GROUPE ATLANTIC
UK, ROI & NORTH AMERICA DIVISIONS

SOCIAL HOUSING
PRODUCT GUIDE

BOILERS | HEAT PUMPS | CYLINDERS | RADIATORS

2024/2025

atlantic

ideal
HEATING

G GLEDHILL

CONTENTS

Together, **Ideal Heating**, **Gledhill**, and **Atlantic** form an unbeatable alliance, providing developers with a comprehensive suite of heating and hot water solutions. **Welcome to the perfect partnership for a warm and efficient future.**

MARKET LEADERS IN HEATING & HOT WATER

ideal
HEATING

At Ideal Heating we believe in making things as easy as possible. That's why we combine ease of installation with high levels of quality and reliability. We rigorously test each and every one of our products with dozens of safety and reliability checks before they leave our Yorkshire based factory.

Our range of boilers has been awarded the Good Housekeeping reader recommended status seven years in a row.

Consistently the UK's leading heating manufacturer.

LOGIC
COMBI

BOILER 24 30 35 kW

Scan me for full technical specification

Available in a choice of three outputs of 24, 30 and 35 kW, the Logic Combi range of combination boilers from Ideal Heating, provides a hassle free and simple solution for today's social housing market.

2+ YEARS WARRANTY*

KEY FEATURES

- ✓ Flexible warranties available, 2 years as standard
- ✓ Compact cupboard fit
- ✓ Easy to see pressure gauge
- ✓ Digital display
- ✓ Built in frost protection
- ✓ Opentherm ready
- ✓ Flue variants
- ✓ LPG conversion††
- ✓ NOx class 6
- ✓ ErP compliant

ADD A WEATHER COMPENSATION KIT FOR GREATER EFFICIENCY

OVERVIEW

Our new Logic Combi boilers are quick and easy to install in social housing, fitting easily into a standard kitchen cupboard. With flexible warranty options*, the Logic Combi is fully ErP compliant, compatible with other green heating technologies and has an intelligent preheat function to reduce household energy consumption. Available in outputs of 24, 30 and 35kW.

This evolution retains everything you love about the current Logic, but with a range of new features and components that make it even easier for your engineers to install, service and maintain.

Integrate Logic with Link Cellular our remote boiler monitoring solution for greater control of your maintenance costs, compliance and tenant welfare.

AWARD WINNING BOILERS

Our boilers have been awarded Good Housekeeping Reader Recommended status seven years in a row. For ease of use and low noise levels amongst other outstanding product details that left customers wanting to recommend Ideal Heating to their friends and families.

SAP INDEX	PRODUCT CODE	BRAND NAME	MODEL NAME	NOx Emissions (mg/kWh)	NOx Class
019006	228307	Ideal Heating	Logic Combi 24	28	Class 6
019007	228308	Ideal Heating	Logic Combi 30	25	Class 6
019008	228309	Ideal Heating	Logic Combi 35	30	Class 6

CLEARANCES & DIMENSIONS
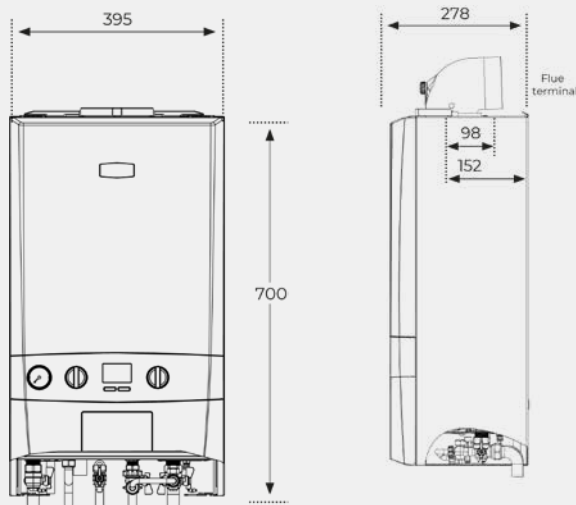
All Dimensions in **mm**

Note: The minimum front clearance when built into a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

---

*2 year warranty subject to Terms and Conditions. † Please check kitchen cupboard size prior to installation. †† LPG Conversion kit available for C24, C30 and C35 model.

