversink 10/3
Product code	95010280	95010282	95010284	95010286	95010281	95010283	95010285	95010287
Performance								
Capacity (litres)	7	7	10	10	7	7	10	10
Height (A) (mm)	477	477	477	477	500	500	500	500
Width (B) (mm)	289	289	289	289	290	290	290	290
Depth (C) (mm)	178	178	278	278	178	178	278	278
Weight empty (kg)	3.4	3.4	3.8	3.8	3.6	3.6	4	4
Weight full (kg)	10.4	10.4	13.8	13.8	10.6	10.6	14	14
ErP rating	B	B	B	B	B	B	B	B
Immersion heater (kW)	1	1	3	3	1	1	3	3
Heat up time 50°C Δt (mins)	25	9	35	12	25	9	35	12
Standing heat loss (kWh/24h)	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.6
Operating pressure	0	0	0	0	0	0	0	0

* As per terms and conditions please visit www.heatraesadia.com/trade/product-warranty

For more technical information, please visit heatraesadia.com



Electric Vented Storage

Express

A robust steel-cased unit, suitable for oversink use in commercial or industrial situations such as canteens and workshops. Available in two capacities, with a choice of kW rating on the 7 litre model.



HEATRAE SADIA



**Installer friendly
installation**



Safety cut out



2 year warranty*

Technical information	Express 7/1	Express 7/3	Express 15
Product code	95010160	95010161	95010162
General			
Capacity (litres)	7	7	15
Height (A) (mm)	499	499	748
Width (B) (mm)	263	263	263
Depth (C) (mm)	250	250	250
Weight empty (kg)	3	3	4
Weight full (kg)	10	10	19
ErP rating	A	A	B
Immersion heater (kW)	1	3	3
Heat up time 50°C Δt (mins)	20	8	17
Rated pressure (bar)	0	0	0

* As per terms and conditions please visit www.heatraesadia.com/trade/product-warranty

For more technical information, please visit heatraesadia.com



Electric Vented Storage

R Plus

Designed to modernise the traditional cistern fed units without compromising space and ease of use, the R Plus* is designed for high demand domestic or commercial use.



HEATRAESADIA



Available in 25, 45, 70 and 120 litre variants

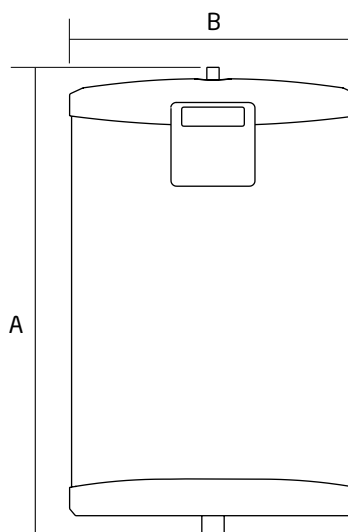
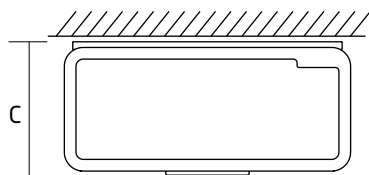


Fully ErP compliant



2 year warranty**

Technical information	R 25 Plus	R 45 Plus	R 70 Plus	R 120 Plus
Product code	94040010	94040011	94040012	94040013
General				
Capacity (litres)	25	45	70	120
Height (A) (mm)	830	882	1,221	1,021
Width (B) (mm)	510	609	609	660
Depth (C) (mm)	235	276	276	429
Weight empty (kg)	15	20	35	40
Weight full (kg)	40	65	105	160
ErP rating	B	C	C	C
Immersion heater (kW)	3	3	3	3
Heat up time (mins)	30	50	80	135
Standing heat loss (kWh/24h)	0.56	0.84	1.12	1.27



* Unit requires a minimum height above the highest outlet tap of 1,200mm from the bottom of the heater.

** As per terms and conditions please visit www.heatraesadia.com/trade/product-warranty

For more technical information, please visit heatraesadia.com



Multipoint 10/15

Multipoint is a leading range of small unvented water heaters. This 3kW range is quick and easy to install, and is supplied with a factory-fitted temperature and pressure relief valve designed to serve multiple outlets at the same time.


HEATRAE SADI A


**Distributes to
multiple outlets**

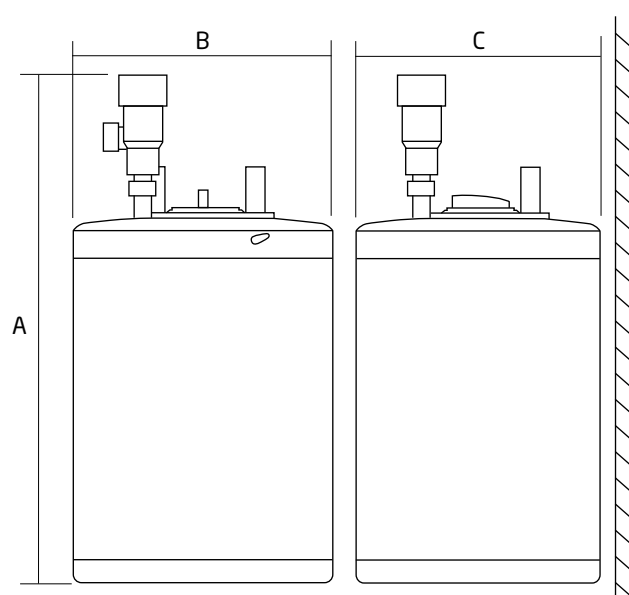


**Innovative
cistern-free
design**



**5 year inner
container
warranty****

Technical information	Multipoint 10	Multipoint 15
Product code	95050143	95050144
General		
Capacity (litres)	10	15
Height (A) (mm)	572	728
Width (B) (mm)	267	267
Depth (C) (mm)	252	252
Weight empty (kg)	6.9	8.8
Weight full (kg)	16.9	23.8
ErP rating	A	A
Immersion heater (kW)	3	3
Heat up time 50°C Δt (mins)	11	16
Standing heat loss (kWh/24h)	0.55	0.7
Rated pressure (bar)	6	6



** As per terms and conditions please visit www.heatraesadia.com/trade/product-warranty

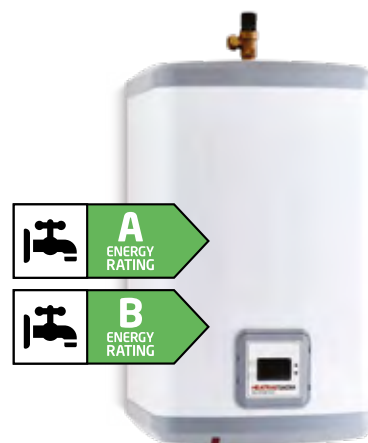
For more technical information, please visit heatraesadia.com



Electric Unvented Storage

Multipoint Eco 30/50/80/100

All Multipoint Eco 3kW water heaters are supplied complete with an unvented kit. Manufactured from high grade Duplex stainless steel. Available in both vertical and horizontal orientation depending on application.



HEATRAESADIA



Available from
30-100 litres

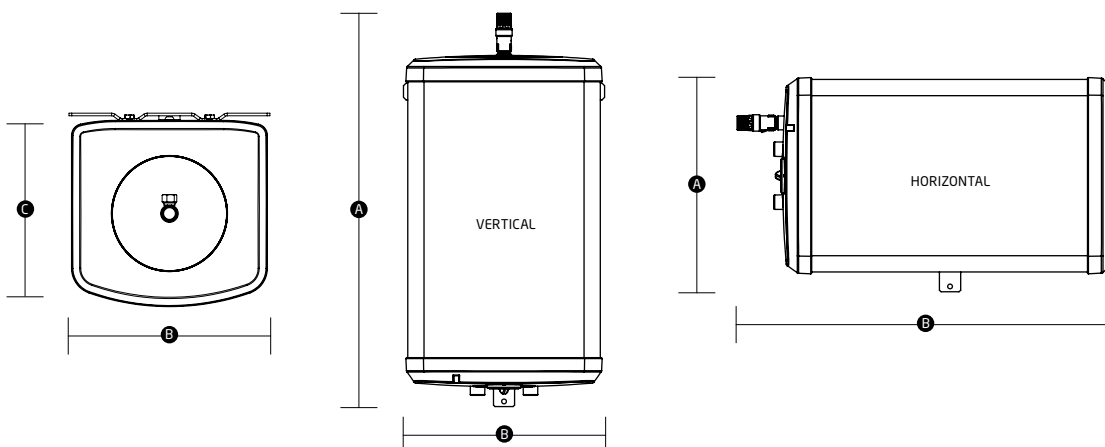


15 year inner
container warranty*



2 year warranty*

Technical information	Multipoint Eco 30H	Multipoint Eco 30V	Multipoint Eco 50H	Multipoint Eco 50V	Multipoint Eco 80H	Multipoint Eco 80V	Multipoint Eco 100H	Multipoint Eco 100V
Product code	7693971	7693979	7693980	7693981	7693982	7693983	7694024	7694025
Performance								
Capacity (litres)	30	30	50	50	80	80	100	100
Height (A) (mm)	371	722	371	1,007	454	1,066	454	1,234
Width (B) (mm)	712	371	997	371	1,038	454	1,207	454
Depth (C) (mm)	357	357	357	357	456	456	456	456
Weight empty (kg)	14	14	21	21	26	26	30	30
Weight full (kg)	44	44	71	71	106	106	130	130
ErP rating	A	A	B	B	B	B	B	B
Immersion heater (kW)	3	3	3	3	3	3	3	3
Heat up time 50°C Δt (mins)	29	37	51	65	74	115	140	162
Standing heat loss (kWh/24h)	0.68	0.48	0.9	0.69	1.13	0.82	1.17	0.93
Max operating pressure (bar)	10	10	10	10	10	10	10	10



* 2 years' warranty as standard, with 15 years on the inner stainless steel tank. This includes components within the tank which are not designed to be removed. Visit heatraesadia.com for full terms and conditions of warranties.

For more technical information, please visit heatraesadia.com



Multipoint Instantaneous

Multipoint Instantaneous is a compact instantaneous water heater. It can supply a shower outlet and/or spray tap, provided only one outlet is used at a time. Perfect for supplying hot water to a remote area, such as a garage or cloakroom.


HEATRAESADIA


**Perfect for
garages,
cloakrooms and
remote areas**

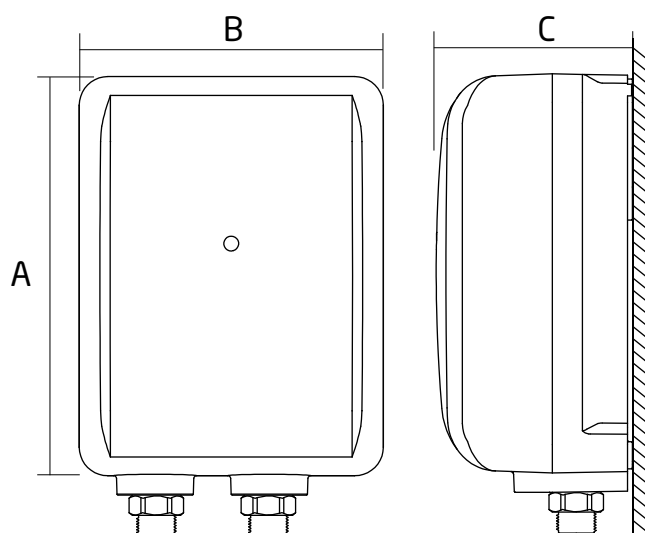


**High temperature
cut-out for
safety**



**2 year
warranty***

Technical information	Multipoint Instantaneous 7kW	Multipoint Instantaneous 9kW
Product code	95050424	95050425
General		
Output (kW)	7	9
Height (A) (mm)	210	210
Width (B) (mm)	160	160
Depth (C) (mm)	104	104
Weight (kg)	6.9	8.8
ErP rating	A	A
Flow rate @ 40Δt (l/min)	2.5	3.2



* As per terms and conditions please visit www.heatraesadia.com/trade/product-warranty



Electric Unvented Storage

Hotflo 10/15

Hotflo can service up to three basins and has a copper inner container, requiring no anode, to achieve optimum durability. A temperature and pressure relief valve or thermostatic blending valves (if required), can be ordered separately.



HEATRAESADIA



Corrosion-resistant components

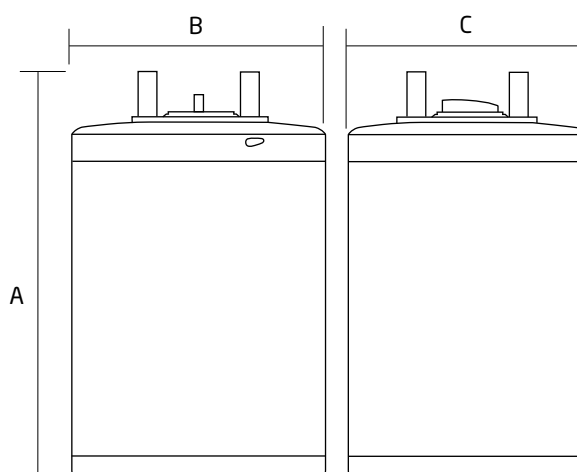


Externally adjustable thermostat



2 year warranty*

Technical information	Hotflo 10	Hotflo 15
Product code	95050148	95050149
General		
Capacity (litres)	10	15
Height (A) (mm)	500	656
Width (B) (mm)	267	267
Depth (C) (mm)	252	252
Weight empty (kg)	6.5	8.4
Weight full (kg)	16.5	23.4
ErP rating	B	B
Immersion heater (kW)	2.2	2.2
Heat up time 50°C Δt (mins)	17	26
Standing heat loss (kWh/24h)	0.54	0.63
Rated pressure (bar)	6	6



* As per terms and conditions please visit www.heatraesadia.com/trade/product-warranty

Refer to page 36 for unvented kit and accessories.

For more technical information, please visit heatraesadia.com



Electric Unvented Storage

Hotflo 50/80/100

Hotflo 50, 80 and 100 litre water heaters are supplied complete with all unvented kit. Manufactured from high grade Duplex stainless steel. Available in both vertical and horizontal orientation depending on application.



HEATRAESADIA



Horizontal and vertical options

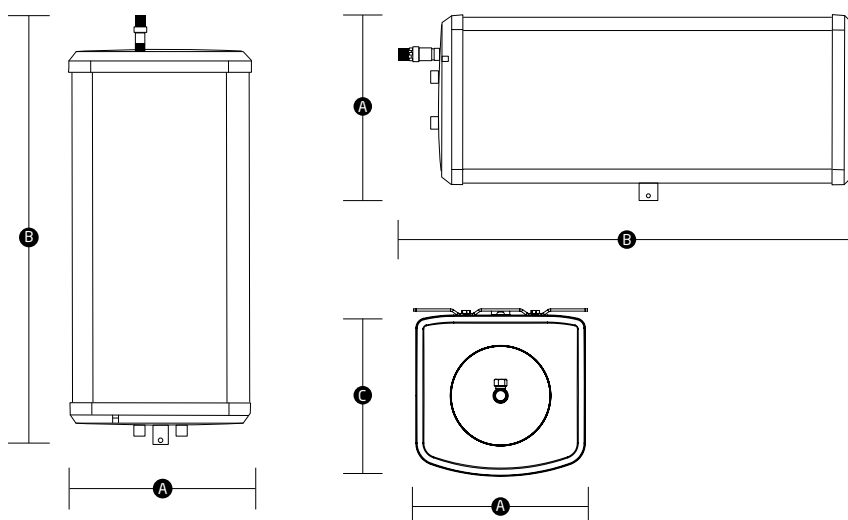


High-grade duplex stainless steel



2 year warranty*

Technical information	Hotflo 50H	Hotflo 80H	Hotflo 100H	Hotflo 50V	Hotflo 80V	Hotflo 100V
Product code	7037030	7037032	7037034	7700739	7700780	7700781
General						
Capacity (litres)	50	80	100	50	80	100
Height (A) (mm)	371	454	454	1,007	1,066	1,234
Width (B) (mm)	997	1,038	1,207	371	454	454
Depth (C) (mm)	350	454	454	350	454	454
Weight empty (kg)	21.2	26.2	30.2	21.2	26.2	30.2
Weight full (kg)	71.2	106.2	130.2	71.2	106.2	130.2
ErP rating	C	C	C	C	C	C
Immersion heater (kW)	3	3	3	3	3	3
Heat up time 50°C Δt (mins)	65	115	125	65	115	125
Standing heat loss (kWh/24h)	0.9	1.13	1.17	0.69	0.82	0.93
Max operating pressure (bar)	10	10	10	10	10	10



* As per terms and conditions please visit www.heatraesadia.com/trade/product-warranty

For more technical information, please visit heatraesadia.com



Supreme

Our Supreme range of premium quality wall mounted boiling water units, available in a choice of three capacities delivering between 150 and 180 cups of hot water are a practical and scalable solution to provide a mains-fed supply at the point-of-use.

HEATRAESADIA



**Biomaster
protected**

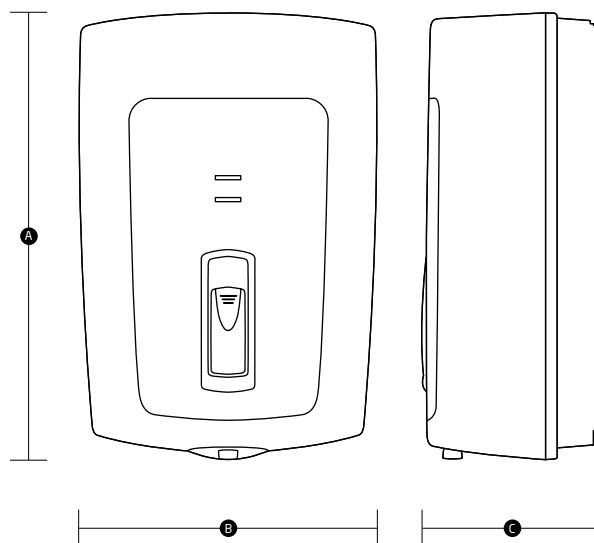


**Made in
the UK**



**2 year parts
and labour
warranty***

Technical information	Supreme 150	Supreme 165	Supreme 180
Product code	95200252	95200253	95200254
General			
Capacity (litres)	2.5	5	7.5
Height (A) (mm)	445	510	510
Width (B) (mm)	290	335	335
Depth (C) (mm)	190	200	262
Weight empty (kg)	5.6	6.9	7.9
Weight full (kg)	8.4	11.8	15.4
Immersion heater (kW)	2.5	2.5	2.5
Heat up time (mins)	16	24	32
One hour recovery (cups)**	150	165	180
Minimum supply pressure (bar)	0.5	0.5	0.5
Maximum supply pressure (bar)	10	10	10





Technical information	Supreme 150SS	Supreme 165SS	Supreme 180SS
Product code	95200240	95200241	95200242
General			
Capacity (litres)	2.5	5	7.5
Height (A) (mm)	423	501	506
Width (B) (mm)	337	337	337
Depth (C) (mm)	203	203	262
Weight empty (kg)	6.4	7.3	8.3
Weight full (kg)	12	16	21
Immersion heater (kW)	2.5	2.5	2.5
Heat up time (mins)	16	24	32
One hour recovery (cups)**	150	165	180
Minimum supply pressure (bar)	0.5	0.5	0.5
Maximum supply pressure (bar)	10	10	10

* As per terms and conditions please visit www.heatraesadia.com/trade/product-warranty

** 167ml cups.

For more technical information, please visit heatraesadia.com



Multipoint and Hotflo accessories

When installing small unvented water heaters, it is essential that the correct accessory packs are used. If the expansion in the cold main is restricted – e.g. by a stop valve, check valve or water meter – an accessory pack which includes an expansion vessel must be fitted. A knowledge of the maximum incoming water pressure is an essential requirement prior to installation – speak to your local Water Authority for more details.

HEATRAE SEDIA



Pack U1 - Combined Pressure Reducing Valve and Strainer

- Pressure reducing valve limits pressure to 3.5 bar (50 psi)
- Strainer filters coarse impurities from the water supply
- Connection 1/2" BSP female

Item	Product code
Pack U1	95:970:352

Pack U1 must be used with Pack U2 for Multipoint and Pack U5 for Hotflo.



Pack U3 - TMV2

- Connection 15mm compression
- Allows water to be safely stored above 60°C
- Precisely controls outlet water temperature (range from 35°C to 60°C)
- Lockable control knob and Fail-safe shutdown
- Incorporates check valves to prevent cross-contamination
- Operating pressure from 0.2 to 6 bar

Item	Product code
Pack U3	95:970:354



Pack U7 - TMV3

- Connection 15mm compression
- Approved under the TMV3 scheme to the D08 specification
- Allows water to be safely stored above 60°C
- Precisely controls outlet water temperature (range from 38°C to 46°C)
- Fail-safe shutdown and a unique adjuster key to prevent unauthorised temperature adjustment
- Incorporates check valves to prevent cross-contamination
- Operating pressure from 0.2 to 5 bar

Item	Product code
Pack U7	95:970:360

Thermostatic blending valves

These allow water to be stored at high temperatures and blended with cold water to a pre-set outlet temperature. This provides over-temperature protection, and is perfect for the control of Legionellae and the extension of system capacities.

Hotflo 10 & 15 accessories only:



Pack U5 - Expansion Vessel and Check Valve

- The expansion vessel when fully charged, will absorb all expanded water produced during normal operation
- Connection ½" BSP male; pre-charged 4.1 bar
- The check valve prevents backflow of hot water and eliminates any possibility of cross-contamination between cold and hot water
- Connections 15mm compression

Item	Product code
Pack U5	95:970:356



Pack U6 - Temperature and Pressure Release Valve

- The temperature and pressure relief valve is recommended to give an additional level of safety to Hotflo. It is pre-set to open at 7 bar (101.5 psi) and 90°C. Pack U6 is the only temperature and pressure relief valve recommended for use with Hotflo unvented heaters
- Connections Inlet and outlet 15mm compression drain ½" BSP female

Item	Product code
Pack U6	95:970:359

Multipoint 10 and 15 accessories only:



Pack U2 - Expansion Vessel and Check Valve

- The expansion vessel when fully charged, will absorb all expanded water produced during normal operation
- Connection ½" BSP male; pre-charged 4.1 bar
- The check valve prevents backflow of hot water eliminating any cross-contamination between cold and hot water
- Connection 15mm compression
- The expansion valve opens at 6 bar (87 psi). It acts as a back-up to the expansion vessel
- Connection Inlet ½" BSP male, drain ½" BSP female

Item	Product code
Pack U2	95:970:351



Immersion heaters and thermostats

Our high-quality immersion heaters and thermostats have been designed with a resettable safety cut-out, providing further protection against boiling to steam, and cover requirements for both horizontal and vertical mounting.

HEATRAE SEDIA



Titanium

Our Titanium immersion heater sets a standard for operational life - even in the hardest or most aggressive water conditions.



Superloy

Range of immersion heaters for use in aggressive water areas.



Maxistore

A high-performance Superloy 825 sheathed 14" immersion heater recommended for use in conjunction with off-peak tariffs.



Gold Dot

A range of 3kW rod-type immersion heaters suitable as the sole heat source or for use in association with an indirect heating coil.



RDT resettable thermostats

All our domestic immersion heaters are fitted as standard with an RDT combined thermostat and resettable safety cut-out. The range of RDT thermostats provide a simple method of upgrading immersion heaters to the standard BS EN 60335-2-73 without the need for draining down the hot water cylinder.



Titanium

	Rating kW	Product code
Titanium 11"	3kW	95:110:400R
Titanium 14"	3kW	95:110:403R
Titanium 27"	3kW	95:110:401R

Superloy

	Rating kW	Product code
Superloy 800 11"	3kW	95:110:901R
Superloy 800 27"	3kW	95:110:905R
Superloy 800 36"	3kW	95:110:907R

Maxistore

	Rating kW	Product code
Maxistore 14"	3kW	95:110:721R

Gold Dot

	Rating kW	Product code
Gold Dot 11"	3kW	95:110:302R
Gold Dot 14"	3kW	95:110:303R
Gold Dot 27"	3kW	95:110:306R
Gold Dot 30"	3kW	95:110:307R
Gold Dot 36"	3kW	95:110:308R

RDT resettable thermostats

	Rating kW	Product code
RDT 7"	16A	95:980:034
RDT 11" (Horizontal)	16A	95:980:035
RDT 11" (Vertical)	16A	95:980:043
RDT 18"	16A	95:980:036

For more technical information, please visit heatraesadia.com



Vented tap packages

We offer a wide range of accessories for use with our point-of-use water heaters. Only our vented (open-outlet) taps, mixers and spouts must be used with this type of heater.

HEATRAESADIA



Pack J†

Two-hole mixer tap.
Chrome plated.



Pack K†

Monobloc mixer tap.



Oversink - Pack D

Telescopic spout (380-610mm).



Pack S/T†

Basin hot and cold taps.



Pack R†

A standard monobloc mixer tap.



Pack

	Product code
Pack D [†]	95:970:513
Pack J [†]	95:970:514
Pack K [†]	95:970:515
Pack R [†]	95:970:516
Pack S/T [†]	95:970:317

Express (For 7 and 15 litre models only)

	Product code
Telescopic spout (380-610mm)	95:970:103
15 x 15 push-fit connector for undersink fitting	95:970:110

[†] Product appearance may vary slightly from that shown. Performance and function will remain the same.



Gas-fired water heaters

Available as instantaneous or storage, our water heaters guarantee a reliable supply of hot water and will stand up to even the most demanding of requirements.

We're focused on innovation, and continually evolve our products to ensure optimum performance, high recovery rates and low running costs, not to mention energy efficiency and legislative compliance.

It's not just our products that make us top of the league. As active members of CIBSE, SoPHE and ICOM, our experts are at the forefront of setting industry standards, and offer unrivalled technical support for our customers every step of the way – from design and commissioning to installation and maintenance.