LOGIC COMBI FAULT CODES

FAULT CODE	MEANING	RESOLUTION
F 01	Low Water Pressure	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler still fails to operate please contact the social housing provider helpline.
F 02	Flame Loss	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline.
F 03	Fan Fault	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 04 L 04	Flow Thermistor	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 05 L 05	Return Thermistor	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 06	Outside Sensor Failure	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 07	Low Mains Voltage	Contact a qualified electrician or your electricity provider.
F 09 L 09	Unconfigured PCB	Unconfigured PCB. Please contact the social housing provider helpline.
L 01	Flow Temperature Overheat or No Water Flow	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler fails to operate please contact the social housing provider helpline.
L 02	Ignition Lockout	1. Check condensate Pipe for blockages (see to section 4 of installation guide). 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline.
L 06	False Flame Lockout	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
L 0C	5 Boiler Resets in 15 minutes	1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact the social housing provider helpline.
F 0U	Flow/Return Differential > 50°C	If the boiler fails to operate please contact the social housing provider helpline.
dU	Diverter Valve in midposition for service	Rotate all knobs fully clockwise, turn boiler power off and on then press restart.
F 0C	Hot water thermistor fault	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
L 0d	Blocked flue or condensate	If the boiler fails to operate please contact the social housing provider helpline.
F 0t	Room thermostat fault	If the boiler fails to operate please contact the social housing provider helpline.
F 10	Spark generator fault	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 12	Pump rotor blocked	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 13 or F 15 or F 17	Pump fault	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 14	High mains voltage	Contact a qualified electrician or your electricity provider.
F 16	Gas valve fault	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.

TESTIMONIAL
**RICHARD LOVE,
INSTALLER, ARMSTRONG
PLUMBING AND HEATING**

*"I've been dealing with Ideal
Heating and its products for
a number of years now and
I can't fault them.*

*I've installed a lot of Ideal
products, and I don't see
that changing any time
soon. What you get with
Ideal Heating is a really
good quality product and a
good customer service."*

LOGIC
HEAT

BOILER 12 15 18 24 30 kW

Available in the choice of five outputs - 12, 15, 18, 24 & 30kW, the Logic Heat will deliver total home comfort for a wide range of domestic properties.

2+ YEARS WARRANTY*

KEY FEATURES

- ✓ Flexible warranties available, two years as standard
- ✓ Compact cupboard fit
- ✓ Digital display
- ✓ Built in frost protection
- ✓ Rear flue output option
- ✓ Opentherm ready
- ✓ Flue variants
- ✓ LPG conversion††
- ✓ NOx class 6
- ✓ ErP compliant
- ✓ Reduced running costs due to class leading efficiency
- ✓ Compatible with Halo Controls

OPENTHERM READY

OVERVIEW

Suitable for open vent and sealed systems, the Logic Heat boiler is straightforward to site and install. Benefiting from no compartment ventilation, compact fit, and a lightweight design means the boiler can be neatly installed out of sight into a kitchen cupboard†. Installers have the further choice of a neat direct rear flue option as required, helping to speed up the installation in retrofit situations even further.

High SEDBUK efficiency rated and capability of modulating down to 4.8kW**, the Logic Heat is highly efficient and easy to operate thanks to straightforward controls featuring a clear digital display.

The Logic Heat is a reliable and efficient heat only solution for domestic installations.

THE PERFECT SYSTEM

The Logic Heat boiler is the perfect match for the new Ideal Pre-Plumbed H cylinder. As with all Ideal products, you can be assured reliability is engineered, through quality design and testing, supported by a 25 year cylinder warranty.

Our range of pre-plumbed cylinders have been created specifically for the new build market. They offer a 'plug and play' solution which reduces installation time and standardises plumbing configuration across multiple dwelling sites.

SAP INDEX	PRODUCT CODE	BRAND NAME	MODEL NAME	NOx Emissions (mg/kWh)	NOx Class
19040	228385	Ideal Heating	Logic Heat H12	10	Class 6
19041	228386	Ideal Heating	Logic Heat H15	21	Class 6
19042	228387	Ideal Heating	Logic Heat H18	24	Class 6
19043	228388	Ideal Heating	Logic Heat H24	28	Class 6
19044	228389	Ideal Heating	Logic Heat H30	24	Class 6

CLEARANCES & DIMENSIONS
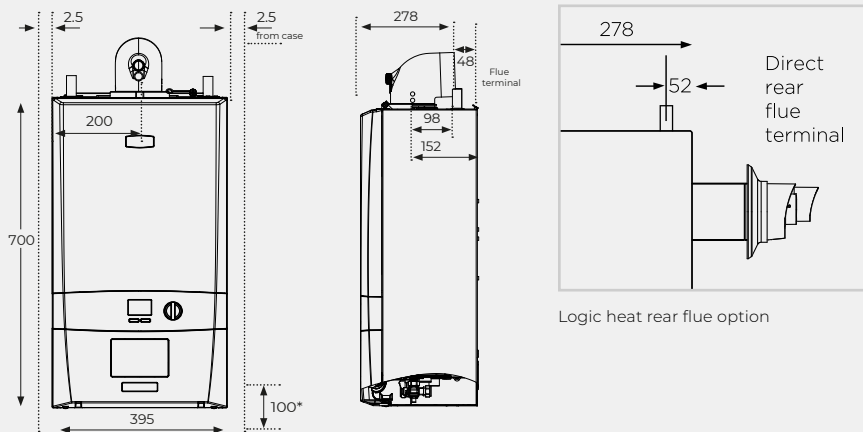
All Dimensions in **mm**

Logic heat rear flue option

Note: The minimum front clearance when built into a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

*2 year warranty subject to Terms and Conditions † Please check kitchen cupboard size prior to installation.
†† LPG Conversion kit available for H18kW H24kW and H30kWmodels. ** (30kW only - 6.1kW).

LOGIC HEAT FAULT CODES

FAULT CODE	MEANING	RESOLUTION
F 02	Flame Loss	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline.
F 03	Fan Fault	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 04 L 04	Flow Thermistor	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 05 L 05	Return Thermistor	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 06	Outside Sensor Failure	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 07	Low Mains Voltage	Contact a qualified electrician or your electricity provider.
F 09 L 09	Unconfigured PCB	Unconfigured PCB. Please contact the social housing provider helpline.
F 0A	Flow/return reversed	Swap flow and return connections.
F 0d	No water flow	Check operation of the pump and divertor or zone vaules or for a possible blockage.
F 0t	Room controls	Check operation and connections.
F 10	Spark Generator	Checking wiring and replace if necessary.
L 01	Flow Temperature Overheat or No Water Flow	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler fails to operate please contact the social housing provider helpline.
L 02	Ignition Lockout	1. Check condensate Pipe for blockages (see to section 4 of installation guide). 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3.If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline.
L 06	False Flame Lockout	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
L 0C	5 Boiler Resets in 15 minutes	1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact the social housing provider helpline.
L 0d	Negative Differential Flow/Return Thermistor	If the boiler fails to operate please contact the social housing provider helpline.
F 0U	Flow/Return Differential > 50°C	If the boiler fails to operate please contact the social housing provider helpline.

TESTIMONIAL
BEDFORD PILGRIMS HOUSING ASSOCIATION

"We have specified Ideal Logic boilers for the past 6 years."

"The ease of maintaining and servicing the boilers has been backed by our heating contractor."

"The standard in boiler quality is very high, and even during Covid-19 with some manufacturing shutdowns throughout the industry, we did not see a supply shortage from Ideal Heating and the standard in quality was not compromised."

"We have been contacted by other manufacturers in this time, but the quality and service received from Ideal Heating has not been matched by other manufacturers."

LOGIC
SYSTEM

BOILER 15 18 24 30 kW

Scan me for full technical specification

High ErP efficiency rating and easy to install, the Logic System range of appliances from Ideal Heating provide a simple and reliable solution for a wide variety of sealed domestic systems.