ANDREWS WATER HEATERS

MAXXflo EVO Lite	43
------------------	----

MAXXflo EVO	44
-------------	----

ECOflo	46
--------	----

SUPAflo EVO 2	48
---------------	----

Buffer vessels	49
----------------	----

COMBiflo	50
----------	----

ECOflo COMPACT	51
----------------	----

Non-condensing water heaters	52
------------------------------	----

Water heater service kits	53
---------------------------	----

Condensing Commercial Water Heater

MAXXflo EVO Lite

A high-specification water heater that's perfect for small-medium commercial projects like hotels, with options to upgrade features.

ANDREWS
WATER HEATERS
BY **BAXI**



**Indirect-fired
water heater**



**Stainless steel
heat exchanger**



**2 year parts and
labour warranty***

Technical information

	MAXXflo EVO Lite SC15/201	MAXXflo EVO Lite SC25/201	MAXXflo EVO Lite SC35/201	MAXXflo EVO Lite 45/201
Product code	7800598	7800599	7802491	7800600
Heat output (gross) (kW)	15	25	35	45
Water heater efficiency (%)	98	98	98	98
Recovery rate through 50°C Δt (litre/hour)	232	386	541	695
Standby heat loss (kWh/24h)	1.68	1.68	1.68	1.68
Gas flow rate (natural gas) (m³/hr)	1.43	2.4	3.34	4.25
Gas flow rate (LPG) (kg/hr)	0.57	0.94	1.32	1.69
Operating pressure (unvented) (bar)	3.5	3.5	3.5	3.5
Minimum operating pressure (bar)	1.2	1.2	1.2	1.2
Maximum operating pressure (bar)	6	6	6	6
Storage capacity (litre)	200	200	200	200
Dimensions - H x W x D (mm)	1,453 x 670 x 928	1,453 x 670 x 928	1,453 x 670 x 928	1,453 x 670 x 928
Weight - full (kg)	321	324	324	324
Weight - empty (kg)	117.5	120.3	120.3	120.3
Flue diameter - concentric flue (mm)	80/125	80/125	80/125	80/125
Flue diameter - conventional flue (mm)	80	80	80	80
Electrical power consumption (max) (W)	66	84	100	125
Electrical requirements (V)	230V @ 50Hz	230V @ 50Hz	230V @ 50Hz	230V @ 50Hz

Accessories

Product code

Unvented system kit inc. flow through valve	7799195
Set of 4 castors	7709385
Anti vacuum valve kit	7799189
Horizontal flue kit	7726957
Vertical flue kit	5103917

* Warranty subject to our commissioning.

For more technical information, please visit andrewswaterheaters.co.uk



Condensing Commercial Water Heater

MAXXflo EVO

Delivers superior flow outputs and low NO_x for a class-leading performance, and is future-proofed with Siemens smart controls for advanced BMS connectivity.

ANDREWS
WATER HEATERS
BY **BAXI**



Technical information	MAXXflo EVO CWH EVO 30/201	MAXXflo EVO CWH EVO 30/301	MAXXflo EVO CWH EVO 60/201	MAXXflo EVO CWH EVO 60/301	MAXXflo EVO CWH EVO 90/302	MAXXflo EVO CWH EVO 120/302	MAXXflo EVO CWH EVO 150/302
Product code	7726948	7726950	7726949	7726951	7726952	7726953	7800597
Performance							
Heat output (gross) (kW)	30.5	30.5	61	61	91.6	122	147
Water heater efficiency (%)	98	98	98	98	98	98	98
Recovery rate through 50°C Δt (litre/hour)	480	480	960	960	1,440	1,920	2,572
Standby heat loss (kWh/24h)	1.68	2.26	1.68	2.26	2.26	2.26	2.26
Gas							
Gas flow rate (natural gas) (m ³ /hr)	2.95	2.95	5.95	5.95	9.7	11.6	13.7
Gas flow rate (LPG) (m ³ /hr)	1.15	1.15	2.35	2.35	3.5	4.7	5.5
Hydraulics							
Operating pressure (unvented) (bar)	6	6	6	6	6	6	6
Minimum operating pressure (bar)	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Maximum operating pressure (bar)	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Storage capacity (litre)	200	300	200	300	300	300	300



**Indirect-fired
water heater**



**Stainless steel
heat exchanger**



**2 year parts and
labour warranty***

General	MAXXflo EVO CWH EVO 30/201	MAXXflo EVO CWH EVO 30/301	MAXXflo EVO CWH EVO 60/201	MAXXflo EVO CWH EVO 60/301	MAXXflo EVO CWH EVO 90/302	MAXXflo EVO CWH EVO 120/302	MAXXflo EVO CWH EVO 150/302
Dimensions - H x W x D (mm)	1,556 x 602 x 1,046	1,980 x 602 x 1,046	1,556 x 602 x 1,046	1,980 x 602 x 1,046	1,980 x 602 x 1,046	1,980 x 602 x 1,046	1,983 x 602 x 1,154
Weight - full (kg)	370	485	380	490	485	505	539
Weight - empty (kg)	155	165	170	180	185	205	226
Flue diameter - concentric flue (mm)	80/125	80/125	80/125	80/125	130/200	130/200	130/200
Flue diameter - conventional flue (mm)	80	80	80	80	130	130	130
Electrical							
Electrical power consumption (max) (W)	100	100	145	145	210	290	359
Electrical requirements (V)	220 - 240V @ 50Hz	220 - 240V @ 50Hz	220 - 240V @ 50Hz	220 - 240V @ 50Hz	220 - 240V @ 50Hz	220 - 240V @ 50Hz	220 - 240V @ 50Hz

Accessories	Product code
Unvented system kit inc. flow through valve	7726954
Set of 4 castors	7709385
Horizontal flue kit CWH Evo 30,60	7726957
Horizontal flue kit CWH Evo 90, 120, 150	7620230
Vertical flue kit CWH Evo 30/60	5103917
Vertical flue kit CWH Evo 90, 120, 150	7620229

* Warranty subject to our commissioning.

For more technical information, please visit andrewswaterheaters.co.uk



Condensing Commercial Water Heater

ECOflo

Fully condensing direct-fired efficient water heater suitable for large commercial properties where there's a high demand for hot water.

ANDREWS
WATER HEATERS
BY **BAXI**



**Direct-fired
water heater**



**Vitraglas® lined storage tank
and maintenance-free, factory
fitted Correx® anodes**



**2 year parts and
labour warranty***

Technical information	ECOflo EC 230/600	ECOflo EC 230/700	ECOflo EC 230/960
Product code	A441	A442	A443
Performance			
Heat output (gross) (kW)	35.1	41.3	54.2
Water heater efficiency (%)	96	94	93
Recovery rate through 50°C Δt (litre/hour)	600	700	960
Standby heat loss (kWh/24h)	626	626	626
Gas			
Gas flow rate (natural gas) (m³/hr)	3.41	4.09	5.43
Hydraulics			
Operating pressure (unvented) (bar)	3.5	3.5	3.5
Minimum operating pressure (bar)	0.8	0.8	0.8
Maximum operating pressure (bar)	10	10	10
Storage capacity (litre)	230	230	230
General			
Height (mm)	1,448	1,448	1,488
Diameter (mm)	718	718	718
Weight - full (kg)	450	450	450
Weight - empty (kg)	259	259	259
Flue diameter - concentric flue (mm)	100/150	100/150	100/150
Electrical			
Electrical power consumption (max) (W)	120	120	120
Electrical requirements (V)	220 - 240V @ 55Hz	220 - 240V @ 55Hz	220 - 240V @ 55Hz

Accessories	Product code	Accessories	Product code
Plinth (150mm, required for all ECOflo models**)	E923	ECOFLO EC96/380 LPG conversion kit	7763225
Unvented system kit	7703930	Horizontal flue kit (230 models)	B342
LPG conversion kit for EC230/600	7697588	Vertical flue kit (230 models)	B344
LPG conversion kit for EC230/700	7697589	Horizontal flue kit (380 models)	B343
LPG conversion kit for EC230/960	7697590	Vertical flue kit (380 models)	B345
LPG conversion kit for EC380/740	7697591		
LPG conversion kit for EC380/980	7697592		
LPG conversion kit for EC380/1220	7697593		
LPG conversion kit for EC380/1400	7697594		

ECOflo EC 380/740	ECOflo EC 380/980	ECOflo EC 380/1220	ECOflo EC 380/1400	ECOFLO EC96/380
A444	A445	A446	A447	7763224
43	57.1	71	79.1	96.4
98	98	97	93	94
740	980	1,220	1,400	1,660
626	793	793	793	793
4.09	5.43	6.82	7.92	5.43
3.5	3.5	3.5	3.5	3.5
0.8	0.8	0.8	0.8	0.8
10	10	10	10	10
380	380	380	380	380
1,972	1,972	1,972	1,972	1,972
718	718	718	718	718
760	760	760	760	760
408	408	408	408	408
100/150	100/150	100/150	100/150	100/150
120	120	120	120	120
220 - 240V @ 55Hz	220 - 240V @ 55Hz	220 - 240V @ 55Hz	220 - 240V @ 55Hz	220 - 240V @ 55Hz

* Warranty subject to our commissioning.

** The ECOflo range must be sited 150mm above finished floor level in order to fit the condense trap. Andrews Water Heaters can supply a suitable fabricated plinth.

For more technical information, please visit andrewswaterheaters.co.uk



Condensing Commercial Water Heater

SUPAflo EVO 2

Produces a continuous supply of hot water and is designed for high-demand environments that need high volumes of instant hot water.

ANDREWS
WATER HEATERS
BY **BAXI**



WRAS approved



98% gross efficiency



2 year parts and labour warranty*

Technical information	SUPAflo Evo 2 SF61	SUPAflo Evo 2 SF62	SUPAflo Evo 2 SF63	SUPAflo Evo 2 SF64
Performance				
Heat output (gross) (kW)	142	190	238	286
Gross thermal efficiency (%)	98.2	98.2	98.2	98.2
Recovery rate through 50°C Δt (litre/hour)	2,434	3,257	4,080	4,903
ErP noise level (dBA)	70	70	70	70
NO _x emissions (0% O ₂)	38	38	36	36
Gas				
Gas flow rate (natural gas) (m ³ /hr)	13.3	17.8	22.2	26.7
Hydraulics				
Operating pressure (unvented) (bar)	3.5	3.5	3.5	3.5
Minimum operating pressure (bar)	1	1	1	1
Maximum operating pressure (bar)	8	8	8	8
General				
Dimensions - H x W x D (mm)	1,467 x 466 x 1,349	1,467 x 466 x 1,499	1,467 x 466 x 1,649	1,470 x 746 x 1,349
Weight - full (kg)	317	363	371	496
Weight - empty (kg)	290	332	336	434
Flue outlet diameter (mm)	150	150	200	200
Electrical				
Electrical power consumption (max/min) (W)	176/48	267/48	286/53	230/50

Product codes to be confirmed, please contact your local Technical Sales Manager for more information.

Accessories	Product code
Unvented system kit (SF61 to SF63)	B312
Unvented systems kit (SF64 to SF67)	B313

Technical information	SUPAflo Evo 2 SF65	SUPAflo Evo 2 SF66	SUPAflo Evo 2 SF67
Performance			
Heat output (gross) (kW)	381	477	540
Gross thermal efficiency (%)	98.3	98.3	98.2
Recovery rate through 50°C Δt (litre/hour)	6,531	8,177	9,257
ErP noise level (dBA)	77	77	77
NO _x emissions (0% O ₂)	36	34	34
Gas			
Gas flow rate (natural gas) (m ³ /hr)	35.6	44.5	50.5
Hydraulics			
Operating pressure (unvented) (bar)	3.5	3.5	3.5
Minimum operating pressure (bar)	1	1	1
Maximum operating pressure (bar)	8	8	8
General			
Dimensions - H x W x D (mm)	1,470 x 746 x 1,496	1,470 x 746 x 1,646	1,470 x 746 x 1,769
Weight - full (kg)	564	615	677
Weight - empty (kg)	496	540	595
Flue outlet diameter (mm)	250	250	250
Electrical			
Electrical power consumption (max/min) (W)	504/54	620/64	676/61

Buffer vessels

Technical information	SS300-10	SS500-10	SS800-10	SS1000-10
Product code	7798848	7798849	7798850	7798851
Performance				
Capacity (litres)	291	484	800	1,000
Standby heat loss (kWh/24h)	1.51	1.63	1.99	2.62
Maximum pressure (bar)	10	10	10	10
ErP efficiency	B	B	B	B
Cylinder material	316 stainless steel	316 stainless steel	316 stainless steel	316 stainless steel
General				
Height (mm)	1,685	1,690	1,840	2,250
Diameter (mm)	620	770	950	950
Weight - full (kg)	351	574	935	1,157
Weight - empty (kg)	60	90	135	157

* Warranty subject to our commissioning.

For more technical information, please visit andrewswaterheaters.co.uk



Condensing Commercial Water Heater

COMBiflo

Condensing stainless-steel water heaters with space-heating capability, producing both hot water and heating from a single heat generator and storage vessel enclosed in one cabinet.

ANDREWS
WATER HEATERS
BY **BAXI**



**Indirect-fired
water heater**



**Stainless
steel heat
exchanger**



**2 year parts
and labour
warranty***

Technical information

Product code

COMBiflo 150

7800598

Performance

Heat output (gross) (kW)

10 - 150

Efficiency heat output at full load (EN15502-1) (gross) (%)

88

Heating seasonal efficiency (%)

95.9

Recovery rate through 50°C Δt (litre/hour)

2,240

Gas

Gas flow rate (natural gas) (m³/hr)

14.8

Hydraulics

Operating pressure (unvented) (bar)

3.5

Minimum operating pressure (bar)

0.2

Maximum operating pressure (bar)

6

Storage capacity (litre)

300

General

Dimensions - H x W x D (mm)

1,570 x 686 x 1,992

Weight - full (kg)

641

Weight - empty (kg)

320

Flue diameter - concentric flue (mm)

130 / 200

Electrical

Electrical power consumption (max) (W)

425

Electrical requirements (V)

240V @ 50Hz

Accessories

Unvented system kit

B328

Horizontal flue kit

B262

Vertical flue kit

B263

* Warranty subject to our commissioning.

For more technical information, please visit andrewswaterheaters.co.uk



Condensing Commercial Water Heater

ECOflo COMPACT

High-efficiency condensing floor-standing storage water heater designed to meet the toughest installation challenges and hot water demands.

ANDREWS
WATER HEATERS
BY **BAXI**



Technical information	ECOflo COMPACT EC 20/190	Accessories	Product code
Product code	7681595	Horizontal flue kit	7697176
Performance		Vertical flue kit	7697174
Heat output (gross) (kW)	19	Unvented system kit**	7703928
Water heater efficiency (%)	91	Correx powered anode kit	7705307
Recovery rate through 50°C Δt (litre/hour)	350	Remote enable kit	7697190
Gas		LPG conversion kit	7722656
Gas flow rate (natural gas) (m³/hr)	1.5		
Hydraulics			
Operating pressure (unvented) (bar)	3.5		
Minimum operating pressure (bar)	1		
Maximum operating pressure (bar)	10.3		
Storage capacity (litre)	189		
General			
Height (mm)	1,429		
Height to vent connection (mm)	1,710		
Diameter (mm)	610		
Weight - full (kg)	305		
Weight - empty (kg)	124		
Electrical			
Electrical power consumption (max) (W)	300		
Electrical requirements (V)	230V @ 50Hz		



Direct-fired water heater



**Vitraglas® lined storage tank
and maintenance-free, factory
fitted Correx® anodes**



2 year parts and labour warranty*

* Warranty subject to our commissioning.

** Unvented system kit includes: Combined pressure reducing valve 3.5bar, check valve, pressure relief valve 6bar, 24 ltr expansion vessel c/w wall bracket, temperature / pressure relief valve 7bar/95°C, tundish T/P brass adaptor, hose assembly.

For more technical information, please visit andrewswaterheaters.co.uk



Non-condensing water heaters

Available in instantaneous and storage models, these units offer a regular, reliable supply of economical hot water for various applications. Non-condensing water heaters can only be installed in exceptional circumstances, when signed off by local building control.

ANDREWS
WATER HEATERS
BY **BAXI**



CLASSICflo BALANCED

Output	9 kW
Recovery rate at 50 ΔT	152 litres
Max. working temp	80°C



CLASSICflo

Output	10-20 kW
Recovery rate at 50 ΔT	169-341 litres
Max. working temp	80°C



Hiflo EVO

Output	30-65 kW
Recovery rate at 50 ΔT	520-1,111 litres
Max. working temp	80°C



CLASSICflo FAN FLUED

Output	18 kW
Recovery rate at 50 ΔT	225-306 litres
Max. working temp	80°C

For more technical information, please visit andrewswaterheaters.co.uk



Water heater service kits

Our comprehensive service kits contain all the genuine parts needed to carry out the best possible service and maintenance of our products in one visit.

ANDREWS
WATER HEATERS
BY **BAXI**

Core range service kits

Item	Product code
CLASSICflo FAN FLUED RFF13/175, RFF18/270 & CLASSICflo BALANCED RSC9/145, RSC9/180 AWH Service Kit	7723472
CLASSICflo 10/105, 10/145, 14/175, 15/270, 30/360 AWH Service Kit	7723473
ECOflo E series (not 1,900) AWH Service Kit c/w Titanium Anode	7723541
ECOflo EC96/380 Service Kit c/w Titanium Anode	7774537
ECOflo EC96/380 Service Kit without anode	7774538
HIflo EVO AWH Service Kit	7723479
MAXXflo EVO Service Kit for 30/60	7709389
MAXXflo EVO Service Kit for 90/120	7709390

Discontinued products service kits

Item	Product code
24/39 STD AWH Service Kit	7723465
32/40 STD AWH Service Kit	7723466
RFF 190 B AWH Service Kit	7723471
RFF 280 B AWH Service Kit	7723472
RSC 150 AWH Service Kit	7723475
RSC 190 AWH Service Kit	7723476
HIflo PP and Cal Auto Ign 33/136 AWH Service Kit	7723477
HIflo HW Auto Ign 32/143, 54/418, 54/440, 62/341, 65/173, 81/264	7723478
ECOflo E series 1,900 AWH Service Kit c/w Magnesium Anode	7723542
ECOflo E series 1,900 AWH Service Kit c/w Titanium Anode	7723543

For more technical information, please visit andrewswaterheaters.co.uk



Gas boilers

Collectively, we've been at the forefront of boiler innovation for more than 150 years, creating scalable and flexible heating solutions that are built to last.

Our revolutionary systems set the standard for reliability. They're all designed to maximise boiler efficiency and reduce both energy usage and NO_x emissions. With a wide range of either stainless steel or aluminium heat exchanger options available, we have a solution for every application.

We know that optimal performance is vital, but so is usability. That's why all our boilers are ingeniously streamlined, straightforward and simple to install, whether stand-alone or in cascade. We're also future-proofing them with the latest smart control technology that makes operation and maintenance even easier.

Cascade Systems and Pre-Assembled Rigs

Our flexible range of easy-to-install boiler cascade systems increase heating reliability and efficiency. Spreading the total required heat output over several boilers in cascade configuration offers many advantages, such as standby capability and a better turndown ratio.

We also offer boiler rig systems, making installation quicker and easier as the boilers are delivered on site in a pre-assembled wheeled unit. Quality control is also improved as the pre-configured unit is pre-tested and delivered as a whole system, rather than as individual components – reducing downtime and on-site labour.

REMEHA BY BAXI GAS BOILERS

Quinta Ace	56
------------	----

Quinta Ace S	67
--------------	----

Gas 120 Ace	80
-------------	----

Gas 210 Ace	82
-------------	----

Gas 220 Ace	86
-------------	----

Gas 320 Ace	93
-------------	----

Gas 620 Ace	95
-------------	----

POTTERTON COMMERCIAL GAS BOILERS

Sirius three FS	97
-----------------	----

REMEHA BY BAXI PRESSURE JETS

P Series P420	101
---------------	-----

P Series P520	101
---------------	-----

BOILER CONTROLS AND SERVICE KITS

Controls	105
----------	-----

Potterton Commercial service kits	105
-----------------------------------	-----

Remeha by Baxi service kits	106
-----------------------------	-----

Optional accessories	107
----------------------	-----



Why aluminium?

- Versatile and easy to cast into complex shapes
- Improves hydraulic flow in compact boilers
- Aluminium-silicone alloys have excellent heat transfer properties
- High resistance to water, chemical agents and thermal shock

Why stainless steel?

- High-alloyed steel with increased chromium content enhances corrosion resistance
- Low-carbon grades offer better weldability
- Structure and properties can be enhanced with the addition of other elements such as molybdenum

Quinta Ace

A compact, high-efficiency boiler with a one-piece cast aluminium heat exchanger, the Quinta Ace is suitable for sealed and open-vented systems, offering flexible installation options as a single-unit or in cascade.

remeha

BY **BAXI**



Low NO_x (sub 24 mg/kWh)*



NEW ABS 100% recycled cover



Up to 1,200kW outputs in cascade

Technical information	Quinta Ace 30	Quinta Ace 45	Quinta Ace 55	Quinta Ace 65	Quinta Ace 90	Quinta Ace 115	Quinta Ace 135	Quinta Ace 160
Product code	7844935	7844936	7844937	7844938	7844939	7844940	7883841	7883846
Performance								
Nominal heat output central heating operation @ 80/60°C (kW) (min/max)	8.0-29.8	8.0-40.8	12.0-55.3	12.0-61.5	14.1-84.2	18.9-103.9	31.5-128.1	31.5-152.1
Nominal heat output central heating operation @ 50/30°C (kW) (max)	9.1-30.9	9.1-42.4	13.5-58.6	13.5-65.0	15.8-89.5	21.2-109.7	34.7-136.1	34.7-161.6
SBEM seasonal efficiency GCV	97.5	97.6	96.0	97.5	95.6	95.4	96.1	95.9
Efficiency - full load 100% NCV	99.4	99.1	97.8	99.2	97.9	97.1	97.8	97.5
Efficiency - part load 30% NCV	110.4	110.6	108.7	110.4	108.1	108.0	108.8	108.5
Gas								
Gas consumption NG (m ³ /hr)**	0.8-3.1	0.8-4.3	1.3-5.9	1.3-6.5	1.5-9.0	2.0-11.1	3.4-13.9	3.4-16.5
Gas consumption LPG (m ³ /hr)**	0.3-1.2	0.3-1.6	0.5-2.2	0.5-2.4	0.6-3.4	0.8-4.2	1.4-5.3	1.4-6.3
Hydraulics								
Nominal flow rate 20°C Δt (l/s)	0.36	0.49	0.66	0.74	1.01	1.24	1.53	1.82
Hydraulic resistance @20°C Δt (mbar)	70	114	130	163	153	250	126	170
Water content (litres)	4.3	4.3	6.4	6.4	9.4	9.4	17	17
Standard operating temperature (°C)	20-90	20-90	20-90	20-90	20-90	20-90	20-90	20-90
Min/max water operating pressure (bar)	0.8-4	0.8-4	0.8-4	0.8-4	0.8-4	0.8-4	0.8-4	0.8-4

* Needs to be configured when commissioning the boiler.

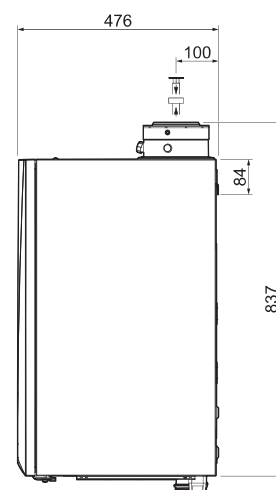
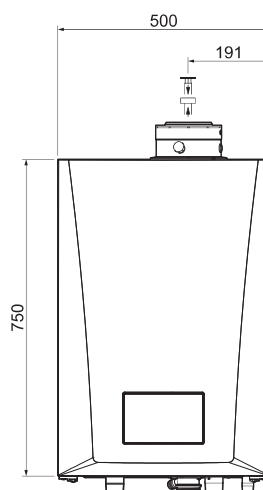
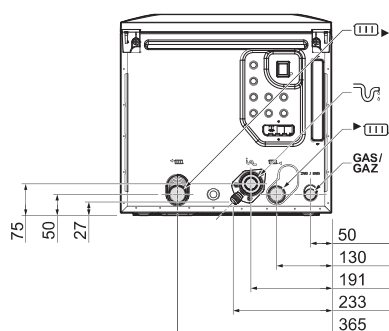
** Gas consumption based on lower heating value under standard heating conditions:
T = 288.15K, p = 1013.25mbar. Gag 30.33, G25 29.25, G31 88.00 MJ/m³.

Please refer to the data sheets available on remeha.co.uk for further details.