2+ YEARS WARRANTY*

KEY FEATURES

- ✔ 2 years warranty as standard
- ✔ Compact cupboard fit
- ✔ Easy to see pressure gauge
- ✔ Digital display
- ✔ Built in frost protection
- ✔ Opentherm ready
- ✔ Flue variants
- ✔ LPG conversion††
- ✔ NOx class 6
- ✔ ErP compliant
- ✔ Compatible with Halo Controls

EASY TO SEE PRESSURE GAUGE

OVERVIEW

Available in a choice of four outputs - 15, 18, 24 and 30kW, the Logic System provides a dependable and efficient solution for new installations. Siting and installing a Logic System is hassle free thanks to a simple telescopic flue option.

Time saving fast fix flue turret connections and a wide range of alternative flueing solutions help to ensure the product is installed quickly and efficiently in virtually any domestic situation.

With a lightweight design, concealed connections at the base and no compartment ventilation required, the Logic System can be conveniently fitted out of sight into a standard kitchen cupboard†.

The Logic System boiler provides simple heating control, all from a single compact appliance.

THE PERFECT HEAT ONLY SYSTEM

The Logic System boiler is the perfect match for the new Ideal Pre-Plumbed H cylinder. As with all Ideal products, you can be assured reliability is engineered, through quality design and testing, supported by a 25 year cylinder warranty.

Our range of pre-plumbed cylinders have been created specifically for the new build market. They offer a 'plug and play' solution which reduces installation time and standardises plumbing configuration across multiple dwelling sites.

SAP INDEX	PRODUCT CODE	BRAND NAME	MODEL NAME	NOx Emissions (mg/kWh)	NOx Class
19045	228352	Ideal Heating	Logic System S15	21	Class 6
19046	228353	Ideal Heating	Logic System S18	24	Class 6
19047	228354	Ideal Heating	Logic System S24	28	Class 6
19048	228355	Ideal Heating	Logic System S30	26	Class 6

CLEARANCES & DIMENSIONS
All Dimensions in **mm**
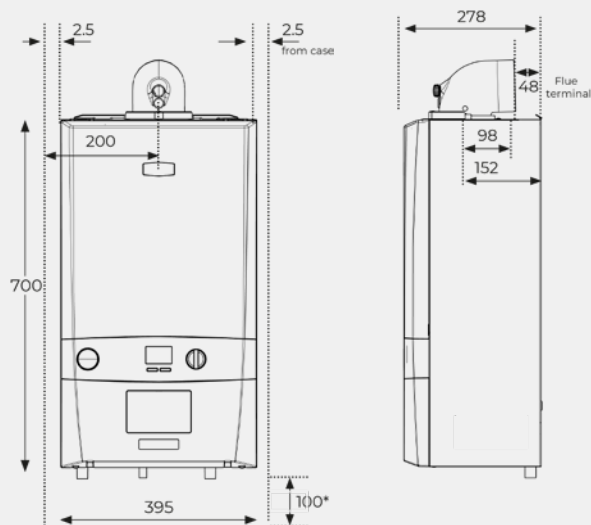
Note: The minimum front clearance when built into a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

*2 year warranty subject to Terms and Conditions. † Please check kitchen cupboard size prior to installation. †† LPG Conversion kit available for S18 and S30 model.

LOGIC SYSTEM FAULT CODES

FAULT CODE	MEANING	RESOLUTION
F 01	Low Water Pressure	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler still fails to operate please contact the social housing provider helpline.
F 02	Flame Loss	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline.
F 03	Fan Fault	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 04 L 04	Flow Thermistor	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 05 L 05	Return Thermistor	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 06	Outside Sensor Failure	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 07	Low Mains Voltage	Contact a qualified electrician or your electricity provider.
F 09 L 09	Unconfigured PCB	Unconfigured PCB. Please contact the social housing provider helpline.
L 01	Flow Temperature Overheat or No Water Flow	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler fails to operate please contact the social housing provider helpline.
L 02	Ignition Lockout	1. Check condensate Pipe for blockages (see to section 4 of installation guide). 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline.
L 06	False Flame Lockout	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
L 0C	5 Boiler Resets in 15 minutes	1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact the social housing provider helpline.
L 0d	Negative Differential Flow/Return Thermistor	If the boiler fails to operate please contact the social housing provider helpline.
F 0U	Flow/Return Differential > 50°C	If the boiler fails to operate please contact the social housing provider helpline.