General	Quinta Ace 30	Quinta Ace 45	Quinta Ace 55	Quinta Ace 65	Quinta Ace 90	Quinta Ace 115	Quinta Ace 135	Quinta Ace 160
Dimensions (W x H x D) (mm)	500 x 750 x 476	500 x 750 x 476	500 x 750 x 476	500 x 750 x 476	500 x 750 x 476	500 x 750 x 476	600 x 1,045 x 600	600 x 1,045 x 600
Total weight (incl packaging) (kg)	61	61	67	67	76	77	147	147
BREEAM credits**	2	2	2	2	2	2	2	2
NO _x annual emissions BREEAM EN15502 - NG mg/kWh (dry, 0% O ₂) Class 6	24	24	23	23	23	23	24	22
Noise levels dB(A) @ 1m	38.3	45.1	46.7	46.7	51.6	51.1	59.5	59.5
Electrical								
Nominal power supply	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz
Power consumption (W)	18-36	18-71	22-69	23-83	23-111	19-169	47-199	47-275

Quinta Ace 30-115



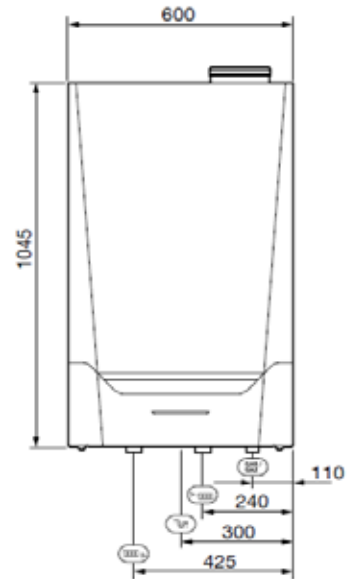
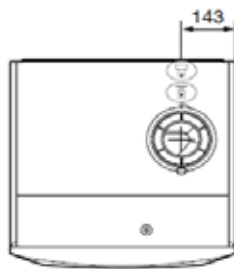
Key	Description	30, 45	55, 65, 90, 115
	Flue gas outlet connection	Ø 80 mm	Ø 100 mm
	Air inlet connection	Ø 125 mm	Ø 150 mm
	Condensate connection	22.5 mm	22.5 mm
	Flow connection	1 ¼" male thread	1 ¼" male thread
	Return connection	1 ¼" male thread	1 ¼" male thread
	Gas connection	¾" male thread	¾" male thread

** Two BREEAM credits when the boiler is configured at commissioning, as per commissioning instructions.

Full range of accessories available - including cascade kits, low loss headers and plate heat exchangers, flues and fluecades, system controls and pressurisation kits. Find out more at baxi.co.uk



Quinta Ace 135-160



Key	Description	135, 160
	Flue gas outlet connection	Ø 100mm
	Air supply connection	Ø 150mm
	Siphon connection	32mm
	Flow connection	1¼" male thread (32mm)
	Return connection	1¼" male thread (32mm)
	Gas connection	1" male thread (28mm)

Pumps	Product code	Quinta Ace 30	Quinta Ace 45	Quinta Ace 55	Quinta Ace 65	Quinta Ace 90	Quinta Ace 115	Quinta Ace 135	Quinta Ace 160
UPM25/70 [130mm] Modulation pump for Quinta Ace 30 [c/w power + modulation cable]	S101614	●	●	●	●				
UPML25/105 [130mm] Modulation pump for Quinta Ace 90 [c/w power + modulation cable]	7608398					●	●		
UPMXL25-105 Auto [180mm] Modulation pump for Quinta Ace 135 [c/w power + modulation cable]	7637223							●	●

Quinta Ace cascade systems can be divided into three main groups:

- Two to seven boilers in a linear configuration, wall-mounted (30 – 115kW only)*
- Two to eight boilers in a linear configuration, mounted on a free-standing frame (30 – 115kW up to seven boilers, 135 – 160kW up to 8 boilers)
- Three to ten boilers in a back-to-back configuration, mounted on a free-standing frame

The boiler side of the cascade systems is sized to 20°C. The low loss header is based on 20/11°C.

* Please note that the QA135 and QA160 are not suitable for wall hung cascade kits.

Quinta Ace installation drawings

For wall-mounted cascade systems.

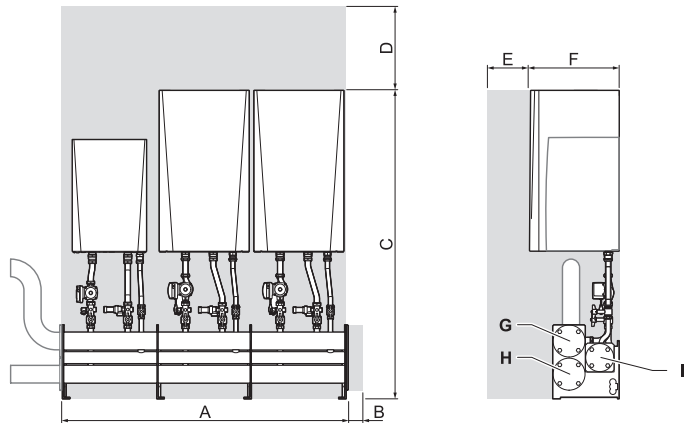
remeha

BY BAXI

Wall-mounted configuration for Quinta Ace 30, 45, 55, 65, 90, 115, 135 and 160kW

The cascade systems can be divided into three main groups:

- Two to eight boilers in a linear configuration, wall-mounted
- Two to eight boilers in a linear configuration, mounted on a free-standing frame
- Three to ten boilers in a back-to-back configuration, mounted on a free-standing frame
- The boiler side of the cascade systems is sized to 20°C. The low loss header is based on 20/11°C.



Dimensions in mm with DN65 collector pipes	2 boilers	3 boilers	4 boilers	5 boilers	6 boilers	7 boilers	8 boilers
A Total width	1,060	1,590	2,120	2,650	3,180	3,710	4,240
B Free space required for mounting the blanking flanges ⁽¹⁾	50	50	50	50	50	50	50
C Total height	1,576	1,576	1,576	1,576	1,576	1,576	1,576
D Free space above the boilers (recommended)	500	500	500	500	500	500	500
E Free space in front of the boilers (recommended)	1,000	1,000	1,000	1,000	1,000	1,000	1,000
F Total depth	520	520	520	520	520	520	520
G Flow connection	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6
H Return connection	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6
I Gas connection	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16

Dimensions in mm with DN100 collector pipes	2 boilers	3 boilers	4 boilers	5 boilers	6 boilers	7 boilers	8 boilers
A Total width	1,260	1,890	2,520	3,150	3,780	4,410	5,040
B Free space required for mounting the blanking flanges ⁽¹⁾	55	55	55	55	55	55	55
C Total height	2,004	2,004	2,004	2,004	2,004	2,004	2,004
D Free space above the boilers (recommended)	500	500	500	500	500	500	500
E Free space in front of the boilers (recommended)	1,000	1,000	1,000	1,000	1,000	1,000	1,000
F Total depth	602	602	602	602	602	602	602
G Flow connection	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6
H Return connection	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6
I Gas connection	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16

⁽¹⁾ When fitting a blanking flange with an expansion vessel connection, make sure there is enough space for fitting the vessel.

Please refer to the data sheets available on remeha.co.uk for further details.



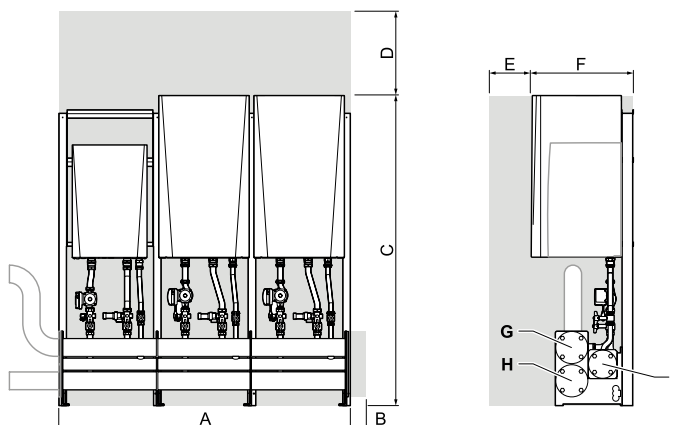
Quinta Ace linear configuration

Mounted on a free-standing frame-two to eight boilers.

remeha

BY BAXI

**Free-standing frame configuration
for Quinta Ace 30, 45, 55, 65, 90,
115, 135 and 160kW**



Dimensions in mm with DN65 collector pipes

	2 boilers	3 boilers	4 boilers	5 boilers	6 boilers	7 boilers	8 boilers
A Total width	1,110	1,640	2,170	2,700	3,230	3,760	4,290
B Free space required for mounting the blanking flanges ⁽¹⁾	50	50	50	50	50	50	50
C Total height	1,576	1,576	1,576	1,576	1,576	1,576	1,576
D Free space above the boilers (recommended)	500	500	500	500	500	500	500
E Free space in front of the boilers (recommended)	1,000	1,000	1,000	1,000	1,000	1,000	1,000
F Total depth	575	575	575	575	575	575	575
G Flow connection	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6
H Return connection	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6
I Gas connection	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16

Dimensions in mm with DN100 collector pipes

	2 boilers	3 boilers	4 boilers	5 boilers	6 boilers	7 boilers	8 boilers
A Total width	1,310	1,940	2,570	3,200	3,830	4,460	5,090
B Free space required for mounting the blanking flanges ⁽¹⁾	55	55	55	55	55	55	55
C Total height	2,004	2,004	2,004	2,004	2,004	2,004	2,004
D Free space above the boilers (recommended)	500	500	500	500	500	500	500
E Free space in front of the boilers (recommended)	1,000	1,000	1,000	1,000	1,000	1,000	1,000
F Total depth	676	676	676	676	676	676	676
G Flow connection	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6
H Return connection	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6
I Gas connection	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16

⁽¹⁾ When fitting a blanking flange with an expansion vessel connection, make sure there is enough space for fitting the vessel.

Please refer to the data sheets available on remeha.co.uk for further details.



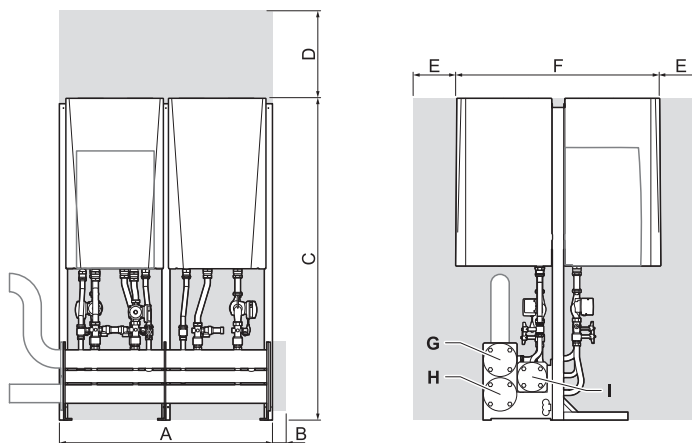
Quinta Ace back-to-back configuration

Mounted on a free-standing frame.

remeha

BY **BAXI**

Back-to-back mounted
on a free-standing frame
configuration for Quinta
Ace 30, 45, 55, 65, 90,
115, 135 and 160kW



Dimensions in mm with DN65 collector pipes	3-4 boilers	5-6 boilers	7-8 boilers
A Total width	1,110	1,640	2,170
B Free space required for mounting the blanking flanges ⁽¹⁾	50	50	50
C Total height	1,576	1,576	1,576
D Free space above the boilers (recommended)	500	500	500
E Free space in front of the boilers (recommended)	1,000	1,000	1,000
F Total depth	1,095	1,095	1,095
G Flow connection	DN65 PN6	DN65 PN6	DN65 PN6
H Return connection	DN65 PN6	DN65 PN6	DN65 PN6
I Gas connection	DN50 PN16	DN50 PN16	DN50 PN16

Dimensions in mm with DN100 collector pipes	3-4 boilers	5-6 boilers	7-8 boilers
A Total width	1,310	1,940	2,570
B Free space required for mounting the blanking flanges ⁽¹⁾	55	55	55
C Total height	2,004	2,004	2,004
D Free space above the boilers (recommended)	500	500	500
E Free space in front of the boilers (recommended)	1,000	1,000	1,000
F Total depth	1,278	1,278	1,278
G Flow connection	DN100 PN6	DN100 PN6	DN100 PN6
H Return connection	DN100 PN6	DN100 PN6	DN100 PN6
I Gas connection	DN65 PN16	DN65 PN16	DN65 PN16

⁽¹⁾ When fitting a blanking flange with an expansion vessel connection, make sure there is enough space for fitting the vessel.

Please refer to the data sheets available on remeha.co.uk for further details.



Quinta Ace cascade options

Dimensions and connections – low loss headers.

remeha

BY BAXI

Low loss header and air dirt separator configuration for cascade kits for the Quinta Ace 30, 45, 55, 65, 90, 115, 135 and 160kW

Fig.45 Low loss header dimensions - DN65 <350 kW

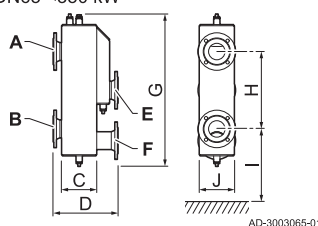


Fig.46 Low loss header dimensions - DN65 <350 kW - DN100

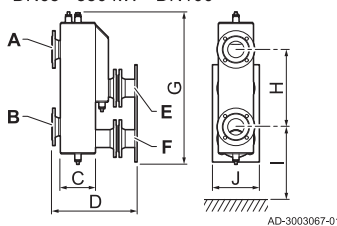


Fig.47 Low loss header dimensions

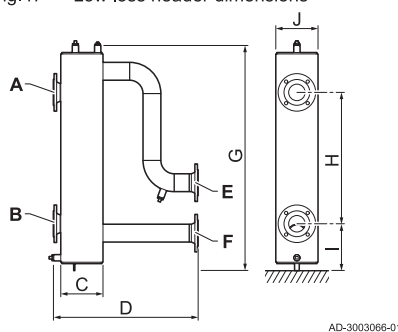
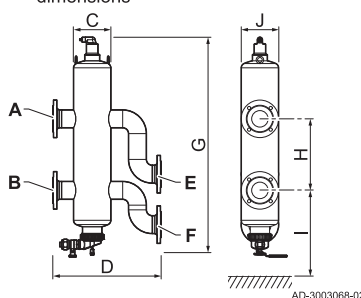


Fig.48 Low loss header with dirt separator dimensions



Description low loss header dimensions - DN65 <350kW

	DN65 <350 kW	DN65 - DN100 ⁽¹⁾
A Flange size flow, system side	DN65 PN6	DN65 PN6
B Flange size return, system side	DN65 PN6	DN65 PN6
C Body depth	143	143
D Total depth	277	357
E Flange size flow, boiler side	DN65 PN6	DN100 PN6
F Flange size return, boiler side	DN65 PN6	DN100 PN6
G Total height	610	610
H Flange distance, system side	330	330
I Flange height, system side	200	200
J Total width	160	200

Low loss header dimensions

	DN65	DN100
A Flange size flow, system side	DN65 PN6	DN100 PN6
B Flange size return, system side	DN65 PN6	DN100 PN6
C Body depth	180	250
D Total depth	617	631
E Flange size flow, boiler side	DN65 PN6	DN100 PN6
F Flange size return, boiler side	DN65 PN6	DN100 PN6
G Total height	960	960
H Flange distance, system side	560	560
I Flange height, system side	200	200
J Total width	180	250

Low loss header with dirt separator dimensions

	DN65	DN100
A Flange size flow, system side	DN65 PN6	DN100 PN6
B Flange size return, system side	DN65 PN6	DN100 PN6
C Body depth	ø159	ø219
D Total depth	462	744
E Flange size flow, boiler side	DN65 PN6	DN100 PN6
F Flange size return, boiler side	DN65 PN6	DN100 PN6
G Total height	905	1261
H Flange distance, system side	305	460
I Flange height, system side	306	414
J Total width	ø159	ø219

(1) Includes an adaptor to connect the DN65 low loss header to an DN100 collector pipe set.

Please refer to the data sheets available on remeha.co.uk for further details.



Quinta Ace PHEX kits

Reliable performance and easy installation.

 **remeha**

BY **BAXI**

Overview of different plate heat exchangers

Boilers	Q45	Q55	Q65	Q90	Q115	Q135	Q160
2	RHB-60-60	RHB-60-60	RHB-60-80	RHB-60-80	RMB-110-100	RHB-110-80	RHB-110-80
3	RHB-60-60	RHB-60-80	RHB-60-120	RHB-60-140	RMB-235-80	RHB-110-100	RHB-110-140
4	RHB-60-80	RHB-110-80	RHB-110-80	RHB-110-80	RMB-235-100	RHB-110-140	RMB-235-80
5	RHB-60-100	RHB-110-80	RHB-110-100	RHB-110-120	RMB-235-120	RMB-235-80	RMB-235-100
6	RHB-60-140	RHB-110-100	RHB-110-120	RHB-110-140	RMB-235-160	RMB-235-100	RMB-235-140
7	RHB-110-80	RHB-110-120	RHB-110-160	RMB-235-80	RMB-235-180	RMB-235-120	RMB-235-160
8	RHB-110-80	RHB-110-160	RMB-235-80	RMB-235-100	RMB-235-220	RMB-235-140	RMB-235-180
9	RHB-110-100	RMB-235-80	RMB-235-80	RMB-235-100	RMB-235-280	-	-
10	RHB-110-120	RMB-235-80	RMB-235-80	RMB-235-120	RMB-235-280	-	-

Plate heat exchangers for Quinta Ace - 45 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ³ /h	Heat exchanger type	PHEX Connection Size
7809536	2	84.8	2.91	RHB-60-60	DN32
7809536	3	127.2	4.36	RHB-60-60	DN32
7809537	4	169.6	5.81	RHB-60-80	DN32
7857807	5	212	7.27	RHB-60-100	DN32
7809538	6	254.4	8.72	RHB-60-140	DN32
7809541	7	296.8	10.18	RHB-110-80	DN50
7809541	8	339.2	11.63	RHB-110-80	DN50
7809539	9	381.6	13.08	RHB-110-100	DN50
7809540	10	424	14.54	RHB-110-120	DN50

(1) Nominal output Pnc 50/30 °C.

Please refer to the data sheets available on [remeha.co.uk](https://www.remeha.co.uk) for further details.



Quinta Ace PHEX kits

Reliable performance and easy installation.

 **remeha**

BY **BAXI**

Plate heat exchangers for Quinta Ace - 55 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ^{3/h}	Heat exchanger type	PHEX Connection Size
7809536	2	117.2	4.02	RHB-60-60	DN32
7809537	3	175.8	6.03	RHB-60-80	DN32
7809541	4	234.4	8.04	RHB-110-80	DN50
7809541	5	293	10.05	RHB-110-80	DN50
7809539	6	351.6	12.05	RHB-110-100	DN50
7809540	7	410.2	14.06	RHB-110-120	DN50
7809543	8	468.8	16.07	RHB-110-160	DN50
7809545	9	527.4	18.08	RMB-235-80	DN80
7809545	10	586	20.09	RMB-235-80	DN80

(1) Nominal output Pnc 50/30 °C.

Plate heat exchangers for Quinta Ace - 65 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ^{3/h}	Heat exchanger type	PHEX Connection Size
7809537	2	130	4.46	RHB-60-80	DN32
7857809	3	195	6.69	RHB-60-120	DN32
7809541	4	260	8.91	RHB-110-80	DN50
7809539	5	325	11.14	RHB-110-100	DN50
7809540	6	390	13.37	RHB-110-120	DN50
7809543	7	455	15.60	RHB-110-160	DN50
7809545	8	520	17.83	RMB-235-80	DN80
7809545	9	585	20.06	RMB-235-80	DN80
7809545	10	650	22.29	RMB-235-80	DN80

(1) Nominal output Pnc 50/30 °C.

Please refer to the data sheets available on remeha.co.uk for further details.



Quinta Ace PHEX kits

Reliable performance and easy installation.

 **remeha**

BY **BAXI**

Plate heat exchangers for Quinta Ace - 90 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ³ /h	Heat exchanger type	PHEX Connection Size
7809537	2	179	6.14	RHB-60-80	DN32
7809538	3	268.5	9.21	RHB-60-140	DN32
7809541	4	358	12.27	RHB-110-80	DN50
7809540	5	447.5	15.34	RHB-110-120	DN50
7856604	6	537	18.41	RHB-110-140	DN50
7809545	7	626.5	21.48	RMB-235-80	DN80
7809546	8	716	24.55	RMB-235-100	DN80
7809546	9	805.5	27.62	RMB-235-100	DN80
7809547	10	895	30.69	RMB-235-120	DN80

(1) Nominal output Pnc 50/30 °C.

Plate heat exchangers for Quinta Ace - 115 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ³ /h	Heat exchanger type	PHEX Connection Size
7809539	2	219.4	9.40	RMB-100-100	DN50
7861090	3	329.1	14.10	RMB-235-80	DN80 + Adaptor
7861091	4	438.8	18.81	RMB-235-100	DN80 + Adaptor
7809547	5	548.5	23.51	RMB-235-120	DN80
7809549	6	658.2	28.21	RMB-235-160	DN80
7809550	7	767.9	32.91	RMB-235-180	DN80
7809552	8	877.6	37.61	RMB-235-220	DN80
7858647	9	987.3	42.31	RMB-235-280	DN80
7858647	10	1097	47.01	RMB-235-280	DN80

(1) Nominal output Pnc 50/30 °C.

Please refer to the data sheets available on remeha.co.uk for further details.



Quinta Ace PHEX kits

Reliable performance and easy installation.

 **remeha**

BY **BAXI**

Plate heat exchangers for Quinta Ace - 135 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ^{3/h}	Heat exchanger type	PHEX Connection Size
7856602	2	272.2	9.33	RHB-110-80	DN50 + Adaptor
7856600	3	408.3	14.00	RHB-110-100	DN50 + Adaptor
7856604	4	544.4	18.67	RHB-110-140	DN80 + Adaptor
7809545	5	680.5	23.33	RMB-235-80	DN80
7809546	6	816.6	28.00	RMB-235-100	DN80
7809547	7	952.7	32.66	RMB-235-120	DN80
7809548	8	1088.8	37.33	RMB-235-140	DN80

(1) Nominal output Pnc 50/30 °C.

Plate heat exchangers for Quinta Ace - 160 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ^{3/h}	Heat exchanger type	PHEX Connection Size
7856602	2	323.2	11.08	RHB-110-80	DN50 + Adaptor
7856604	3	484.8	16.62	RHB-110-140	DN50 + Adaptor
7809545	4	646.4	22.16	RMB-235-80	DN80
7809546	5	808	27.70	RMB-235-100	DN80
7809548	6	969.6	33.24	RMB-235-140	DN80
7809549	7	1131.2	38.78	RMB-235-160	DN80
7809550	8	1292.8	44.32	RMB-235-180	DN80

(1) Nominal output Pnc 50/30 °C.

Please refer to the data sheets available on remeha.co.uk for further details.



Wall Hung Boiler

Quinta Ace S

Compact and efficient, with stainless steel HEX for sealed systems.

remeha

BY **BAXI**



Up to 97.3% gross
seasonal efficiency



Low NO_x -
from 19mg/kWh



Up to 9:1
modulation ratio

Technical information	Quinta Ace S 50	Quinta Ace S 60	Quinta Ace S 70	Quinta Ace S 90	Quinta Ace S 110	Quinta Ace S 130	Quinta Ace S 150
Product code	7866821	7866822	7866823	7889672	7889673	7889674	7889675
Performance							
Nominal heat output central heating operation @ 80/60°C (kW) (min/max)	5.0-45.0	6.1-55.0	7.2-65.0	9.4-85.0	11.4-102.0	28.4-121.5	28.1-140.3
Nominal heat output central heating operation @ 50/30°C (kW) (max)	5.4-48.6	6.6-59.4	7.8-70.2	10.2-91.8	12.3-110.2	30.6-130.6	30.2-150.9
SBEM seasonal efficiency GCV	95.3	95.0	94.7	95.1	95.0	96.0	96.0
Efficiency - full load 100% NCV	97.4	97.2	97.2	97.3	97.2	98.1	98.1
Efficiency - part load 30% NCV	107.8	107.5	107.1	107.5	107.4	108.6	108.6
Gas							
Gas consumption NG (m ³ /hr)*	0.54-4.90	0.67-5.98	0.78-7.07	1.03-9.25	1.24-11.10	3.06-13.09	3.02-15.12
Gas consumption LPG (m ³ /hr)*	0.40-3.60	0.49-4.40	0.57-5.20	0.97-6.60	0.91-7.92	1.93-9.62	2.22-11.11
Hydraulics							
Nominal flow rate 20°C Δt (l/s)	0.54	0.66	0.78	1.02	1.22	1.45	1.68
Hydraulic resistance @20°C Δt (mbar)	470	520	455	375	399	433	520
Water content (litres)	4	5	6	9	10	10	11
Standard operating temperature (°C)	20-80	20-80	20-80	20-80	20-80	20-80	20-80
Min/max water operating pressure (bar)	0.5-4	0.5-4	0.5-4	0.5-6	0.5-6	0.5-6	0.5-6

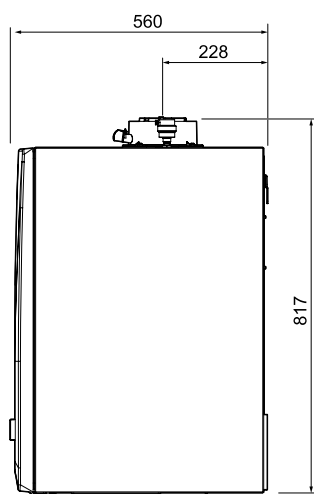
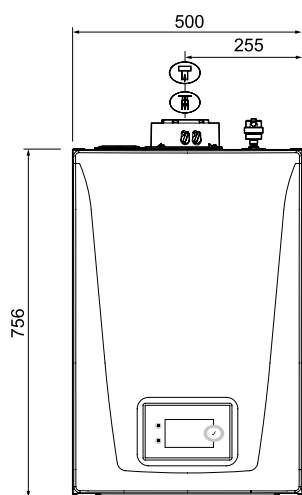
* Gas consumption based on lower heating value under standard heating conditions:
T = 288.15K, p = 1013.25mbar. Gag 30.33, G25 29.25, G31 88.00 MJ/m³.

Please refer to the data sheets available on remeha.co.uk for further details.