LOGIC
COMBI ESP1

BOILER 24 30 35 kW

Available in a choice of three outputs of 24, 30 and 35kW, the Logic Combi ESP1 range of combination boilers from Ideal Heating, provides a hassle free and simple solution for today's new build market.

2+ YEARS WARRANTY*

KEY FEATURES

- ✓ Flexible warranties available, 2 years as standard
- ✓ Compact cupboard fit
- ✓ Easy to see pressure gauge
- ✓ Digital display
- ✓ Built in frost protection
- ✓ Opentherm ready
- ✓ Flue variants
- ✓ LPG conversion††
- ✓ NOx class 6
- ✓ ErP compliant
- ✓ High SAP ratings, making it easier to achieve your required TER
- ✓ Compatible with Halo Controls

ADD A WEATHER COMPENSATION KIT FOR GREATER EFFICIENCY

*2 year warranty subject to Terms and Conditions. † Please check kitchen cupboard size prior to installation. †† LPG Conversion kit available for 30kW & 35kW models.

OVERVIEW

Complementing the existing Logic range, the Logic Combi ESP1 design is optimised for compliance following appropriate SAP process.

A quick installation is assured thanks to a wide range of flueing options, fast fix flue turret connections and no need for compartment ventilation allowing this product to be installed out of sight in a standard kitchen cupboard†.

The Logic Combi ESP1 is fully modulating, built with tried and tested technology.

Featuring a simple diagnostics display, the Logic Combi ESP1 range is compatible with a range of optional timers for the ultimate in control and peace of mind.
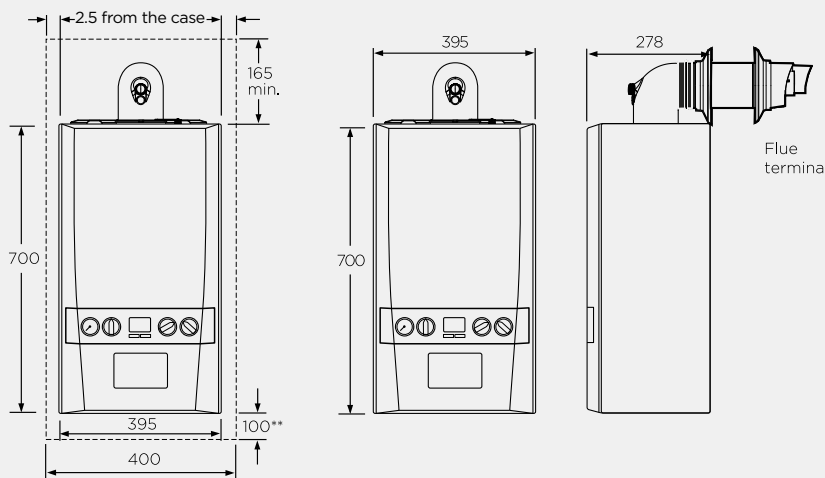
AWARD WINNING BOILERS

Our boilers have been awarded Good Housekeeping Reader Recommended status seven years in a row. For ease of use and low noise levels amongst other outstanding product details that left customers wanting to recommend Ideal Heating to their friends and families.

SAP INDEX	PRODUCT CODE	BRAND NAME	MODEL NAME	NOx Emissions (mg/kWh)	NOx Class
17955	215428	Ideal Heating	Logic Combi ESP1 24	28	Class 6
17956	215429	Ideal Heating	Logic Combi ESP1 30	25	Class 6
17929	215430	Ideal Heating	Logic Combi ESP1 35	30	Class 6

CLEARANCES & DIMENSIONS
All Dimensions in **mm**

2.5 from the case

165 min.