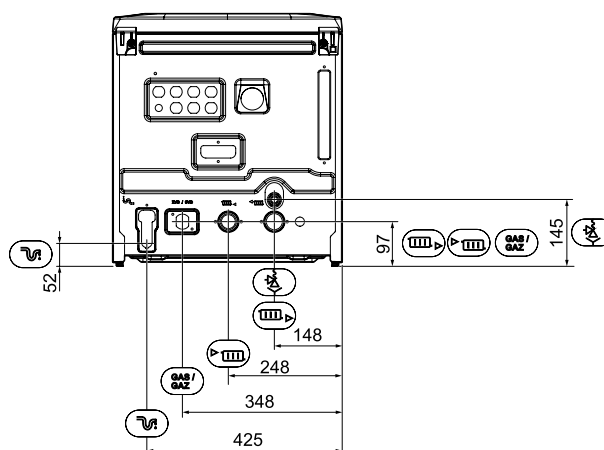
General	Quinta Ace S 50	Quinta Ace S 60	Quinta Ace S 70	Quinta Ace S 90	Quinta Ace S 110	Quinta Ace S 130	Quinta Ace S 150
Dimensions (W x H x D) (mm)	500 x 766 x 560	500 x 766 x 560	500 x 766 x 560	500 x 924 x 631	500 x 924 x 631	500 x 924 x 631	500 x 924 x 631
Total weight (incl packaging) (kg)	46.8	46.8	56.8	91.0	95.0	95.0	97.7
BREEAM credits**	2	2	2	2	2	2	2
NO _x annual emissions BREEAM EN15502 - NG mg/kWh (dry, 0% O ₂) Class 6	17	19	22	22	21	18	20
Noise levels dB(A) @ 1m	62	59	62	63	63	52	56
Electrical							
Nominal power supply	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz
Power consumption (W)	21-102	19-110	19-113	17-140	18-178	20-159	22-238

Quinta Ace S 50-70

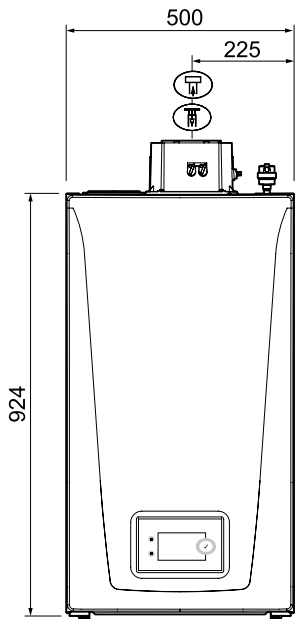


Key	Description	50, 60, 70
	Flow connection	1" male thread
	Return connection	1" male thread
	Gas connection	3/4" male thread
	Condensation outlet	Ø 22 mm external
	Safety pressure relief valve outlet	3/4" male thread
	Flue gas outlet ⁽¹⁾	Ø 80 mm
	Air inlet ⁽²⁾	Ø 125 mm

(1) This is the inner pipe of the concentric flue gas adapter.
(2) This is the outer pipe of the concentric flue gas adapter.

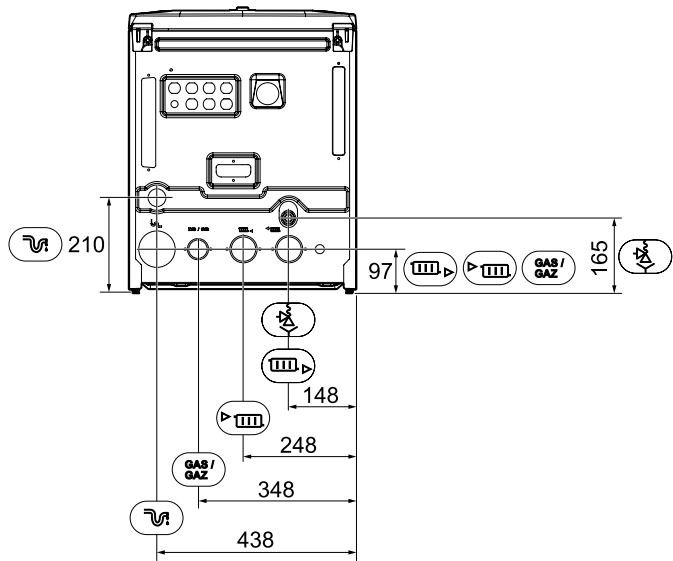
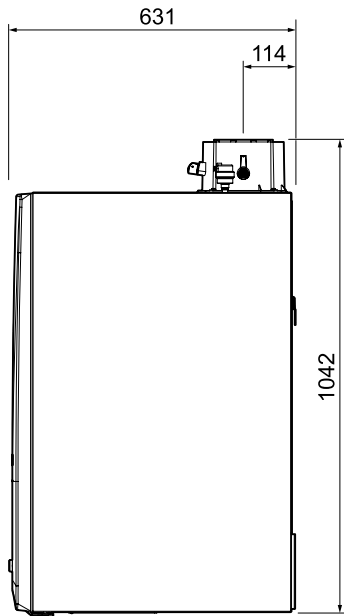


Quinta Ace S 90-150



Key	Description	90, 110, 130, 150
	Flow connection	1½" male thread
	Return connection	1½" male thread
	Gas connection	1" male thread
	Condensation outlet	Ø 24 mm external
	Safety pressure relief valve outlet	¾" male thread
	Flue gas outlet ⁽¹⁾	Ø 110 mm
	Air inlet ⁽²⁾	Ø 160 mm

(1) This is the inner pipe of the concentric flue gas adapter.
(2) This is the outer pipe of the concentric flue gas adapter.
Please note that a 110/160 to 100/150 adaptor is supplied with the Quinta Ace S 90, 110, 130 & 150 boilers.



Pumps for Quinta Ace S - Quinta Ace S - 50-150kW

Item Code	Item Description
7878723	QAS PUMP UPM10M G1 1/2" 130MM
7878742	QAS PUMP UPM10L G1 1/2" 130MM
7878768	QAS PUMP UPM10L G1 1/2" 180MM
7878780	QAS PUMP UPM10XL G1 1/2" 180MM
7878784	QAS PUMP UPM20M G1 1/2" 180MM

Full range of accessories available - including cascade kits, low loss headers and plate heat exchangers, flues and fluecades, system controls and pressurisation kits. Find out more at baxi.co.uk



Quinta Ace S installation drawings

For wall-mounted cascade systems.

remeha

BY BAXI

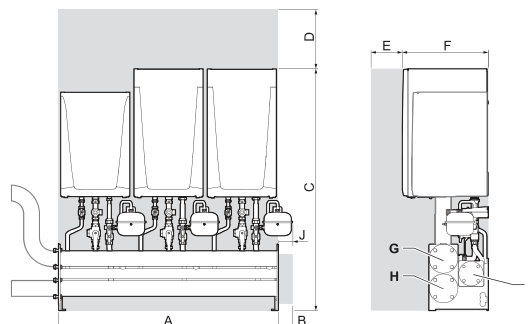
Wall-mounted configuration for Quinta Ace S 50, 60, 70, 90, 110, 130 and 150kW boilers

The cascade systems can be divided into three main groups:

- Two to eight boilers in a linear configuration, wall-mounted
- Two to eight boilers in a linear configuration, mounted on a free-standing frame
- Three to ten boilers in a back-to-back configuration, mounted on a free-standing frame

The boiler side of the cascade systems is sized to 20°C.

The secondary side can provide either 20° or 11° DT depending upon which low loss header is selected.



Dimensions in mm with DN65 collector pipes	2 boilers	3 boilers	4 boilers	5 boilers	6 boilers	7 boilers	8 boilers
A Total width	1,060	1,590	2,120	2,650	3,180	3,710	4,240
B Free space required for mounting the blanking flanges ⁽¹⁾	50	50	50	50	50	50	50
C Total height	1,579	1,579	1,579	1,579	1,579	1,579	1,579
D Free space above the boilers (recommended minimum) ⁽²⁾	700	700	700	700	700	700	700
E Free space in front of the boilers (recommended)	1,000	1,000	1,000	1,000	1,000	1,000	1,000
F Total depth	560	560	560	560	560	560	560
G Flow connection	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6
H Return connection	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6
I Gas connection	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16
J Free space required for expansion vessel	102	102	102	102	102	102	102

Note: Cascades up to 460kW are DN65, anything over 460kW is DN100.

Dimensions in mm with DN100 collector pipes	2 boilers	3 boilers	4 boilers	5 boilers	6 boilers	7 boilers	8 boilers
A Total width	1,060	1,590	2,120	2,650	3,180	3,710	4,240
B Free space required for mounting the blanking flanges ⁽¹⁾	50	50	50	50	50	50	50
C Total height for a cascade with ≤ 70kW boiler models	1,579	1,579	1,579	1,579	1,579	1,579	1,579
C Total height for a cascade with ≥ 90kW boiler models	1,748	1,748	1,748	1,748	1,748	1,748	1,748
D Free space above the boilers (recommended minimum) ⁽²⁾	700	700	700	700	700	700	700
E Free space in the front of the boilers (recommended)	1,000	1,000	1,000	1,000	1,000	1,000	1,000
F Total depth for a cascade with ≤ 70kW boiler models	560	560	560	560	560	560	560
F Total depth for a cascade with ≥ 90kW boiler models	631	631	631	631	631	631	631
G Flow connection	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6
H Return connection	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6
I Gas connection	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16
J Free space required for expansion vessel	102	102	102	102	102	102	102

(1) When fitting a blanking flange with an expansion vessel connection, make sure there is enough space for fitting the vessel.

(2) Make sure there is enough space for the flue gas system.

Please refer to the data sheets available on remeha.co.uk for further details.



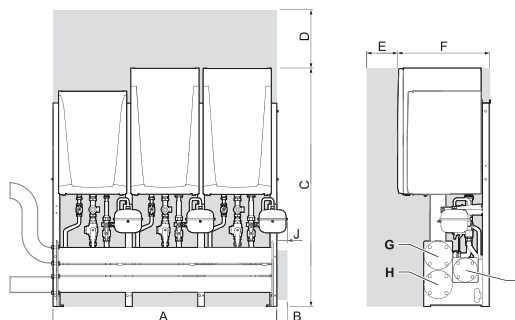
Quinta Ace S linear configuration

Mounted on a free-standing frame-two to eight boilers.

remeha

BY BAXI

**Free standing frame configuration
for Quinta Ace S 50, 60, 70, 90, 110,
130 and 150kW boilers**



Dimensions in mm with DN65 collector pipes	2 boilers	3 boilers	4 boilers	5 boilers	6 boilers	7 boilers	8 boilers
A Total width	1,110	1,640	2,170	2,700	3,230	3,760	4,290
B Free space required for mounting the blanking flanges ⁽¹⁾	50	50	50	50	50	50	50
C Total height	1,687	1,687	1,687	1,687	1,687	1,687	1,687
D Free space above the boilers (recommended minimum) ⁽²⁾	700	700	700	700	700	700	700
E Free space in front of the boilers (recommended)	1,000	1,000	1,000	1,000	1,000	1,000	1,000
F Total depth	610	610	610	610	610	610	610
G Flow connection	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6
H Return connection	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6
I Gas connection	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16	DN50 PN16
J Free space required for expansion vessel	76	76	76	76	76	76	76

Note: Cascades up to 460kW are DN65, anything over 460kW is DN100.

Dimensions in mm with DN100 collector pipes	2 boilers	3 boilers	4 boilers	5 boilers	6 boilers	7 boilers	8 boilers
A Total width	1,110	1,640	2,170	2,700	3,230	3,760	4,290
B Free space required for mounting the blanking flanges ⁽¹⁾	50	50	50	50	50	50	50
C Total height for a cascade with ≤ 70kW boiler models	1,687	1,687	1,687	1,687	1,687	1,687	1,687
C Total height for a cascade with ≥ 90kW boiler models	1,748	1,748	1,748	1,748	1,748	1,748	1,748
D Free space above the boilers (recommended minimum) ⁽²⁾	700	700	700	700	700	700	700
E Free space in the front of the boilers (recommended)	1,000	1,000	1,000	1,000	1,000	1,000	1,000
F Total depth for a cascade with ≤ 70kW boiler models	610	610	610	610	610	610	610
F Total depth for a cascade with ≥ 90kW boiler models	681	681	681	681	681	681	681
G Flow connection	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6
H Return connection	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6	DN100 PN6
I Gas connection	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16	DN65 PN16
J Free space required for expansion vessel	76	76	76	76	76	76	76

(1) When fitting a blanking flange with an expansion vessel connection, make sure there is enough space for fitting the vessel.

(2) Make sure there is enough space for the flue gas system.

Please refer to the data sheets available on remeha.co.uk for further details.



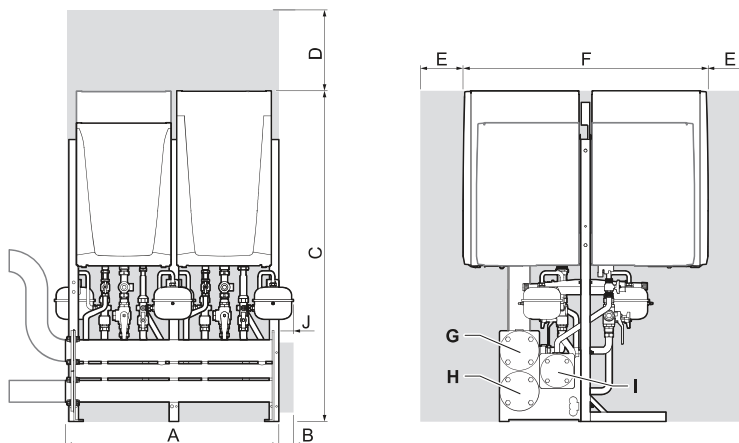
Quinta Ace S back-to-back configuration

Mounted on a free-standing frame.

remeha

BY BAXI

**Back-to-back mounted
on a free-standing frame
configuration for Quinta
Ace S 50, 60, 70, 90, 110,
130 and 150kW boilers**



Dimensions in mm with DN65 collector pipes

	3-4 boilers	5-6 boilers	7-8 boilers
A Total width	1,110	1,640	2,170
B Free space required for mounting the blanking flanges ⁽¹⁾	50	50	50
C Total height	1,687	1,687	1,687
D Free space above the boilers (recommended minimum) ⁽²⁾	700	700	700
E Free space in front of the boilers (recommended)	1,000	1,000	1,000
F Total depth	1,170	1,170	1,170
G Flow connection	DN65 PN6	DN65 PN6	DN65 PN6
H Return connection	DN65 PN6	DN65 PN6	DN65 PN6
I Gas connection	DN50 PN16	DN50 PN16	DN50 PN16
J Free space required for expansion vessel	76	76	76

Note: Cascades up to 460kW are DN65, anything over 460kW is DN100.

Dimensions in mm with DN100 collector pipes

	3-4 boilers	5-6 boilers	7-8 boilers
A Total width	1,110	1,640	2,170
B Free space required for mounting the blanking flanges ⁽¹⁾	50	50	50
C Total height for a cascade with ≤ 70 kW boiler models	1,687	1,687	1,687
C Total height for a cascade with ≥ 90 kW boiler models	1,748	1,748	1,748
D Free space above the boilers (recommended minimum) ⁽²⁾	700	700	700
E Free space in the front of the boilers (recommended)	1,000	1,000	1,000
F Total depth for a cascade with ≤ 70 kW boiler models	1,170	1,170	1,170
F Total depth for a cascade with ≥ 90 kW boiler models	1,312	1,312	1,312
G Flow connection	DN100 PN6	DN100 PN6	DN100 PN6
H Return connection	DN100 PN6	DN100 PN6	DN100 PN6
I Gas connection	DN65 PN16	DN65 PN16	DN65 PN16
J Free space required for expansion vessel	76	76	76

(1) When fitting a blanking flange with an expansion vessel connection, make sure there is enough space for fitting the vessel.

(2) Make sure there is enough space for the flue gas system.

Please refer to the data sheets available on remeha.co.uk for further details.



Quinta Ace S cascade options

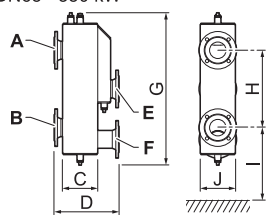
Dimensions and connections – low loss headers.

remeha

BY BAXI

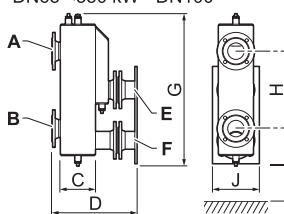
Low loss header and air dirt separator configuration for cascade kits for the Quinta Ace S 50, 60, 70, 90, 110, 130 and 150kW

Fig.45 Low loss header dimensions - DN65 <350 kW



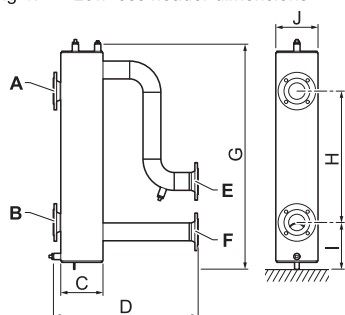
AD-3003065-01

Fig.46 Low loss header dimensions - DN65 <350 kW - DN100



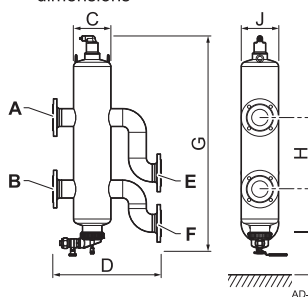
AD-3003067-01

Fig.47 Low loss header dimensions



AD-3003066-01

Fig.48 Low loss header with dirt separator dimensions



AD-3003068-02

Description low loss header dimensions - DN65 <350kW

	DN65 <350 kW	DN65 - DN100 ⁽¹⁾
A Flange size flow, system side	DN65 PN6	DN65 PN6
B Flange size return, system side	DN65 PN6	DN65 PN6
C Body depth	143	143
D Total depth	277	357
E Flange size flow, boiler side	DN65 PN6	DN100 PN6
F Flange size return, boiler side	DN65 PN6	DN100 PN6
G Total height	610	610
H Flange distance, system side	330	330
I Flange height, system side	200	200
J Total width	160	200

Low loss header dimensions

	DN65	DN100
A Flange size flow, system side	DN65 PN6	DN100 PN6
B Flange size return, system side	DN65 PN6	DN100 PN6
C Body depth	180	250
D Total depth	617	631
E Flange size flow, boiler side	DN65 PN6	DN100 PN6
F Flange size return, boiler side	DN65 PN6	DN100 PN6
G Total height	960	960
H Flange distance, system side	560	560
I Flange height, system side	200	200
J Total width	180	250

Low loss header with dirt separator dimensions

	DN65	DN100
A Flange size flow, system side	DN65 PN6	DN100 PN6
B Flange size return, system side	DN65 PN6	DN100 PN6
C Body depth	ø159	ø219
D Total depth	462	744
E Flange size flow, boiler side	DN65 PN6	DN100 PN6
F Flange size return, boiler side	DN65 PN6	DN100 PN6
G Total height	905	1261
H Flange distance, system side	305	460
I Flange height, system side	306	414
J Total width	ø159	ø219

(1) Includes an adaptor to connect the DN65 low loss header to an DN100 collector pipe set.



Quinta Ace S PHEX kits



BY BAXI

Overview of different plate heat exchangers

Boilers	QAS50	QAS60	QAS70	QAS90	QAS110	QAS130	QAS150
2	RHB-60-60	RHB-60-80	RHB-60-80	RHB-110-80	RHB-110-160	RHB-110-100	RMB-235-80
3	RHB-60-80	RHB-60-100	RHB-110-80	RHB-110-100	RMB-235-80	RMB-235-80	RMB-235-140
4	RHB-110-80	RHB-110-80	RHB-110-100	RHB-110-140	RMB-235-120	RMB-235-100	RMB-235-200
5	RHB-110-80	RHB-110-100	RHB-110-120	RMB-235-80	RMB-235-160	RMB-235-120	RMB-235-280
6	RHB-110-100	RHB-110-120	RHB-110-140	RMB-235-100	RMB-235-200	RMB-235-140	RMB-235-280
7	RHB-110-120	RHB-110-140	RMB-235-80	RMB-235-100	RMB-235-260	RMB-235-180	RMB-235-280
8	RHB-110-140	RHB-110-160	RMB-235-100	RMB-235-120	RMB-235-280	RMB-235-220	RMB-235-280
9	RHB-110-180	RMB-235-100	RMB-235-100	RMB-235-140	RMB-235-280	-	-
10	RMB-235-80	RMB-235-100	RMB-235-120	RMB-235-160	RMB-235-280	-	-

Plate heat exchangers for Quinta Ace S - 50 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ³ /h	Heat exchanger type	PHEX Connection Size
7809536	2	97.2	4.18	RHB-60-60	DN32
7809537	3	145.8	6.27	RHB-60-80	DN32
7809541	4	194.4	8.36	RHB-110-80	DN50
7809541	5	243	10.45	RHB-110-80	DN50
7809539	6	291.6	12.54	RHB-110-100	DN50
7809540	7	340.2	14.63	RHB-110-120	DN50
7809544	8	388.8	16.72	RHB-110-140	DN50
7857812	9	437.4	18.81	RHB-110-180	DN50
7809545	10	486	20.9	RMB-235-80	DN80

(1) Nominal output Pnc 50/30 °C.

Quinta Ace S PHEX kits



BY BAXI

Plate heat exchangers for Quinta Ace S - 60 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ³ /h	Heat exchanger type	PHEX Connection Size
7809537	2	118.8	5.11	RHB-60-80	DN32
7857807	3	178.2	7.66	RHB-60-100	DN32
7809541	4	237.6	10.22	RHB-110-80	DN50
7809539	5	297	12.77	RHB-110-100	DN50
7809540	6	356.4	15.33	RHB-110-120	DN50
7809544	7	415.8	17.88	RHB-110-140	DN50
7856603	8	475.2	20.43	RHB-110-160	DN50 + Adaptor
7809546	9	534.6	22.99	RMB-235-100	DN80
7809546	10	594	25.54	RMB-235-100	DN80

(1) Nominal output Pnc 50/30 °C.

Plate heat exchangers for Quinta Ace S - 70 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ³ /h	Heat exchanger type	PHEX Connection Size
7809537	2	140.4	6.04	RHB-60-80	DN32
7809541	3	210.6	9.06	RHB-110-80	DN50
7809539	4	280.8	12.06	RHB-110-100	DN50
7809540	5	351	15.09	RHB-110-120	DN50
7809544	6	421.2	18.11	RHB-110-140	DN50
7809545	7	491.4	21.13	RMB-235-80	DN80
7809546	8	561.6	24.15	RMB-235-100	DN80
7809546	9	631.8	27.17	RMB-235-100	DN80
7809547	10	702	30.19	RMB-235-120	DN80

(1) Nominal output Pnc 50/30 °C.

(1) Includes an adaptor to connect the DN65 low loss header to an DN100 collector pipe set.

Please refer to the data sheets available on remeha.co.uk for further details.

Quinta Ace S PHEX kits



BY BAXI

Plate heat exchangers for Quinta Ace S - 90 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ^{3/h}	Heat exchanger type	PHEX Connection Size
7809541	2	183.6	7.89	RHB-110-80	DN50
7809539	3	275.4	11.84	RHB-110-100	DN50
7809544	4	367.2	15.79	RHB-110-140	DN50
7861090	5	459	19.74	RMB-235-80	DN80 + Adaptor
7809546	6	550.8	23.68	RMB-235-100	DN80
7809546	7	642.6	27.63	RMB-235-100	DN80
7809547	8	734.4	31.58	RMB-235-120	DN80
7809548	9	826.2	35.53	RMB-235-140	DN80
7809549	10	918	39.47	RMB-235-160	DN80

(1) Nominal output Pnc 50/30 °C.

Plate heat exchangers for Quinta Ace S - 110 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ^{3/h}	Heat exchanger type	PHEX Connection Size
7809543	2	220.4	9.48	RHB-110-160	DN50
7861090	3	330.6	14.22	RMB-235-80	DN80 + Adaptor
7809547	4	440.8	18.95	RMB-235-120	DN80 + Adaptor
7809549	5	551	23.69	RMB-235-160	DN80
7809551	6	661.2	28.43	RMB-235-200	DN80
7858646	7	771.4	33.17	RMB-235-260	DN80
7858647	8	881.6	37.91	RMB-235-280	DN80
7858647	9	991.8	42.65	RMB-235-280	DN80
7858647	10	1102	47.39	RMB-235-280	DN80

(1) Nominal output Pnc 50/30 °C.

Quinta Ace S PHEX kits



BY BAXI

Plate heat exchangers for Quinta Ace S - 130 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ^{3/h}	Heat exchanger type	PHEX Connection Size
7809539	2	261.2	11.23	RHB-110-100	DN50
7861090	3	391.8	16.85	RMB-235-80	DN80 + Adaptor
7809546	4	522.4	22.46	RMB-235-100	DN80
7809547	5	653.0	28.08	RMB-235-120	DN80
7809548	6	783.6	33.7	RMB-235-140	DN80
7809550	7	914.2	39.31	RMB-235-180	DN80
7809552	8	1044.8	44.93	RMB-235-220	DN80

(1) Nominal output Pnc 50/30 °C.

Plate heat exchangers for Quinta Ace S - 150 kW

Kit Item Code	Number of boilers	Output ⁽¹⁾ kW	Total flow m ^{3/h}	Heat exchanger type	PHEX Connection Size
7861090	2	301.8	12.98	RMB-235-80	DN80 + Adaptor
7809548	3	452.7	19.47	RMB-235-140	DN80 + Adaptor
7809551	4	603.6	25.96	RMB-235-200	DN80
7858647	5	754.5	32.44	RMB-235-280	DN80
7858647	6	905.4	38.93	RMB-235-280	DN80
7858647	7	1056.3	45.42	RMB-235-280	DN80
7858647	8	1207.2	51.91	RMB-235-280	DN80

(1) Nominal output Pnc 50/30 °C.

Please refer to the data sheets available on remeha.co.uk for further details.