700

395

400

100**

395

700

278

Flue terminal

Note: The minimum front clearance when built into a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

**Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

LOGIC COMBI ESP1 FAULT CODES

FAULT CODE	MEANING	RESOLUTION
F 01	Low Water Pressure	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler still fails to operate please contact the social housing provider helpline.
F 02	Flame Loss	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline.
F 03	Fan Fault	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 04 L 04	Flow Thermistor	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 05 L 05	Return Thermistor	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F 06	Outside Sensor Failure	Restart the appliance - if the boiler fails to operate please contact then contact the social housing provider helpline.
F 07	Low Mains Voltage	Contact a qualified electrician or your electricity provider.
F 09	Unconfigured PCB	Unconfigured PCB. Please contact the social housing provider helpline.
L 01	Flow Temperature Overheat or No Water Flow	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler fails to operate please contact the social housing provider helpline.
L 02	Ignition Lockout	1. Check condensate Pipe for blockages (see to section 4 of installation guide). 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3.If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline.
L 06	False Flame Lockout	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
L 0C	5 Boiler Resets in 15 minutes	1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact the social housing provider helpline.
F 0U	Flow/Return Differential > 50°C	If the boiler fails to operate please contact the social housing provider helpline.
dU	Diverter Valve in midposition for service	Rotate all knobs fully clockwise, turn boiler power off and on then press restart.

TESTIMONIAL
ASTER HOUSING GROUP

"We have been installing Ideal Heating for the past 10 years, specifically the Logic Standard and ESP1 range."

"We receive a same day-next day response on our 5-year warranty work and training is provided on boilers as required for new engineers."

"Over the last 12 months we have installed over 850 boilers having very few issues, the product related visit rate is less than 1.5% on over 5,000 boilers that are under warranty at any one time and because of this I would recommend the Ideal Logic boiler range."

"We are to install over 1,300 Boilers a year in planned maintenance and social new build, with Ideal Logic being the majority of those Installations."

LOGIC CODE
COMBI ESP1

BOILER 26 33 38 kW

Scan me for full technical specification

Designed to take the headache out of meeting Building Regulations, the Logic Code Combi ESP1 from Ideal is a simple one box solution. Developed using state of the art advanced boiler technology, the ESP1 models optimise design for SAP and DER ratings.

2+ YEARS WARRANTY*

KEY FEATURES

- ✓ Flexible warranties available, 2 years as standard
- ✓ Compact cupboard fit
- ✓ Easy to see pressure gauge
- ✓ Simple user interface
- ✓ Frost protection
- ✓ Opentherm ready
- ✓ Flue variants
- ✓ LPG conversion[†]
- ✓ NOx class 6
- ✓ ErP compliant
- ✓ Passive flue gas heat recovery unit
- ✓ Compatible with Halo Controls

S A P

IDEAL HEATING'S MOST EFFICIENT BOILER RANGE

OVERVIEW

Developed using state of the art advanced boiler technology, the Code Combi ESP1 features a built-in stainless steel passive flue gas heat recovery unit located in the flue exit, which cleverly picks up and recycles waste energy that would have normally been lost through the flue terminal.

This energy is collected and used to warm up the cold hot water supply. This supply, then flows into the plate heat exchanger, where the desired temperature is reached.

With a dedicated in-house design team and service network for developers and installers The Logic Code Combi ESP1, with its NOx class 6 rating and integral FGHR unit, takes the pressure, and cost, off meeting Building Regulations.

AWARD WINNING BOILERS

Our boilers have been awarded Good Housekeeping Reader Recommended status seven years in a row. For ease of use and low noise levels amongst other outstanding product details that left customers wanting to recommend Ideal Heating to their friends and families.