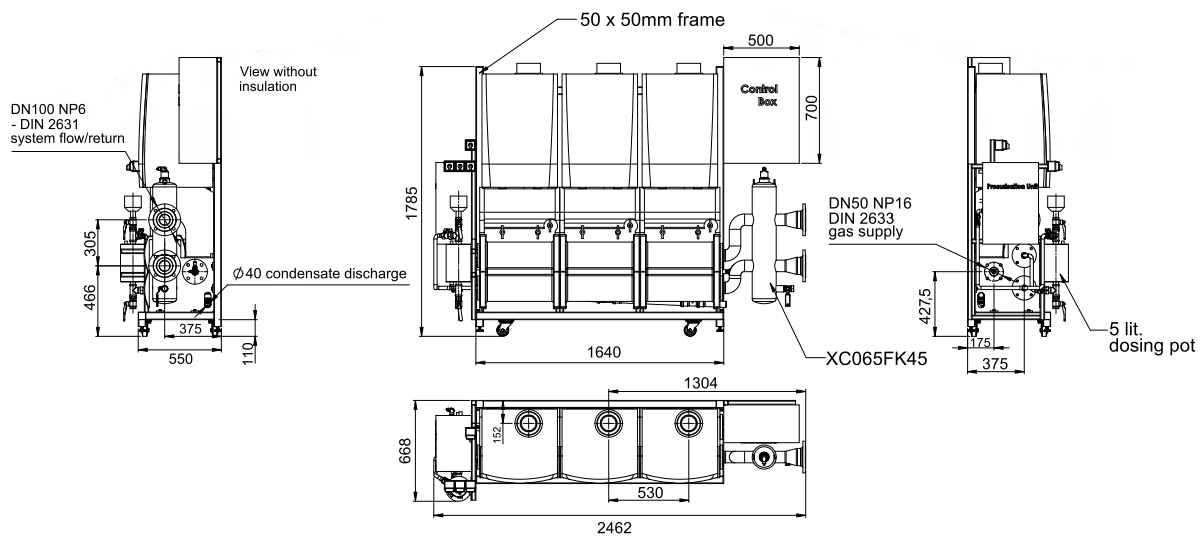
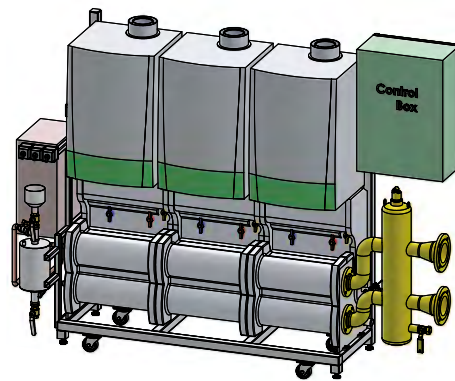
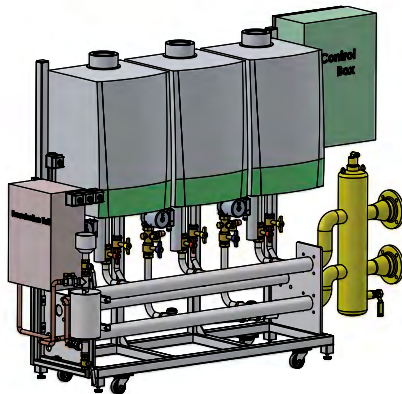
Quinta Ace / Ace S bespoke rig systems

Supporting consultants in overcoming plant room limitations and tight deadlines.

remeha

BY **BAXI**

Bespoke rig systems:



These rigs are designed and manufactured to meet the exact requirements of each individual project so that they can be installed in a fraction of the time. This solution is particularly beneficial for organisations restricted to a small window of time in which to carry out installation.

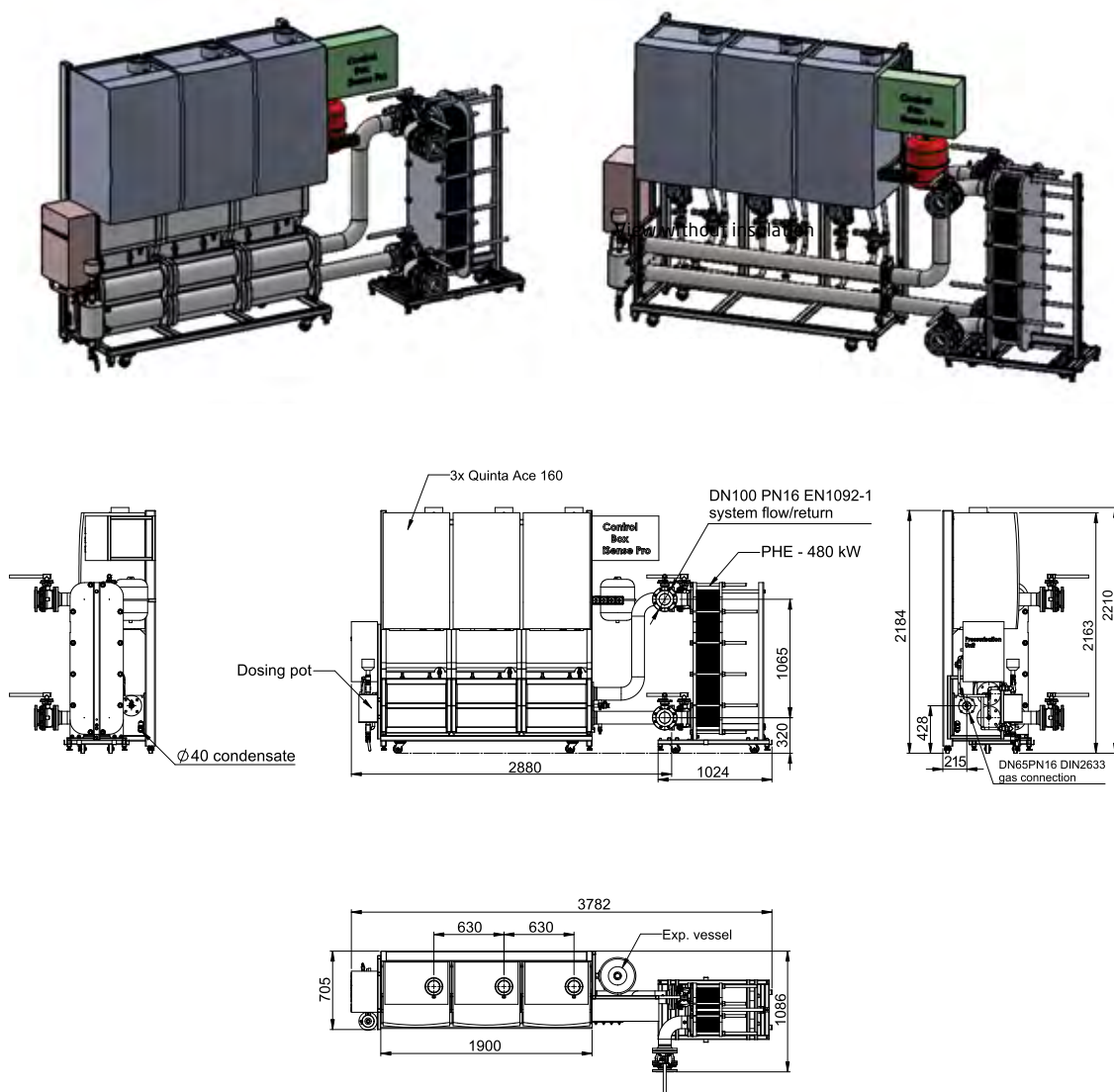
Quinta Ace / Ace S bespoke rig systems

Supporting consultants in overcoming plant room limitations and tight deadlines.

remeha

BY **BAXI**

Bespoke rig systems with PHE:



For more technical information, please visit remeha.co.uk



Floor Standing Boiler

Gas 120 Ace

Advanced floor-standing modular condensing boilers, designed for sealed heating systems and to fit directly into the same floor area as a traditional boiler of equal output.

remeha

BY **BAXI**



Pre-mix gas burner and one-piece cast aluminium heat exchanger



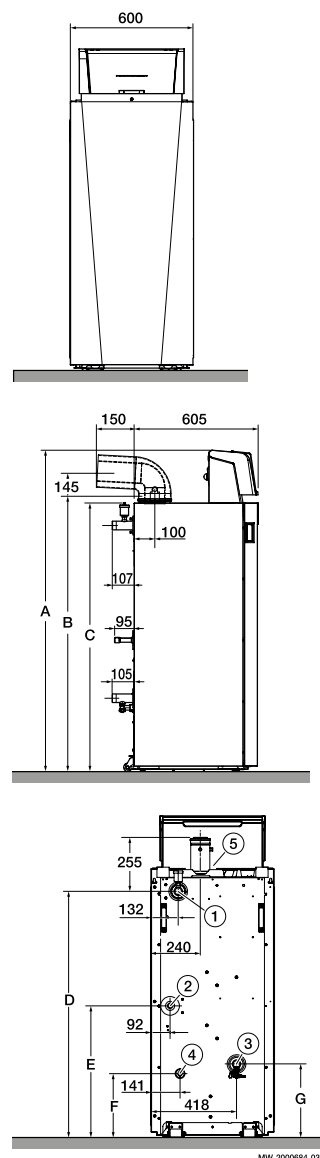
7 year parts and labour warranty*



Cascade capability - find out more on page 80

Technical information	Gas 120 Ace 65	Gas 120 Ace 90	Gas 120 Ace 115
Product code	7721607	7721609	7721610
Performance			
Nominal heat output central heating operation @ 80/60°C (kW) (min/max)	12.0-61.5	14.1-84.2	18.9-103.9
Nominal heat output central heating operation @ 50/30°C (kW) (max)	13.5-65.0	15.8-89.5	21.2-109.7
SBEM seasonal efficiency GCV	97.6%	95.7%	95.4%
Efficiency - full load 100% NCV	99.2%	97.9%	97.1%
Efficiency - part load 30% NCV	110.4%	108.1%	108.0%
Gas			
Gas consumption NG (m³/hr)	6.6	9.1	11.7
Gas consumption LPG (m³/hr)	2.5	3.5	4.5
Hydraulics			
Nominal flow rate 20°C Δt (l/s)	0.74	1.01	1.24
Hydraulic resistance @20°C Δt (mbar)	170	160	260
Water content (litres)	7.1	10.1	10.1
Standard operating temperature (°C)	20-90	20-90	20-90
Min/max water operating pressure (bar)	0.8-4.0	0.8-4.0	0.8-4.0
General			
Dimensions (W x H x D) (mm)	600 x 1,360 x 605	600 x 1,582 x 605	600 x 1,582 x 605
Appliance dry weight (kg)	98	109	109
BREEAM credits	n/a	n/a	n/a
NO _x emissions EN483/15420EN483/15420 - NG mg/kWh (dry, 0% O ₂) Class 6	29	41	41
Noise levels dB(A) @ 1 metre	40	45	45
Electrical			
Nominal power supply	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz
Power consumption (W)	25-92	24-124	34.4-180

* Warranty subject to our commissioning.



MW-2000684-03

Full range of accessories available - including cascade kits, low loss headers and plate heat exchangers, flues and fluecades, system controls and pressurisation kits. Find out more at remeha.co.uk

For more technical information, please visit remeha.co.uk



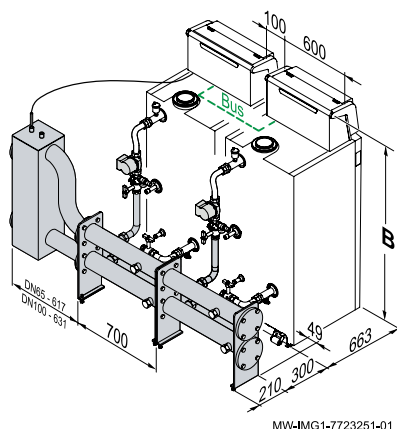
Gas 120 Ace cascades

Modular cascade options, spreading the total required heat output over several boilers.

remeha

BY **BAXI**

Spreading the total required heat output over several boilers in cascade configuration improves reliability and efficiency of the heat provision.



Dimensions

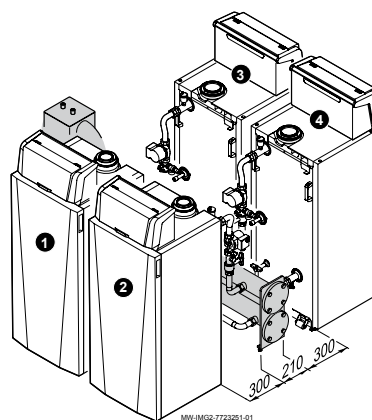
Height (B) (mm)

Gas 120 Ace 65

1,082

Gas 120 Ace 90 and 115

1,304



Smart connection technology

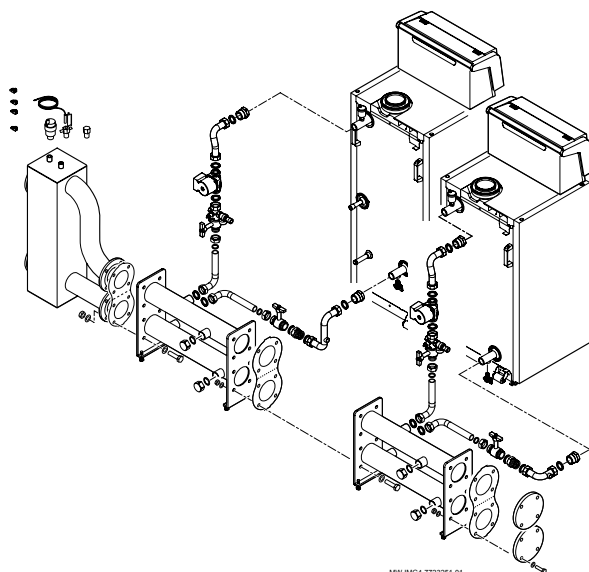
Remeha by Baxi's 'Smart Connection Technology' modular pipework kit has been designed to reduce installation time and simplify the planning of the primary circuit layout, for up to four boilers.

The pipework kit comprises a flow and return assembly to each boiler which incorporates a suitably sized circulation pump, safety relief valve set at three bar and isolation valves.

Each manifold (one per boiler) simply bolts together at 700mm centres, with a low loss header and connecting/blanking flanges completing the installation.

The standard manifold provides connections for both in-line and back-to-back boilers. Simply blank off the connections not used with the caps contained within the kit.

The pipework kits have been designed to operate at a minimum 15°C ΔT.



Floor Standing Boiler

Gas 210 Ace

This compact, lightweight boiler is easy to install in space-saving configurations. With an optional secondary return feature, it's perfect for use with low-grade heating technologies like heat pumps and underfloor circuits.

remeha

BY **BAXI**



Pre-mix gas burner and one-piece cast aluminium heat exchanger



7 year parts and labour warranty*



Easy operation and maintenance

Technical information	Gas 210 Ace 80	Gas 210 Ace 120	Gas 210 Ace 160	Gas 210 Ace 200
Product code	7821603	7821604	7821605	7821606
Performance				
Nominal heat output central heating operation @ 80/60°C (kW) (min/max)	18-87	22-120	29-166	39-200
Nominal heat output central heating operation @ 50/30°C (kW) (max)	20-93	24-129	33-179	44-217
SBEM seasonal efficiency GCV	95.80%	95.66%	95.50%	95.74%
Efficiency - full load 100% NCV	97.40%	97.50%	97.50%	97.60%
Efficiency - part load 30% NCV	108.60%	108.10%	108.30%	108.40%
Gas				
Gas consumption NG (m³/hr)	9.4	13.0	18.0	21.7
Gas consumption LPG (m³/hr)	3.6	4.8	7.0	8.4
Hydraulics				
Nominal flow rate 20°C Δt (l/s)	1.04	1.43	1.98	2.38
Hydraulic resistance @ 20°C Δt (mbar)	165	135	170	180
Water content (litres)	12	16	20	24
Standard operating temperature (°C)	20-90	20-90	20-90	20-90
Min/max water operating pressure (bar)	0.8-6.0	0.8-6.0	0.8-6.0	0.8-6.0

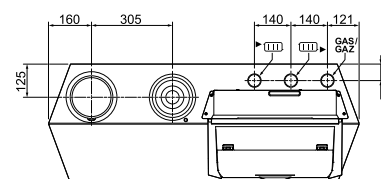
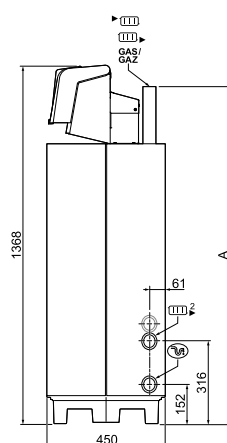
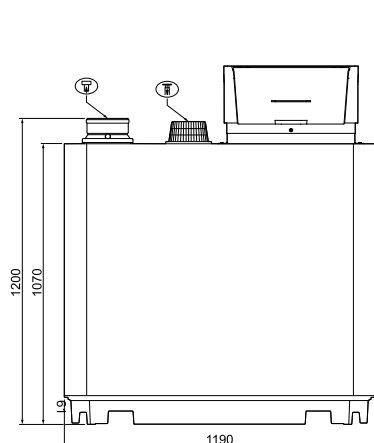
* Warranty subject to our commissioning.

For more technical information, please visit remeha.co.uk





General	Gas 210 Ace 80	Gas 210 Ace 120	Gas 210 Ace 160	Gas 210 Ace 200
Dimensions (W x H x D) (mm)	1,190 x 1,368 x 450	1,190 x 1,368 x 450	1,190 x 1,368 x 450	1,190 x 1,368 x 450
Appliance dry weight (kg)	115	135	165	188
BREEAM credits	n/a	n/a	n/a	n/a
NO _x emissions - NG mg/kWh (dry, 0% O ₂)	56	49	44	52
Noise levels dB(A) @ 1 metre	<59	<59	<59	<59
Electrical				
Nominal power supply	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz
Power consumption (W)	26-103	28-167	49-196	48-306



Full range of accessories available - including cascade kits, low loss headers and plate heat exchangers, flues and fluecades, system controls and pressurisation kits. Find out more at remeha.co.uk



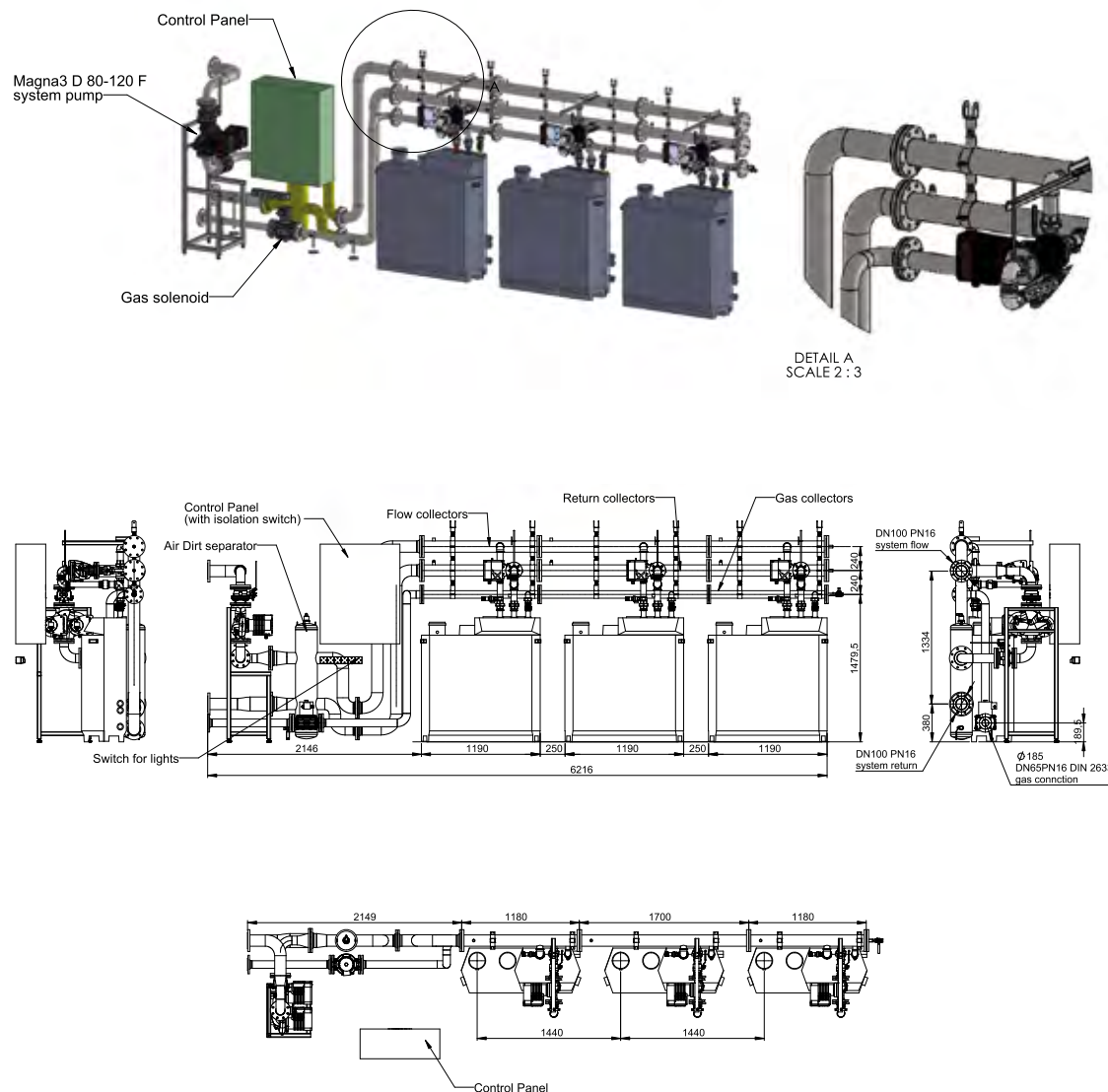
Gas 210 Ace bespoke rig systems

Supporting consultants in overcoming plant room limitations and tight deadlines.

remeha

BY **BAXI**

Bespoke rig systems:



These rigs are designed and manufactured to meet the exact requirements of each individual project so that they can be installed in a fraction of the time. This solution is particularly beneficial for organisations restricted to a small window of time in which to carry out installation.

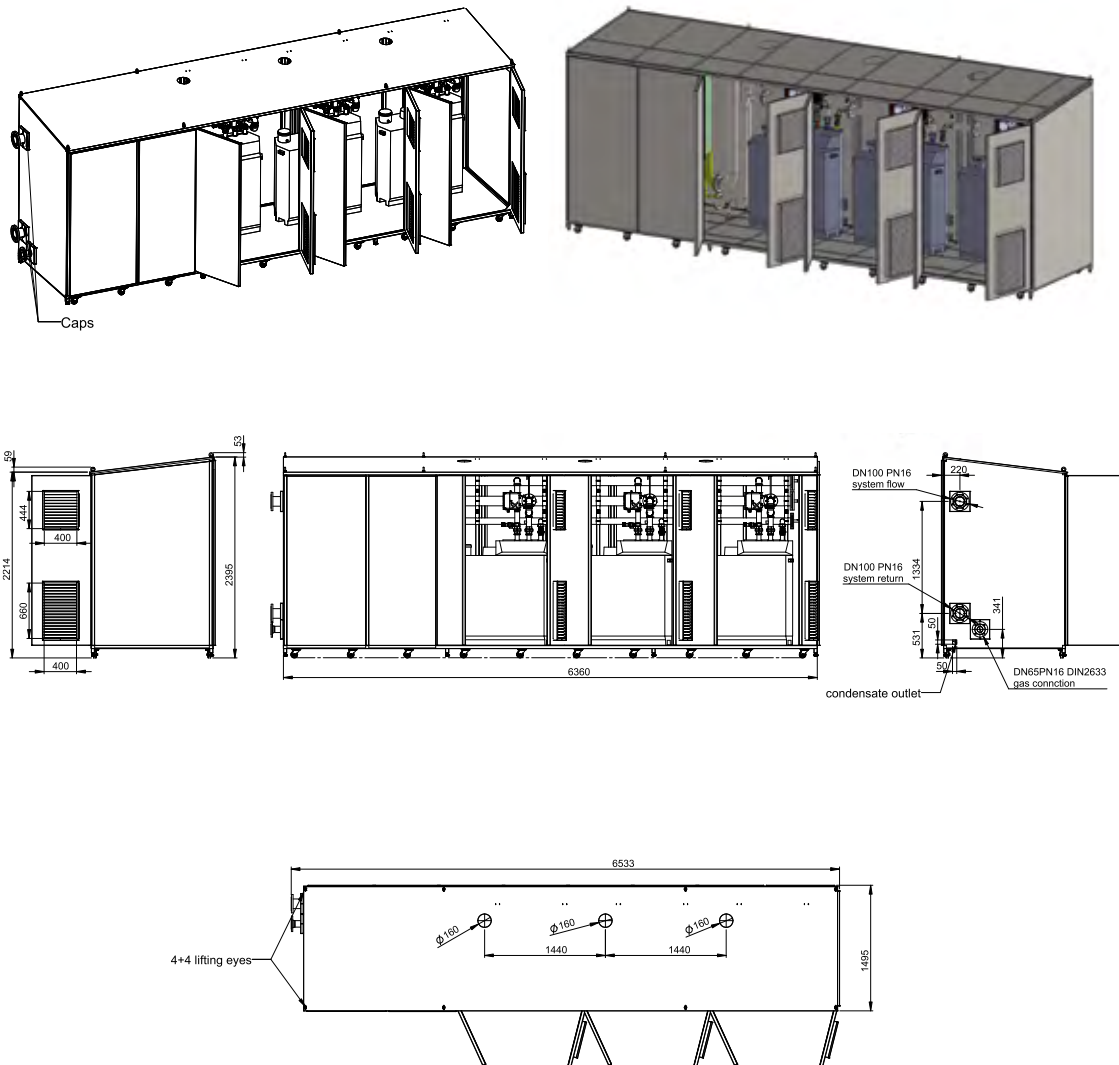
Gas 210 Ace bespoke rig systems

Supporting consultants in overcoming plant room limitations and tight deadlines.

remeha

BY **BAXI**

Bespoke rig systems with PHE:



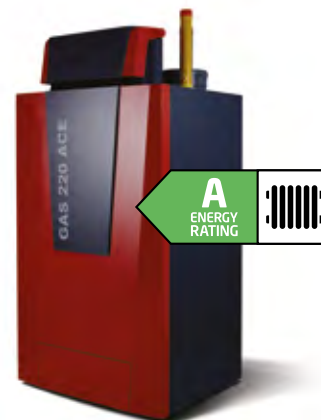
For more technical information, please visit remeha.co.uk



Floor Standing Boiler

Gas 220 Ace

A premium floor-standing, high-efficiency boiler with an innovative, lightweight aluminium monobloc design for flexible space-saving configurations.



remeha

BY **BAXI**



Pre-mix gas burner and one-piece cast aluminium heat exchanger



7 year parts and labour warranty*



Cascade capability - find out more on page 87

Technical information	Gas 220 Ace 160	Gas 220 Ace 200	Gas 220 Ace 250	Gas 220 Ace 300
Product code	7663312	7663313	7663316	7663317
Performance				
Nominal heat output central heating operation @ 80/60°C (kW) (min/max)	31.5-152.1	39.4-194.4	49.2-243.3	59.0-290.9
Nominal heat output central heating operation @ 50/30°C (kW) (max)	34.7-161.1	43.2-209.8	54.1-261.0	65.0-310.7
Part L2 seasonal efficiency	95.9%	95.5%	95.6%	95.8%
Efficiency - full load 100% NCV	97.5%	97.2%	97.3%	97.3%
Efficiency - part load 30% NCV	108.5%	108.0%	108.2%	108.4%
Gas				
Gas consumption NG (m³/hr)	3.4-16.5	4.2-21.2	5.3-26.5	6.4-31.6
Gas consumption LPG (m³/hr)	1.4-6.3	1.6-8.2	2.1-10.2	2.8-12.2
Hydraulics				
Nominal flow rate 20°C Δt (l/s)	1.82	2.33	2.91	3.48
Hydraulic resistance @ 20°C Δt (mbar)	190	100	150	200
Water content (litres)	17	33	33	33
Standard operating temperature (°C)	20-90	20-90	20-90	20-90
Min/max water operating pressure (bar)	0.8-5.0	0.8-6.0	0.8-6.0	0.8-6.0

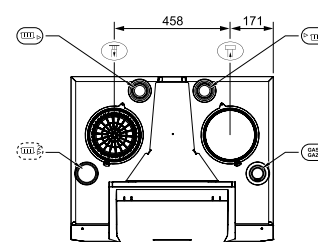
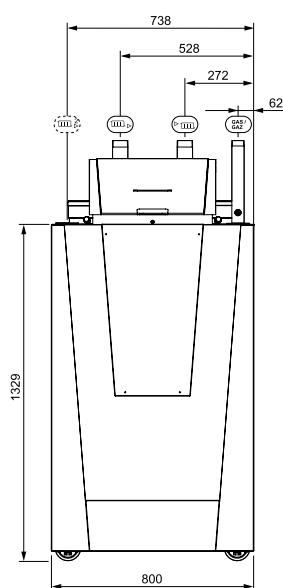
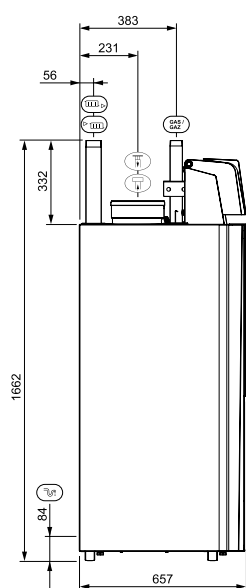
* Warranty subject to our commissioning.

For more technical information, please visit remeha.co.uk





General	Gas 220 Ace 160	Gas 220 Ace 200	Gas 220 Ace 250	Gas 220 Ace 300
Dimensions (W x H x D) (mm)	800 x 1,662 x 657	800 x 1,662 x 657	800 x 1,662 x 657	800 x 1,662 x 657
Appliance dry weight (kg)	205	245	245	245
BREEAM credits	n/a	n/a	n/a	n/a
NO _x emissions BREEAM - NG mg/kWh (dry, 0% O ₂) Class 6	22	40	38	35
Noise levels dB(A) @ 1 metre	58.7	59.7	63.8	63.8
Electrical	Gas 220 Ace 160	Gas 220 Ace 200	Gas 220 Ace 250	Gas 220 Ace 300
Nominal power supply	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz
Power consumption (W)	47-275	57-204	57-323	48-343



Full range of accessories available - including cascade kits, low loss headers and plate heat exchangers, flues and fluecades, system controls and pressurisation kits. Find out more at remeha.co.uk



Gas 220 Ace cascades

Summary of in-line and back-to-back cascade options.



BY BAXI

When installing two to eight boilers, our product range includes systems that are very comprehensive and easy to install. The hydraulic and gas system can be put together entirely without welding, using screw connections, compression connections and flanges. The individual components of the cascade system are available for independent cascade installation.

Gas 220 Ace cascade table dimensions DN 100

Boiler models	Cascade layout	Boiler modules	System connections EN1092 - 1	Gas connections EN1092 - 1	Dimensions W x D x H (mm)
All models	In-line	1	DN125 PN16 DIN 2633	DN65 PN16	2,245 x 874 x 2,282
All models	In-line	2	DN125 PN16 DIN 2633	DN65 PN16	3,145 x 874 x 2,282
All models	In-line	3	DN125 PN16 DIN 2633	DN65 PN16	4,045 x 874 x 2,282
All models	In-line	4	DN125 PN16 DIN 2633	DN65 PN16	4,945 x 874 x 2,282
All models	Back-to-back	2	DN125 PN16 DIN 2633	DN65 PN16	2,245 x 1,483 x 2,282
All models	Back-to-back	3	DN125 PN16 DIN 2633	DN65 PN16	3,145 x 1,483 x 2,282
All models	Back-to-back	4	DN125 PN16 DIN 2633	DN65 PN16	3,145 x 1,483 x 2,282
160, 200, 250	Back-to-back	5	DN125 PN16 DIN 2633	DN65 PN16	4,045 x 1,483 x 2,282
160, 200	Back-to-back	6	DN125 PN16 DIN 2633	DN65 PN16	4,045 x 1,483 x 2,282
160	Back-to-back	7	DN125 PN16 DIN 2633	DN65 PN16	4,945 x 1,483 x 2,282

Gas 220 Ace cascade table dimensions DN 150

Boiler models	Cascade layout	Boiler modules	System connections EN1092 - 1	Gas connections EN1092 - 1	Dimensions W x D x H (mm)
300	Back-to-back	5	DN125 PN16 DIN 2633	DN100 PN16	4,273 x 1,594 x 2,386
250, 300	Back-to-back	6	DN125 PN16 DIN 2633	DN100 PN16	4,273 x 1,594 x 2,386
200, 250, 300	Back-to-back	7	DN125 PN16 DIN 2633	DN100 PN16	5,173 x 1,594 x 2,386
All models	Back-to-back	8	DN125 PN16 DIN 2633	DN100 PN16	5,173 x 1,594 x 2,386

Notes: A technical clearance of at least 1,100mm is required at the front (service side) of the boilers. Refer to our Building Information Model (BIM) files for dimensional clearances around the cascade system. A minimum clearance of 100mm is required for the last boiler opposite the low loss header. A minimum clearance of 50mm is required at the back of the cascade boilers (In-line boilers only).

For more technical information, please visit remeha.co.uk

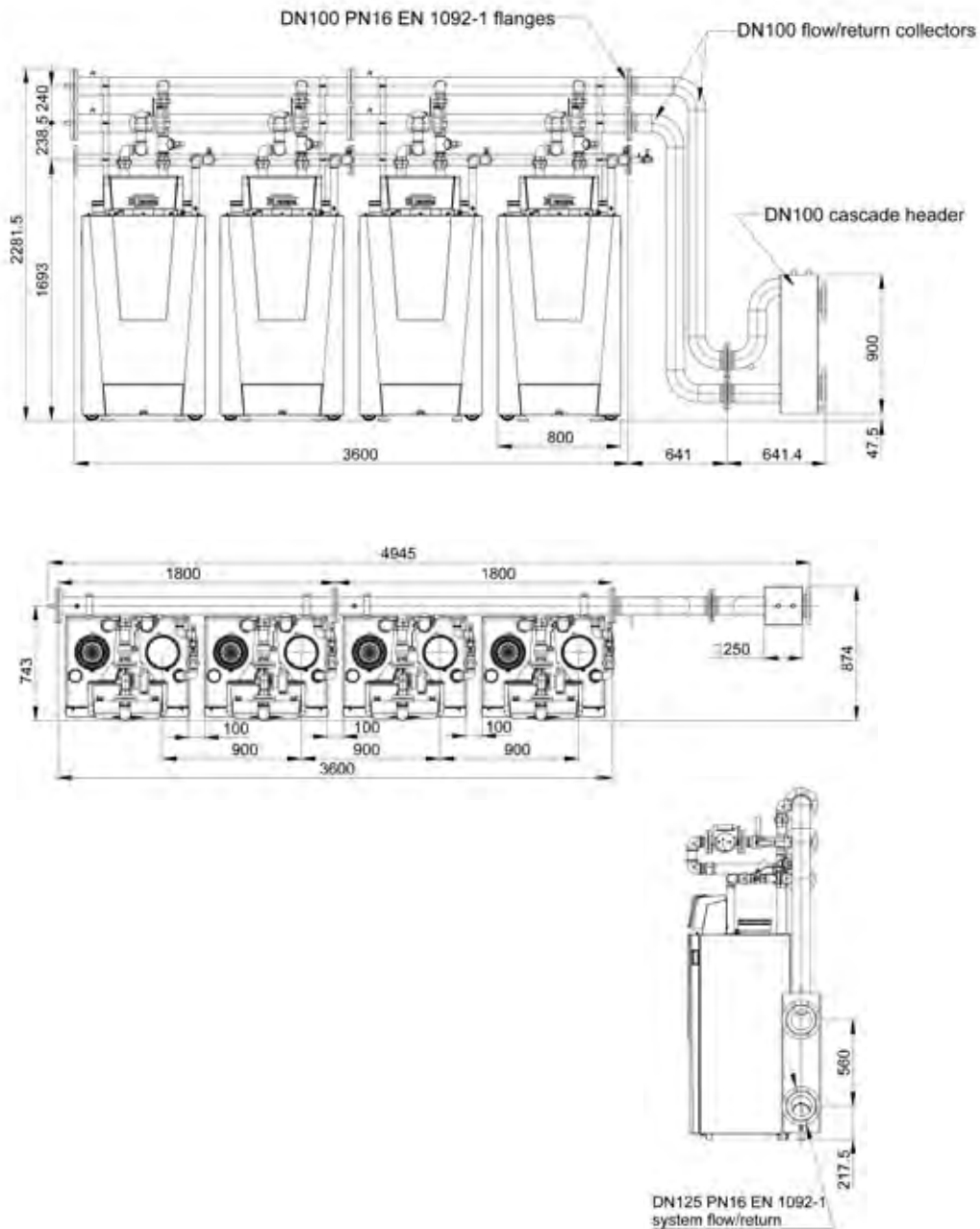


Gas 220 Ace cascades

In-line cascade option for four boilers.

remeha

BY **BAXI**

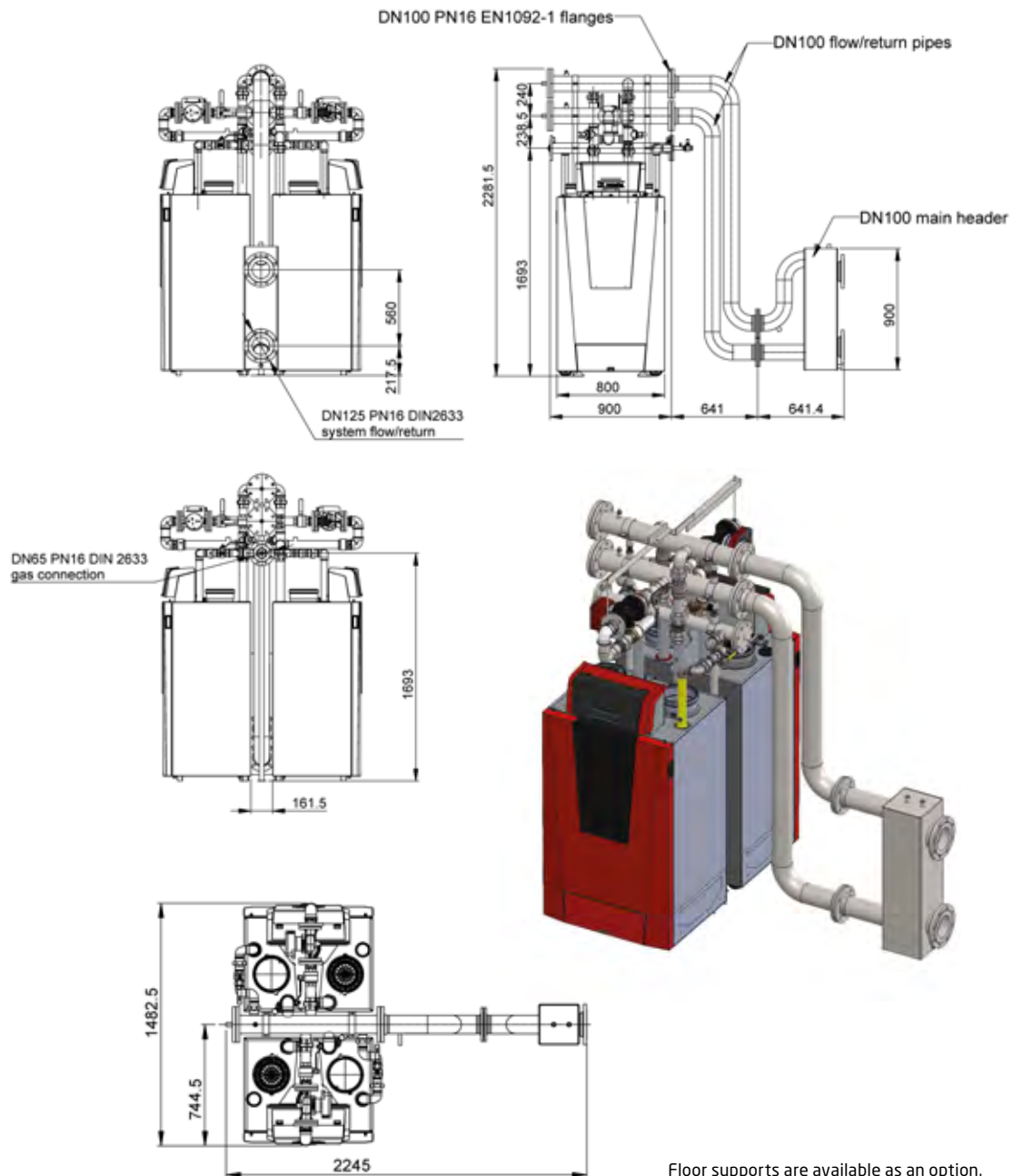


Gas 220 Ace cascades

Back-to-back cascade option for two boilers.

remeha

BY **BAXI**



Floor supports are available as an option.
They are not included in the standard kit.

For more technical information, please visit remeha.co.uk

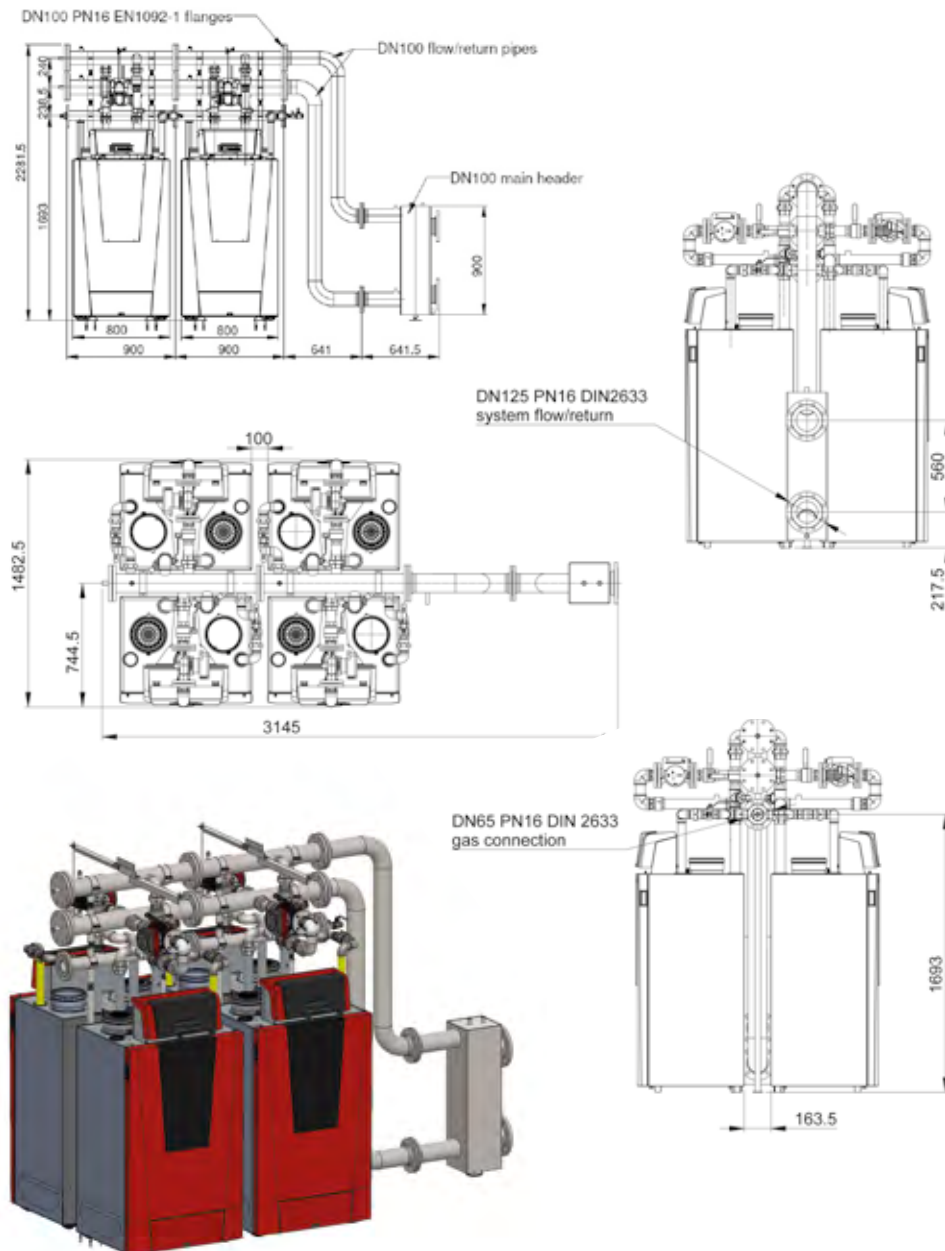


Gas 220 Ace cascades

Back-to-back cascade option for four boilers.

remeha

BY **BAXI**



Floor supports are available as an option.
They are not included in the standard kit.

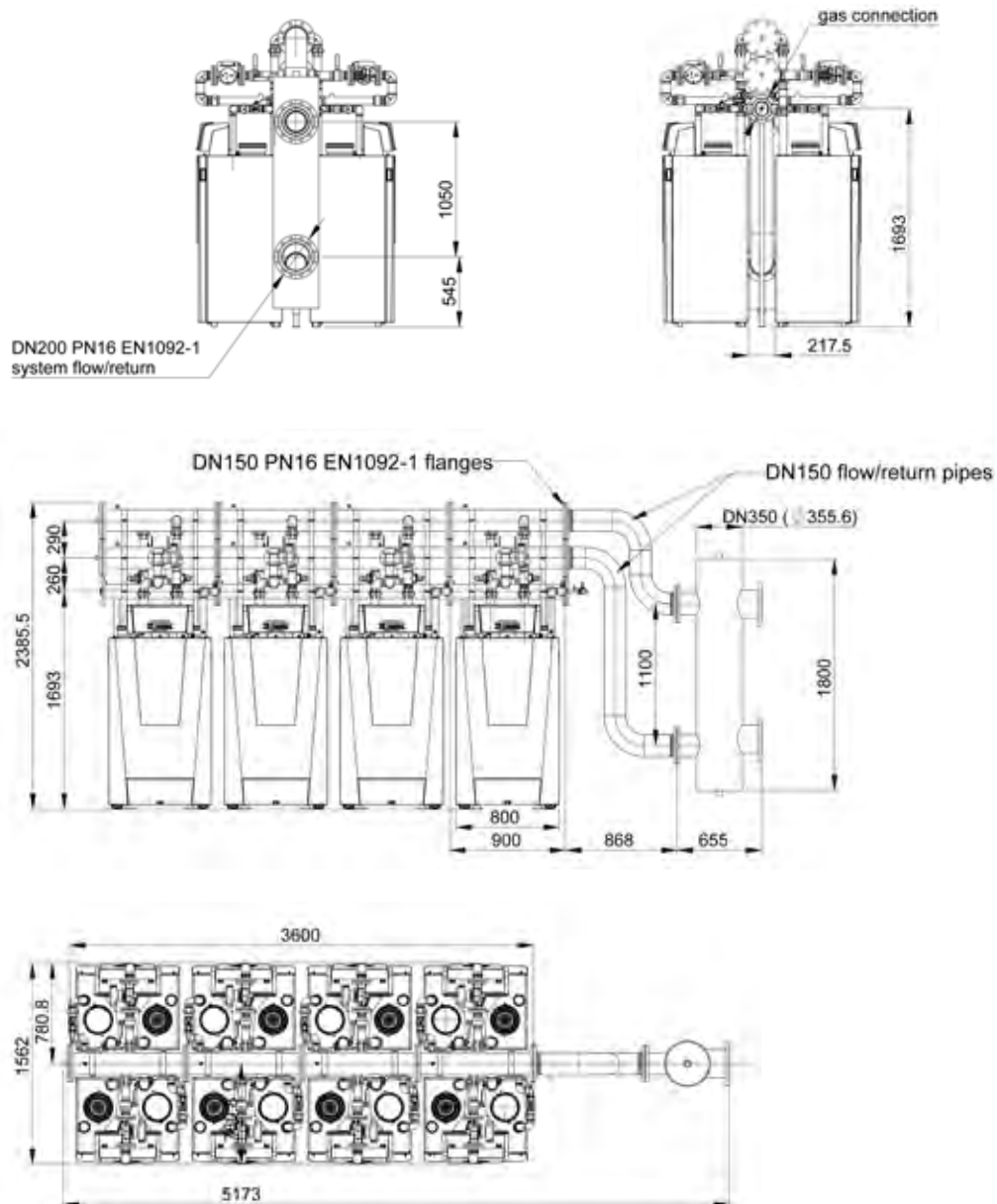


Gas 220 Ace cascades

Back-to-back cascade option for eight boilers.

remeha

BY **BAXI**



Floor supports are available as an option.
They are not included in the standard kit.

For more technical information, please visit remeha.co.uk



Floor Standing Boiler

Gas 320 Ace

Pre-assembled, free-standing, high-efficiency condensing boiler range, delivered on wheels for easy manoeuvrability into the plant room.



remeha

BY **BAXI**



Pre-mix gas burner and one-piece cast aluminium heat exchanger



7 year parts and labour warranty*



Secondary returns available**

Technical information	Gas 320 Ace 5 Section	Gas 320 Ace 6 Section	Gas 320 Ace 7 Section	Gas 320 Ace 8 Section	Gas 320 Ace 9 Section	Gas 320 Ace 10 Section
Nominal heat output central heating operation @ 80/60°C (kW) (min/max)	51-260.7	64.8-326.7	78.6-394.8	91.5-461.0	105.5-530.4	118.7-600.9
Nominal heat output central heating operation @ 50/30°C (kW) (max)	278.8	350.3	424.5	497.1	573.5	651.5
SBEM seasonal efficiency GCV	96.48%	96.34%	96.19%	96.05%	95.89%	95.75%
Efficiency - full load 100% NCV	98.00%	98.10%	98.20%	98.30%	98.40%	98.50%
Efficiency - Part load 30% NCV	109.20%	109.00%	108.80%	108.60%	108.30%	108.10%
Gas consumption NG (m³/hr)	5.7-28.1	7.2-35.2	8.7-42.5	10.1-49.6	11.5-57.0	12.9-64.6
Gas consumption LPG (m³/hr)	n/a	n/a	n/a	n/a	n/a	n/a
Nominal flow rate 20°C Δt (l/s)	3.1	3.9	4.7	5.5	6.3	7.1
Hydraulic resistance @ 20°C Δt (mbar)	113	110	120	110	125	130
Water content (litres)	49	60	71	82	93	104
Standard operating temperature (°C)	20-90	20-90	20-90	20-90	20-90	20-90
Min/max water operating pressure (bar)	0.8-7.0	0.8-7.0	0.8-7.0	0.8-7.0	0.8-7.0	0.8-7.0
Dimensions (W x H x D) (mm)	707 x 1,550 x 1,862	707 x 1,550 x 1,862	707 x 1,550 x 1,862	707 x 1,550 x 2,172	707 x 1,550 x 2,172	707 x 1,550 x 2,172
Appliance dry weight (kg)	366	400	435	497	533	570
BREEAM credits***	2	2	2	2	2	2
NO _x annual emissions BREEAM EN15502 - NG mg/kWh (dry, 0% O ₂) Class 6	15	16	16	17	18	18
Noise levels dB(A) @ 1 metre	55.7	55.7	55.7	55.7	55.7	55.7
Nominal power supply	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz
Power consumption (W)	10-280	9-345	10-450	10-576	10-768	10-720

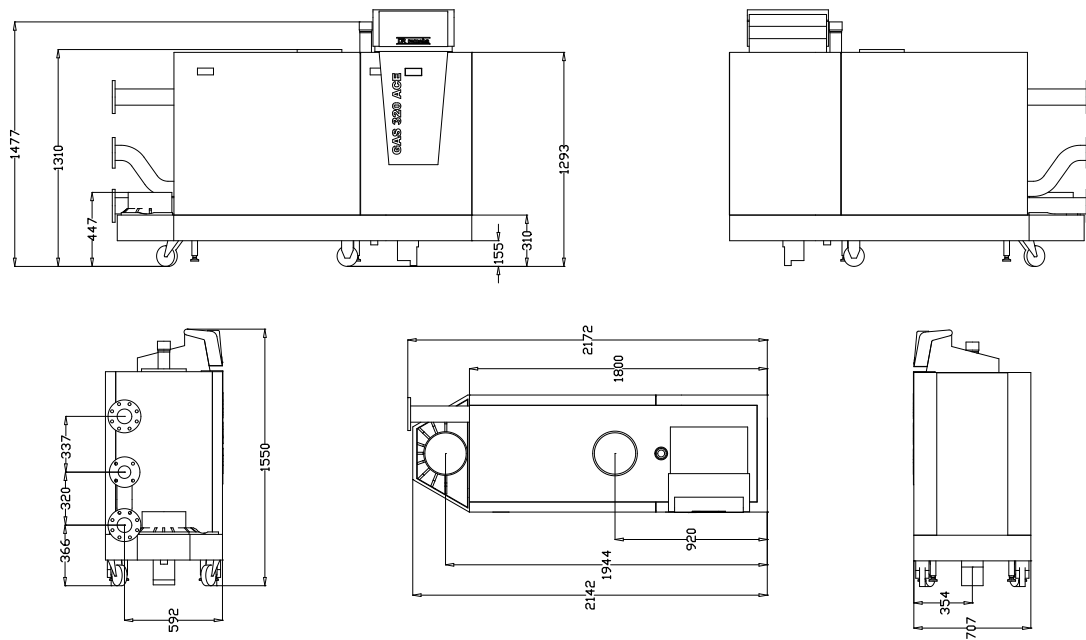
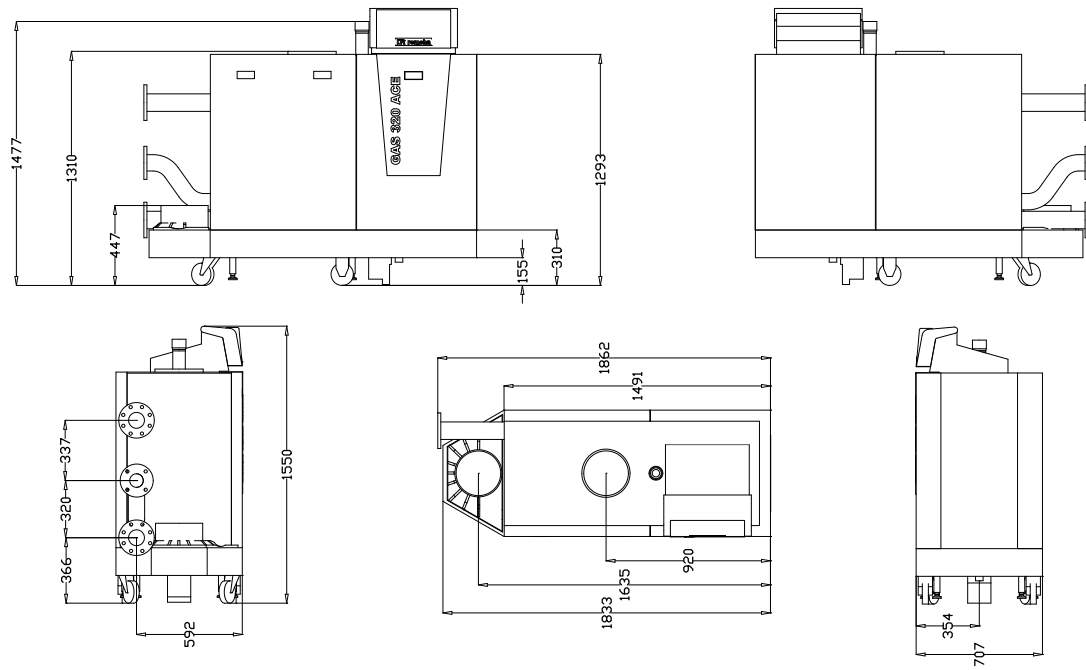
* Warranty subject to our commissioning.

** For more information about second returns, please speak to your Baxi expert.

*** Two BREEAM credits when the boiler is configured at commissioning, as per commissioning instructions.

For more technical information, please visit remeha.co.uk





Right hand connections

Product code

Left hand connections

Product code

Gas 320 Ace 5 section

7752866-01

Gas 320 Ace 5 section

7752866-02

Gas 320 Ace 6 section

7752867-01

Gas 320 Ace 6 section

7752867-02

Gas 320 Ace 7 section

7752868-01

Gas 320 Ace 7 section

7752868-02

Gas 320 Ace 8 section

7752869-01

Gas 320 Ace 8 section

7752869-02

Gas 320 Ace 9 section

7752870-01

Gas 320 Ace 9 section

7752870-02

Gas 320 Ace 10 section

7752871-01

Gas 320 Ace 10 section

7752871-02

Full range of accessories available - including cascade kits, low loss headers and plate heat exchangers, flues and fluecades, system controls and pressurisation kits. Find out more at remeha.co.uk



Floor Standing Boiler

Gas 620 Ace

Pre-assembled, free-standing, high-efficiency condensing boiler range, delivered on wheels for easy manoeuvrability into the plant room.



remeha

BY **BAXI**



Pre-mix gas burner and one-piece cast aluminium heat exchanger



7 year parts and labour warranty*



Secondary returns available**

Technical information	Gas 620 Ace 5 Section	Gas 620 Ace 6 Section	Gas 620 Ace 7 Section	Gas 620 Ace 8 Section	Gas 620 Ace 9 Section	Gas 620 Ace 10 Section
Product code	7752872	7752873	7752874	7752876	7752877	7752878
Performance						
Nominal heat output central heating operation @ 80/60°C (kW) (min/max)	75.8-521.4	86.7-653.3	122.6-789.5	122.3-922.1	148.1-1,060.8	165.4-1,201.7
Nominal heat output central heating operation @ 50/30°C (kW) (max)	557.50	700.60	849.00	994.30	1,147.00	1,303.00
SBEM seasonal efficiency GCV	96.48%	96.34%	96.19%	96.05%	95.89%	95.75%
Efficiency - full load 100% NCV	98.00%	98.10%	98.20%	98.30%	98.40%	98.50%
Efficiency - part load 30% NCV	109.20%	109.00%	108.80%	108.60%	108.30%	108.10%
Gas						
Gas consumption NG (m³/hr)	8.5-56.3	9.6-70.5	13.5-85.1	13.4-99.3	16.2-114.1	18-129.1
Gas consumption LPG (m³/hr)	n/a	n/a	n/a	n/a	n/a	n/a
Hydraulics						
Nominal flow rate 20°C Δt per module (l/s)	3.1	3.9	4.7	5.5	6.3	7.1
Hydraulic resistance @ 20°C Δt per module (mbar)	113	110	120	110	125	130
Water content (litres)	49	60	71	82	93	104
Standard operating temperature (°C)	20-90	20-90	20-90	20-90	20-90	20-90
Min/max water operating pressure (bar)	0.8-7.0	0.8-7.0	0.8-7.0	0.8-7.0	0.8-7.0	0.8-7.0
Power consumption (W)	20-560	18-690	20-900	20-1,152	20-1,536	20-1,440

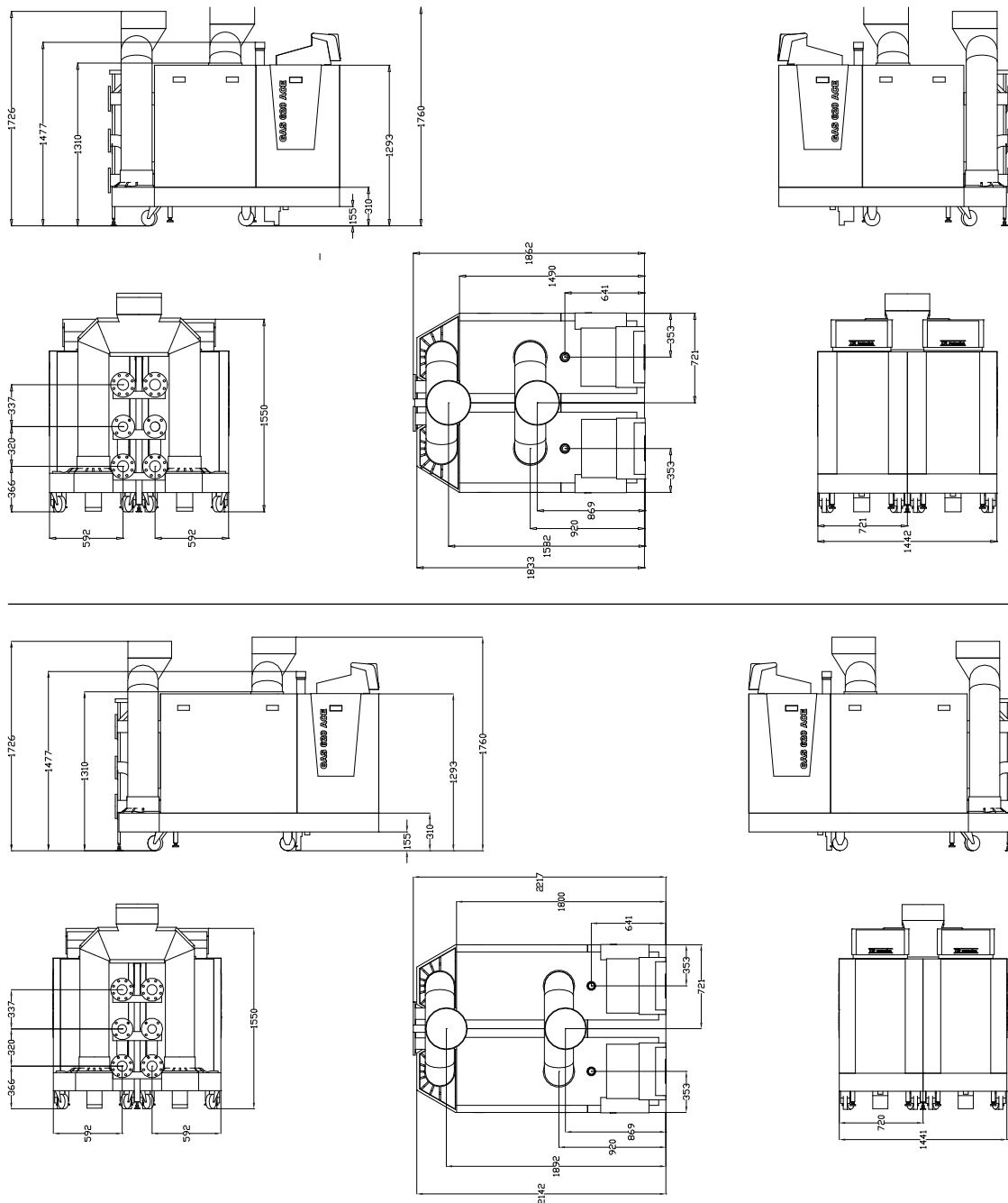
* Warranty subject to our commissioning.

** For more information about second returns, please speak to your Baxi expert.

*** Two BREEAM credits when the boiler is configured at commissioning, as per commissioning instructions.

For more technical information, please visit remeha.co.uk





General	Gas 620 Ace 5 Section	Gas 620 Ace 6 Section	Gas 620 Ace 7 Section	Gas 620 Ace 8 Section	Gas 620 Ace 9 Section	Gas 620 Ace 10 Section
Dimensions (W x H x D) (mm)	1,442 x 1,550 x 1,862	1,442 x 1,550 x 1,862	1,442 x 1,550 x 1,862	1,442 x 1,550 x 2,172	1,442 x 1,550 x 2,172	1,442 x 1,550 x 2,172
Appliance dry weight (kg)	711	775	841	961	1,029	1,099
BREEAM credits***	2	2	2	2	2	2
NO _x annual emissions BREEAM EN15502 - NG mg/kWh (dry, 0% O ₂) Class 6	15	16	16	17	18	18
Noise levels dB(A) @ 1m	58.1	58.1	58.1	57.8	57.8	57.8
Electrical						
Nominal power supply	2 x 230V x 1ph x 50Hz	2 x 230V x 1ph x 50Hz	2 x 230V x 1ph x 50Hz	2 x 230V x 1ph x 50Hz	2 x 230V x 1ph x 50Hz	2 x 230V x 1ph x 50Hz
Power consumption (W)	20-560	18-690	20-900	20-1,152	20-1,536	20-1,440

Full range of accessories available - including cascade kits, low loss headers and plate heat exchangers, flues and fluecades, system controls and pressurisation kits. Find out more at remeha.co.uk



Floor Standing Boiler

Sirius three FS

Suitable for a range of projects including large domestic properties, small commercial premises and medium to large-sized applications.

POTTERTON
COMMERCIAL



**Lightweight
stainless steel
heat exchanger**



**5 year parts
and labour
warranty***



**Cascade capability
- find out more on
page 98**

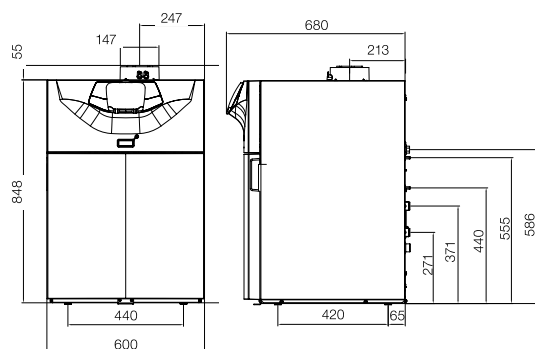
Technical information	Sirius three FS 50	Sirius three FS 70	Sirius three FS 90	Sirius three FS 110	Sirius three FS 130	Sirius three FS 150	Sirius three FS 200	Sirius three FS 250
Product code	7612359	7612361	7612362	7612364	7689660	7689661	7689662	7689663
Performance								
Nominal heat output central heating operation @ 80/60°C (kW)	45.1	65.1	85.1	102	121.5	140.3	185.9	232.8
Nominal heat output central heating operation @ 50/30°C (kW)	48.6	70.3	91.8	110.2	130.6	150.9	200	250
Part L2 seasonal efficiency	97.10%	96.90%	97.00%	96.90%	97.30%	97.30%	97.50%	97.50%
Efficiency - full load 100% GCV	87.80%	87.60%	87.70%	87.60%	88.40%	88.40%	87.70%	87.40%
Efficiency - part Load 30% GCV	97.10%	96.80%	96.90%	96.80%	97.80%	97.80%	98.30%	98.30%
Gas								
Gas consumption NG (m³/hr)	4.9	7.07	9.25	11.1	13.1	15.1	20.2	25.4
Gas consumption LPG (m³/hr)	3.59	5.19	6.79	8.15	9.8	11.3	14.8	18.6
Hydraulics								
Nominal flow rate 20°C Δt (l/s)	0.54	0.78	1.02	1.22	1.56	1.80	2.39	2.99
Hydraulic resistance @ 20°C Δt (kPa)	54	32	22	22	41	41	41	41
Water content (litres)	3	5	9	10	10	11	13	15
Maximum operating temperature (°C)	85	85	85	85	85	85	85	85
Min/max water operating pressure (bar)	1.0-4.0	1.0-4.0	1.0-4.0	1.0-4.0	1.0-6.0	1.0-6.0	1.0-6.0	1.0-6.0

* Warranty subject to our commissioning.

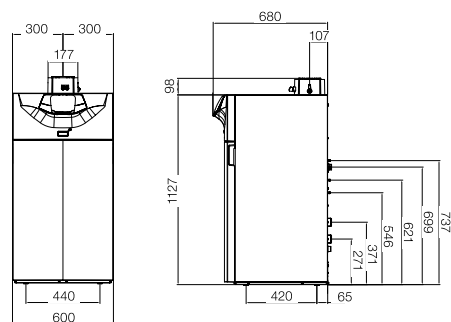
For more technical information, please visit pottertoncommercial.co.uk



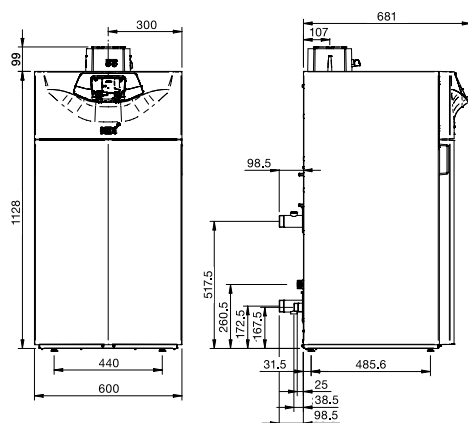
Sirius three FS 50/70kW



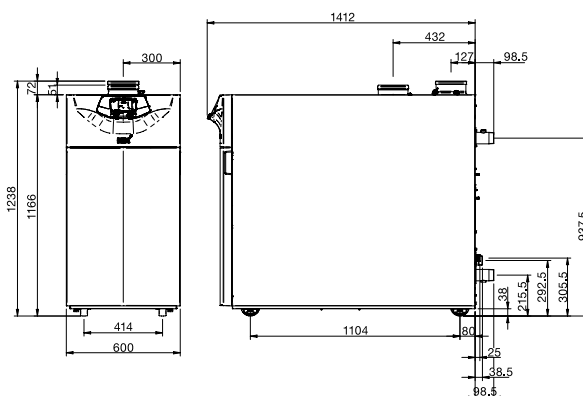
Sirius three FS 50/110kW



Sirius three FS 130/150kW



Sirius three FS 200/250kW



General	Sirius three FS 50	Sirius three FS 70	Sirius three FS 90	Sirius three FS 110	Sirius three FS 130	Sirius three FS 150	Sirius three FS 200	Sirius three FS 250
Dimensions (W x H x D) (mm)	600 x 903 x 680	600 x 903 x 680	600 x 1,127 x 680	600 x 1,127 x 680	600 x 1,227 x 681	600 x 1,227 x 681	600 x 1,238 x 1,410	600 x 1,238 x 1,410
Appliance dry weight (kg)	60	70	104	109	126	132	212	232
BREEAM credits	1	1	1	2	2	2	1	1
NO _x emissions BREEAM EN15502 - NG mg/kWh (dry, 0% O ₂) Class 6	27	31	36	22	17	23	37	39
Noise levels dB(A) @ 1m	61	64	N/A	N/A	60	63	65	68
Electrical								
Nominal power supply	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz	230V x 1ph x 50Hz
Power consumption (W)	100	117	146	185	187	283	242	369

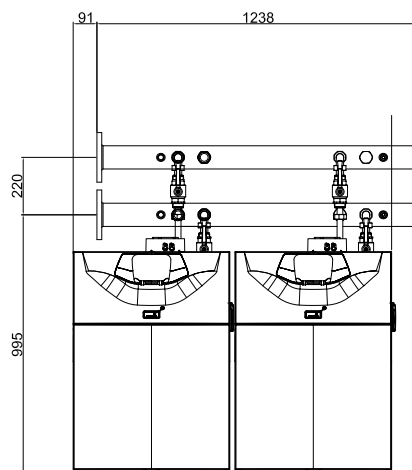
Full range of accessories available - including cascade kits, low loss headers and plate heat exchanger kits, flues and fluecades, and system controls. Find out more at pottertoncommercial.co.uk



Cascades

Sirius three FS cascades

Floor-standing pipework kit spreading heat demand across up to four boilers, delivering a maximum output of 1MW and a modulation ratio of up to 9:1 per boiler.



Product codes - including corner pieces

Item	Number of boilers	Product code
Sirius three FS cascade pipework system - 50 and 70kW models	2 x 50/70kW Excl LLH	5142770
Sirius three FS cascade pipework system - 50 and 70kW models	3 x 50/70kW Excl LLH	5142771
Sirius three FS cascade pipework system - 50 and 70kW models	4 x 50/70kW Excl LLH	5142772
Sirius three FS cascade pipework system - 90 and 110kW models	2 x 90/110kW Excl LLH	5142773
Sirius three FS cascade pipework system - 90 and 110kW models	3 x 90/110kW Excl LLH	5142774
Sirius three FS cascade pipework system - 90 and 110kW models	4 x 90/110kW Excl LLH	5142775
Sirius three FS cascade pipework system - 130 and 150kW models	2 x 130kW Inc LLH	7718407
Sirius three FS cascade pipework system - 130 and 150kW models	3 x 130kW Inc LLH	7718408
Sirius three FS cascade pipework system - 130 and 150kW models	4 x 130kW Inc LLH	7718409
Sirius three FS cascade pipework system - 130 and 150kW models	2 x 150kW Inc LLH	7718410
Sirius three FS cascade pipework system - 130 and 150kW models	3 x 150kW Inc LLH	7718411
Sirius three FS cascade pipework system - 200 and 250kW models	2 x 200kW Inc LLH	7718412
Sirius three FS cascade pipework system - 200 and 250kW models	3 x 200kW Inc LLH	7718413
Sirius three FS cascade pipework system - 200 and 250kW models	2 x 250kW Inc LLH	7718415
Sirius three FS cascade pipework system - 130 and 150kW models	2 x 130kW Exc LLH	7730645
Sirius three FS cascade pipework system - 130 and 150kW models	3 x 130kW Exc LLH	7737682
Sirius three FS cascade pipework system - 130 and 150kW models	4 x 130kW Exc LLH	7737683
Sirius three FS cascade pipework system - 130 and 150kW models	2 x 150kW Exc LLH	7737684
Sirius three FS cascade pipework system - 130 and 150kW models	3 x 150kW Exc LLH	7737685
Sirius three FS cascade pipework system - 200 and 250kW models	2 x 200kW Exc LLH	7737686
Sirius three FS cascade pipework system - 200 and 250kW models	3 x 200kW Exc LLH	7737687
Sirius three FS cascade pipework system - 200 and 250kW models	4 x 200kW Exc LLH	7718414
Sirius three FS cascade pipework system - 200 and 250kW models	2 x 250kW Exc LLH	7737686
Sirius three FS cascade pipework system - 200 and 250kW models	3 x 250kW Exc LLH	7718416
Sirius three FS cascade pipework system - 200 and 250kW models	4 x 250kW Exc LLH	7718417

For more technical information, please visit pottertoncommercial.co.uk





Sirius three FS low loss header and plate heat exchanger kits

Fitting a low loss header allows the boiler to maintain the correct flow of water constantly, ensuring maximum reliability and efficiency. Plate heat exchangers provide a complete hydraulic separation between the boiler and the system. This protects the boiler from old and potentially contaminated system water, whilst also allowing our boilers to be fitted to open vented and reduced delta T systems.

Potterton Commercial offers a range of low loss header and plate heat exchanger solutions for a single boiler appliance for use with the Sirius three FS. These accessories are easily integrated into the boiler. They are supplied with boiler case extension panels which conceal the low loss header or plate heat exchanger arrangement.



Item	Number of boilers	Boiler output	Product code
Sirius three FS - low loss header kit (50 and 70kW)	1	50/70kW	7695069
Sirius three FS - low loss header kit (90 and 110kW)	1	90/110kW	7698937
Sirius three FS - low loss header kit (130 and 150kW)	1	130/150kW	7663934
Sirius three FS - low loss header kit (200 and 250kW)	1	200/250kW	7672216
Sirius three FS - plate to plate HEX kit (130 and 150kW)	1	130/150kW	7680549
Sirius three FS - plate to plate HEX kit (200 and 250kW)	1	200/250kW	7680558

For more technical information, please visit pottertoncommercial.co.uk



P Series

Our range of three-pass cast iron sectional boilers, perfect for use with gas and dual fuel through a pressure jet burner for commercial and industrial applications.



P Series P420

Technical information	9 section	10 section	11 section	12 section	13 section	14 section
Product codes (boiler only)	P42009	P42010	P42011	P42012	P42013	P42014
Nominal heat output central heating operation @ 80/60°C (kW) (max)	450	540	600	670	720	780
Nominal flow rate @ 20°C ΔT (l/s)	5.38	6.45	7.17	8.0	8.6	9.32
Efficiency - full load 100% NCV (ave.)	88	88	88	88	88	88
Seasonal efficiency GCV (average)	82.2	82.2	82.2	82.2	82.2	82.2
Flue (conventional connection)						
Flue diameter (mm) I/D	250	250	300	300	300	300
Chamber resistance (mbar)	+1.5	+2.0	+2.5	+2.5	+2.5	+3.5
Flue gas flow rate (kg/h) gas	810	972	1,080	1,207	1,297	1,450
Flue gas flow rate kg/h oil (full output 80/60°C)	750	900	1,000	1,116	1,200	1,405
Average flue gas temperature boiler temperature 80°C	<220	<220	<220	<220	<220	<220

P Series P520

Technical information	13 section	15 section	17 section	19 section	21 section	23 section	25 section
Product codes (boiler only)	P52013	P52015	P52017	P52019	P52021	P52023	P52025
Nominal heat output central heating operation @ 80/60°C (kW) (max)	754	870	986	1,102	1,218	1,334	1,450
Nominal flow rate @ 20°C ΔT (l/s)	9.01	10.39	11.78	13.16	14.55	15.93	17.32
Efficiency - full load 100% NCV (ave.)	90.7	90	90	90	90	90	90
Seasonal efficiency GCV (average)	84.1	84.3	84.3	84.5	84.5	84.2	84.8
Flue (conventional connection)							
Flue diameter (mm) I/D	350	400	400	400	Max 500 x 700mm [#]	Max 500 x 700mm [#]	Max 500 x 700mm [#]
Chamber resistance (mbar)	+2.2	+2.4	+2.6	+2.85	+3.1	+3.3	+3.5
Flue gas flow rate (kg/h) gas	1,120	1,280	1,440	1,590	1,750	1,910	2,070
Flue gas flow rate kg/h oil (full output 80/60°C)	1,070	1,220	1,370	1,520	1,670	1,820	1,970
Average flue gas temperature boiler temperature 80°C	<190	<190	<190	<190	<190	<190	<190

Boiler design and availability

Compact yet extremely powerful, the P Series is available in two ranges: **P420** and **P520** (the P320 is suitable for replacement projects only).

Designed on the basis of the triple-pass principle to achieve maximum efficiency, while the generously sized chamber allows optimal combustion and minimum NO_x and CO₂ emissions.

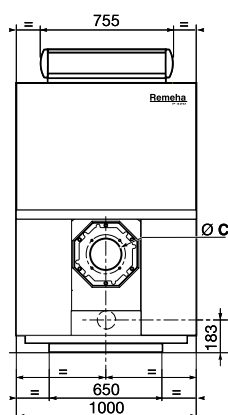
The current wait time is **14 weeks**.

Boiler construction

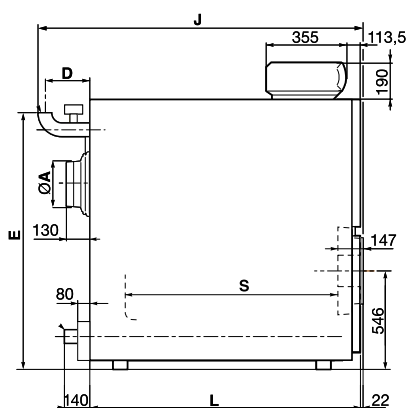
The main boiler casing is sheet steel with a powder-coated enamel finish complete with 80-100mm thick steel wool insulation. The heat exchanger is manufactured from corrosion-resistant eutectic cast iron. The instrument panel contains all the necessary control and measuring instruments required to control the boiler with the external connections on a terminal strip.

P Series P420 dimensions and connections

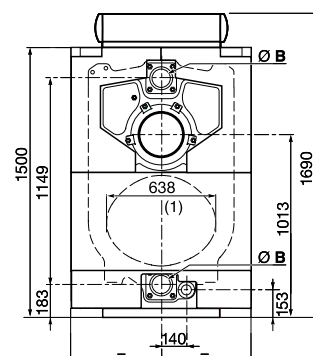
Dimensions	9 section	10 section	11 section	12 section	13 section	14 section
ØA (mm)	250	250	300	300	300	300
ØB (inch)	2.5	2.5	3	3	3	3
ØC (mm)*	Plate intact or pre-drilled to the diameter specified on order					
D (mm)	235	235	254	254	254	254
E (mm)	1,427	1,427	1,447	1,447	1,447	1,447
J (mm)	1,950	2,120	2,305	2,465	2,625	2,785
L (mm)	1,665	1,825	1,985	2,145	2,305	2,465
S (mm)	1,343	1,503	1,663	1,823	1,983	2,143



Front view



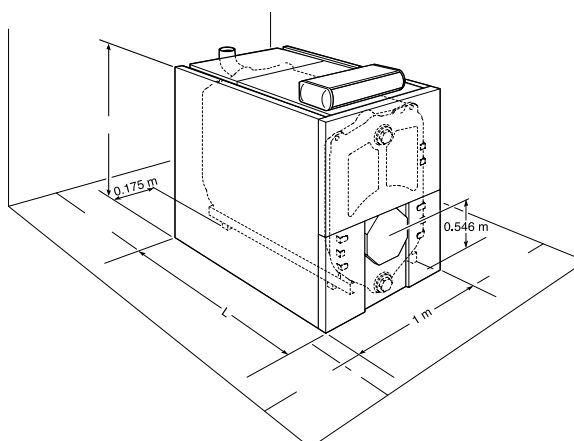
Side view



Rear view

The Remeha by Baxi P420 boilers do not require a special base for their assembly. Their closed furnace system means that the floor does not need to have refractory properties.

Ensure that the floor can support the weight of the boiler when it's fitted for operation. If the boiler location is not determined precisely, leave enough space around the boiler to facilitate monitoring and maintenance operations.

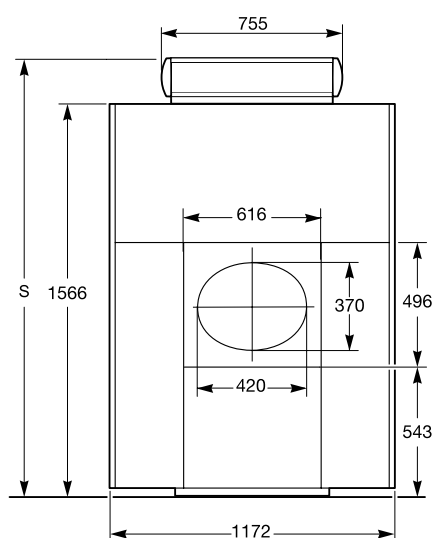


* Cut flue plain plate as required.

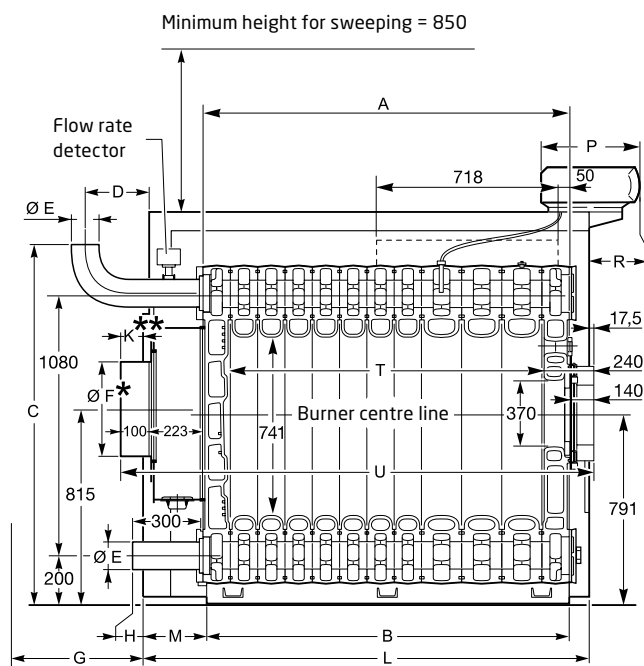
* C min = 1.5 mtrs min and max dependent on make and model of burner.

P Series P520 dimensions and connections

Dimensions	13 section	15 section	17 section	19 section	21 section	23 section	25 section
A (mm)	1,563	1,785	2,007	2,229	2,491	2,713	2,935
B (mm)	1,522	1,744	1,966	2,188	2,450	2,672	2,894
C (mm)	1,488	1,488	1,488	1,504	1,504	1,504	1,504
D (mm)	256	188	210	257	209	231	253
ØE (weld) (mm)	139.7	139.7	139.7	159	159	159	159
ØF (mm)	350	400	400	400	*	*	*
G# (mm)	-	150	370	370	650	980	980
H (mm)	37	-31	-9	13	-35	-13	9
K** (mm)	49	-19	3	25	-23	-1	21
L (mm)	1,955	2,245	2,445	2,645	2,955	3,155	3,355
M (mm)	275	324	321	299	324	324	303
P (mm)	355	355	355	355	355	355	355
R (mm)	175	175	175	175	175	175	175
S (mm)	1,760	1,760	1,760	1,760	1,760	1,760	1,760
T (mm)	1,372	1,594	1,816	2,038	2,300	2,522	2,744
U (mm)	2,021.5	2,243.5	2,465.5	2,687.5	2,949.5	3,171.5	3,393.5

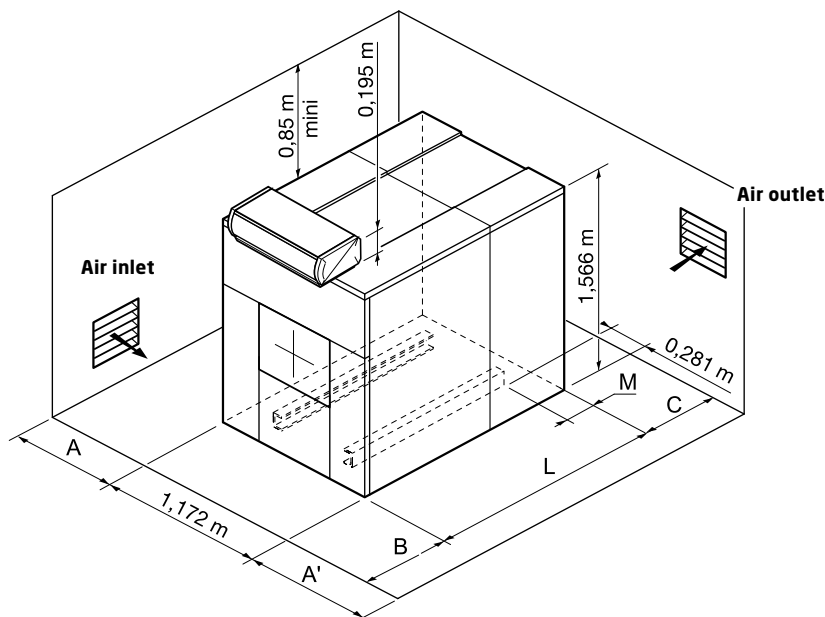


Front view

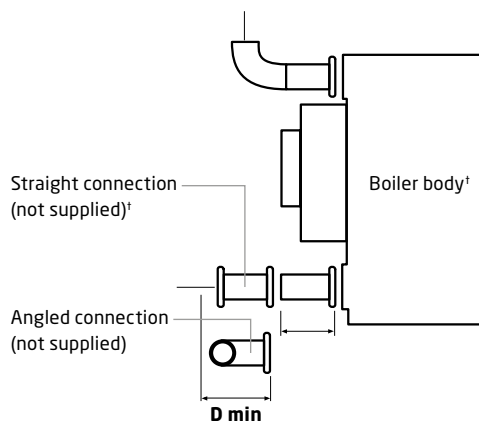


Side view

A mounting plate needs to be made to the burner manufacturer's dimensional requirements.



Dimensions	13 section	15 section	17 section	19 section	21 section	23 section	25 section
A (mm)	1,955	2,245	2,445	2,645	2,955	3,155	3,355
B (mm)	275	324	321	299	324	324	303
C min (mm)	300	436	656	656	936	1,266	1,266
D min (mm)	-	136	356	356	636	966	966



For the assembly and because of their design, P520 boilers require no special base. Their closed furnace system means that the floor does not need to have refractory properties.

Ensure is that the floor can support the weight of the boiler when it is fitted for operation. If the boiler location is not determined precisely, leave enough space around the boiler to facilitate monitoring and maintenance operations.

G = Length required for clearing the water distributing tube. Note: with models P 520-21, P 520-23 and P 520-25, a plain plate which must be cut out is supplied without the 100mm chimney connection.

* Plain plate, requires cutting. Maximum cut-out 500 x 700.

** Dimension representing the end of the 100mm long chimney connection.

† In order to facilitate subsequent work on the boiler (replacing the water distributing tube etc.) use a flanged connection from the boiler to the system, making sure you comply with minimum clearance dimension D. If A = 1.2m (door opening side), A' = 0.5m. If A = 0.5m, A' = 1.2m (door opening side): adapt the dimensions on the basis of the dimensions of the burner when the door is open. B = 1.5m: adapt the dimensions on the basis of the dimensions of the burner.



Controls and service kits

Our range of controls and service kits are designed to improve the performance and efficiency of our products, whilst making them easier to use, and to maintain.



Controls

iSense

Single boiler control

Compatible with Quinta Ace 30-115, Quinta Ace 135 and 160, Quinta Ace S 50-150, Gas 120 Ace, Gas 210 Ace, Gas 220 Ace and Gas 320/620 Ace.

iSense Pro

Advanced multi-boiler control

Compatible with Quinta Ace 30-115, Quinta Ace 135 and 160, Quinta Ace S 50-150, Gas 210 Ace, Gas 220 Ace and Gas 320/620 Ace.

MC4 Sequencing Control

For use with the iSense

Compatible with Quinta Ace 30-115, Quinta Ace 135 and 160, Quinta Ace S 50-150, Gas 210 Ace, Gas 220 Ace and Gas 320/620 Ace.

VM-T Control

Compatible with CHVAC Controller and MK System Controller.

CHVAC Manager

Compatible with the CHVAC Manager, MK System Controller, Quinta Ace, Quinta Ace S, Gas 120 Ace, Gas 210 Ace, Gas 220 Ace and Gas 320/620 Ace.

MK System Controller

Compatible with the Baxi Auriga Air Source Heat Pump range.

Potterton Commercial service kits

Item	Product code
Paramount four / five service kit	7679461
Sirius two FS service kit	7679647
Sirius two WH service kit	7679648
Sirius three FS 50-110kW service kit	7768997
Sirius three FS 130-150kW service kit	7768998
Sirius three FS 200-250kW service kit	7768999
Sirius three WH 50-70kW service kit	7769020
Sirius three WH 90-110kW service kit	7769021
Sirius three WH 130-150kW service kit	7769022



Remeha by Baxi service kits

Item	Product code	Item	Product code
Service kit - Gas 310/610 Eco	S100198	Service kit A (Quinta Ace/Gas	7649561
Service kit - Quinta/Eco/Gas	S100493	Service kit B (Quinta Ace/Gas	7649562
Service kit Gas 210 Pro only	S100637	Service kit C (Quinta Ace/Gas	7649563
Quinta Pro service set A	S101673	Service kit Q115/Gas 110-115kW	7667989
Quinta Pro service set B	S101674	Service kit -A- (200-300 kW)	7669093
Quinta Pro service set C	S101675	Service kit -B- (200-300 kW)	7669095
Gas 310/610 Pro service kit (2)	S103294	Service kit -C- (200-300 kW)	7669097
Service kit for Gas 210 ECO M	S55561	Service set A 30-45 kW	7702097
Service kit natural gas filter	2086-007-000	Service set B 30-45 kW	7702098
Maintenance kit Dachs Pro20 ST	2086-012-001	Service set C 30-45 kW	7702099
Small maintenance kit	4786-042-000	Service set A 55-115 kW	7710047
Large maintenance kit	4786-046-000	Service set B 55-115 kW	7710048
Service kit - G/F small W/O oil	4786-097-000	Service set C 55-115 kW	7710049
Service kit gas unit 1 LG serv	4786-098-000	R-Gen 20/44 service kit	7729085
Service kit filter - gas unit	4786-232-000	R-Gen 50/100 service kit	7729086
Service pack 6x S plugs + conn	4786-236-000	Service kit extended DachsGen2	8086-035-000
17,500-Hr service kit	4786-393-000	Service kit small Dachs Gen2	8086-036-000
18,000-Hr service kit for gas	4786-589-001	Service kit large Dachs Gen2	8086-037-000
Service kit (post serial 0616)	7219280	Service kit for G/F3.0, small	8086-053-000
Service kit (pre serial 0615)	7221851	Service kit for G/F3.0, big	8086-054-000
Avanta service case UK	7600102		

Optional accessories

A range of intelligent controls and accessories are available for use with the Sirius FS and Sirius three WH boiler range, to meet the heating requirements of the building accurately and efficiently.



Stainless steel boilers

Model	Sales code	Description
Wired remote control - boiler	5140905	Digital space heating control with programming functions for temperature management of heating and hot water circuit(s), boiler cascades and more accurate boiler modulation control.
Extension module	5140909	Multi-purpose unit Single boiler functions - control of multiple circuits, control for a mixture of CT and VT circuits and their associated valves and pumps, 0-10 volt connections. Boiler cascade functions - control of multiple circuits, control for a mixture of CT and VT circuits and their associated valves and pumps, 0-10 volt connections, control of boiler cascades.
BM BUS communication module	5140908	A device for two way communication management between boilers in cascades or a variety of zone controllers and the boiler(s).
Flow temperature sensor (boiler)	5103867	Strap-on pipe sensor for monitoring boiler flow temperature. For further improvements to system performance, it is advisable to use a sensor on both flow and return. Only required for cascade configurations.
Zone controller - intelligent wiring centre	5140910	Heating circuit controller for systems using BUS communications with multiple zones that are independently controlled.
DHW temperature sensor	5116436	Immersion dry pocket temperature sensor, providing boiler temperature control for DHW storage vessels.
50 WH LPG conversion kit	5140911	Kit to convert natural gas appliance to LPG fuel type (50kW model).
60 WH LPG conversion kit	5140912	Kit to convert natural gas appliance to LPG fuel type (60kW model).
70 WH LPG conversion kit	5140913	Kit to convert natural gas appliance to LPG fuel type (70kW model).
90 WH LPG conversion kit	5140914	Kit to convert natural gas appliance to LPG fuel type (90kW model).
110 WH LPG conversion kit	5140915	Kit to convert natural gas appliance to LPG fuel type (110kW model).
Boiler frame 50-70kW	7691300	Single Boiler Frame.
Boiler frame 90-150kW	7717033	Single Boiler Frame.
Primary loop pump kit	5142796	Only suitable for the 50-110kW models.
Integral boiler pump UPMXL 25-125 130 PWM control	7709445	Only suitable for the 130-150kW models.
50 to 70kW WH flue non-return valve kit	7106820	Flue non-return valve kit for boilers in cascade configurations (50 and 70kW models).
90 to 150kW WH flue non-return valve kit	7700811	Flue non-return valve kit for boilers in cascade configurations (130 and 150kW models).

Baxi Packaged Solutions

We're specialists in prefabricated, modular heating for commercial and industrial developments. Our all-in-one or sectional solutions are meticulously designed to suit any project, using the very best in low-carbon heating technologies from across the Baxi range.

Every solution is manufactured and pre-tested to the highest standards in a clean, controlled environment, and delivered on site ready to install – quickly, safely and cost-effectively. Our in-house design experts and customer service team can offer help and support with everything from initial design and specification, to dry-testing, logistics, installation and commissioning.

OUR SERVICES

Packaged plant rooms	109
Packaged plant equipment	109
Packaged energy centres	109
Heat interface units (HIUs) and utility cupboards	109
Stored hot water solutions	109
Chilled water pump rooms	109
Pre-assembled modules (PAMs)	109

BAXI HEAT INTERFACE UNITS

Baxi AquaHeat	110
---------------	-----

Our services



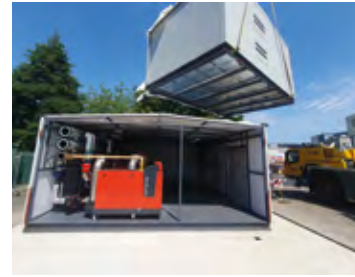
Packaged plant rooms

Bespoke, turnkey heating and hot water spaces designed for space optimisation, performance and cost-effectiveness.



Packaged plant equipment

Modular, non-contained modules for easier transportation, faster installation and saved space.



Packaged energy centres

All-in-one or sectional heating facilities combining a mix of low-carbon Baxi technologies, with optional all-electric or hybrid solutions for heat networks.



Heat interface units (HIUs) and utility cupboards

User-friendly, on-demand heating systems powered by a centralised plant room, connecting apartment blocks and industrial developments to a heat network.



Stored hot water solutions

Space-saving builds for new homes, with solutions integrated into the innovative WholeHouse® home design platform from Travis Perkins.



Chilled water pump rooms

For apartments and other multi-occupancy projects that require air conditioning or underwater cooling.



Pre-assembled modules (PAMs)

Pre-plumbed and pre-tested units for a wide range of mechanical and electrical services.

Each solution ensures:

- A quality-assured build
- Fast installation times, up to 64%* quicker than on-site builds – minimising disruption
- Safer installation due to reduced on-site activity and hot works
- Minimised material waste, reducing environmental impact
- Cost certainty and legislation compliance

* Source: CIBSE



Baxi AquaHeat

Introducing the AquaHeat HIU – your ultimate solution for efficient, reliable, and sustainable heating and cooling. With its compact design, advanced technology, and ease of installation, the AquaHeat HIU is an ideal choice for residential and commercial properties alike, ensuring consistent comfort with minimal environmental impact.



Optimised for energy savings and reduced operational costs



5 year parts and labour warranty*



Compact and sleek design fits seamlessly into any space

BESA 2023 performance data	AquaHeat HI / HWI - 4/50 with Heat Meter & Mercurius	AquaHeat HI / HWI - 4/50	AquaHeat HI / HWI - 14/50 with Heat Meter & Mercurius	AquaHeat HI / HWI - 14/50
Product code	7867470	7867472	7867476	7867477
Performance 70°C DH				
DHW VWART - °C	12.3	12.3	12.3	12.3
Standby VWART - °C	38.8	38.8	38.8	38.8
Space Heating VWART - °C	35.5	35.5	35.2	35.2
Summer VWART - °C	22.8	22.8	22.9	22.9
Winter VWART - °C	29.3	29.3	28.5	28.5
Overall VWART - °C	26.1	26.1	25.7	25.7
Overall Energy Loss - kWh/24h	0.95	0.95	0.95	0.95
Performance 55°C DH				
DHW VWART - °C	17.3	17.3	17.3	17.3
Standby VWART - °C	39.1	39.1	39.1	39.1
Space Heating VWART - °C	34.8	34.8	34.8	34.8
Summer VWART - °C	28.3	28.3	28.3	28.3
Winter VWART - °C	31.5	31.5	31.5	31.5
Overall VWART - °C	29.9	29.9	29.9	29.9
Overall Energy Loss - kWh/24h	0.91	0.91	0.91	0.91

Accessories

Item	Product code
First Fix Rail with flushing bypass & filling loop	7867480
First Fix Rail Stand Off with flushing bypass & filling loop	7867485
Stand Off frame	7867482
L-Pipes Secondary (2 pipes)	7867483
L-Pipes Primary (2 pipes)	7867484
Baxi Mercurius	7867481

* Warranty subject to our commissioning.

** Please refer to the installation and maintenance manual for detailed information on required clearances.



BESA 2023 performance data	AquaHeat HI / HWI - 4/50 with Heat Meter & Mercurius	AquaHeat HI / HWI - 4/50	AquaHeat HI / HWI - 14/50 with Heat Meter & Mercurius	AquaHeat HI / HWI - 14/50	AquaHeat HI-50 with Heat Meter & Mercurius	AquaHeat HI-50
Product code	7867470	7867472	7867476	7867477	7867474	7867475
Hydraulic information						
Max Primary operating pressure - bar g	16	16	16	16	16	16
Max Primary operating temperature - °C	90	90	90	90	90	90
Max Secondary operating pressure - bar g	2.5	2.5	2.5	2.5	3	3
Max Secondary operating temperature - °C	85	85	85	85	85	85
Max operating pressure DHW - bar g	10	10	10	10	-	-
Min cold mains water supply pressure - bar g	1	1	1	1	-	-
Space heating set point - °C	45	45	45	45	45	45
DHW set point - °C	50	50	50	50	-	-
General						
Dimensions - W x H x D (mm)	540 x 750 x 260	540 x 750 x 260	540 x 750 x 260	540 x 750 x 260	540 x 857 x 260	540 x 857 x 260
Weight (dry) (kg)	27	26.5	27	26.7	30	30
Clearances**						
Front (mm)	200	200	200	200	200	200
Rear (mm)	100	100	100	100	100	100
Left / right (mm)	30	30	30	30	30	30
Top (mm)	100	100	100	100	100	100

Find out more at baxi.co.uk/professional/products/commercial-heating-and-hot-water-solutions





Our services

We put all our energy into delivering not only the very best products, but also excellent customer service.

Our expert sales teams are on hand to support you at every stage of the project – from specification to installation and technical backup. They can help with plant room design, free site surveys, sizing, technical advice and much more. With our high-performance, complementary products and our wide range of accessories, we can help you add the finishing touches to any project.

Expert help and advice all the way



Superior service at every step



Cascade kits

We offer a range of standard or bespoke cascade kits for both floor-standing and wall-hung arrangements.

Depending on the project's requirements, they arrive complete with a floor-mounted frame, fully-insulated hydraulic pipework, low loss headers or plate heat exchangers.



For more information on our cascade kits please visit: www.baxi.co.uk/commercial/our-solutions/cascades-and-rig-systems



Accessories

A full range of accessories is available to complement our equipment. Accessories include:

- Controls
- Flue kits
- Plate heat exchangers
- Buffer vessels
- Low loss headers
- Pressurisation units
- Condensate treatment



Spares

Whether for service or repair, we stock a complete range of genuine spare parts for all of our products. Most parts are available for next-day delivery, and we even stock spares for at least 10 years after a product has been discontinued.

For advice on choosing the right part or to place an order, call us on:

UK 0344 871 1540
Ireland 01 459 0870

Or email us on:

parts.orders@baxi.co.uk



BIM/CAD literature library

Designed to help specifiers and contractors get the most out of our systems. Featuring specification guides, installation manuals, technical datasheets, Build Information Modelling (BIM) files and a vast range of both 2D and 3D CAD drawings – all easily downloadable from our product brand websites.



Expert technical advice and support

We offer out-of-hours engineer support that's dedicated to Remeha, Andrews Water Heaters and Potterton Commercial customers. For expert technical advice and support, day or night:

UK 0330 678 0140
Ireland 01 459 0870
technical@remeha.co.uk
(Remeha)

0345 070 1057
commercial.tech@baxi.co.uk
(Andrews Water Heaters or Potterton Commercial)

For everything else, our extensive online resources provide a wealth of information and guidance, 24/7.



Why training?

We've set up our Training Academy's Centre of Excellence in Warwick to enable our customers to refine their skills and gain practical experience in a real-world environment. It's complete training, geared towards developing all-round knowledge in heating and hot water, for everyone.



Tailored, hands-on courses

All product training is free and course content is tailored to the specific needs of the audience. For example, sessions for contractors will be more hands-on and cover practical tips about installation, commissioning and maintenance. We also offer bespoke training which focuses on identifying the correct appliance for customers' requirements.



Delivered by experts

Our trainers are solutions experts with years of practical industry experience and technical know-how to pass on.



Join our academy today

Our individual brands offer training on their individual products, which can all be booked online at baxi.co.uk/commercialtraining

Looking for air source heat pump training?

Call us to find out more about our ASHP training: **0344 335 4207**



"I highly recommend these courses that provide the relevant training but also valuable handy tips and tricks"

**Paul Hull, Director of
P R Hull Plumbing &
Heating Ltd**





Get in touch



UK

0345 070 1055
baxi.co.uk



IRELAND

00353(0) 1 4590870
baxi.ie