Good Housekeeping Institute
APPROVED 2024

SAP INDEX	PRODUCT CODE	BRAND NAME	MODEL NAME	NOx Emissions (mg/kWh)	NOx Class
018121	215735	Ideal Heating	Logic Code Combi ESP1 26	24	Class 6
018122	215736	Ideal Heating	Logic Code Combi ESP1 33	25	Class 6
018123	215737	Ideal Heating	Logic Code Combi ESP1 38	32	Class 6

HOW IT WORKS

> Hot water tap is opened and boiler senses flow

> Burner on

> Combustion gases heat primary water heat exchanger and flue gases exit to the flue

> Cold water from mains flows through the passive flue gas heat recovery unit in the flue

> Energy from the flue gases is transferred to the incoming water

> The cooled flue gases exit the boiler

> Preheated water enters the boiler and is further heated by the DWH plate heat exchanger

> Hot water is produced at the tap

CLEARANCES & DIMENSIONS
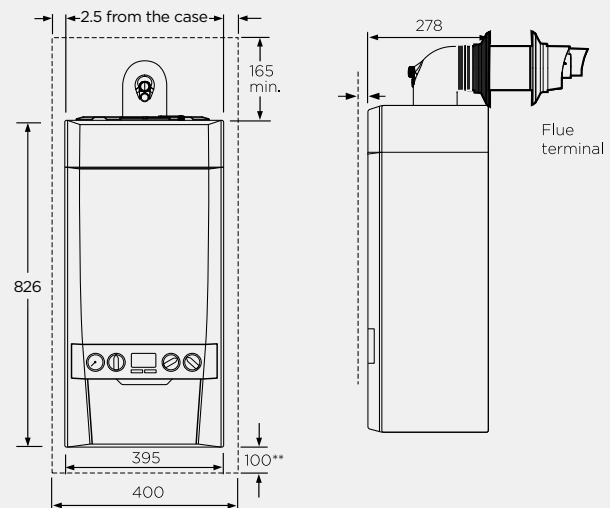
All Dimensions in **mm**

2.5 from the case
165 min.
826
395
100**
400
278
Flue terminal

Note: The minimum front clearance when built into a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

**Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

†LPG Conversion kit available for 33kW & 38kW models. *2 year warranty subject to Terms and Conditions.

LOGIC CODE COMBI ESP1 FAULT CODES

FAULT CODE		MEANING	RESOLUTION
F1		Low Water Pressure	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler still fails to operate please contact the social housing provider helpline.
F2		Flame Loss	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline.
F3		Fan Fault	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F4	**L4**	Flow Thermistor	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F5	**L5**	Return Thermistor	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F6		Outside Sensor Failure	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
F7		Low Mains Voltage	Contact a qualified electrician or your electricity provider.
F9	**L9**	Unconfigured PCB	Unconfigured PCB. Please contact the social housing provider helpline.
L1		Flow Temperature Overheat or No Water Flow	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler fails to operate please contact the social housing provider helpline.
L2		Ignition Lockout	1. Check condensate Pipe for blockages (see to section 4 of installation guide). 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline.
L6		False Flame Lockout	Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline.
LC		5 Boiler Resets in 15 minutes	1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact the social housing provider helpline.
FA		Negative Differential Flow/Return Thermistor	If the boiler fails to operate please contact the social housing provider helpline.
FU		Flow/Return Differential > 50°C	If the boiler fails to operate please contact the social housing provider helpline.
dU		Diverter Valve in midposition for service	Rotate all knobs fully clockwise, turn boiler power off and on then press restart.

LOGIC COMBI

BOILER MODEL		**LOGIC** COMBI		
		24	30	35
SIZE	Casing dimensions (h w d)(mm)			
	Height	700	700	700
	Width	395	395	395
	Depth	278	278	278
	Weight (packed) kg	32.8	33	33
	Max installation weight kg	28.5	28.6	28.6
PERFORMANCE	CH output (kW) min/max mean 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
	CH output (kW) min/max mean 40°C	5.1 - 25.6	6.4 - 25.6	7.5 - 25.6
	DHW output (kW) max	24.2	30.3	35.3
	DHW flow rate l/min. 35°C rise	9.9	12.4	14.5
	SEDBUK (2005) %	91.1	91.1	91.1
	SEDBUK (2009/2012) %	89.6	89.6	89.6
	NOx classification	CLASS 6	CLASS 6	CLASS 6
	Convert to LPG	No	Yes	Yes
CONSTRUCTION	Heat exchanger material	Cast aluminium- silicon alloy		
	Burner type	Downward firing pre-mix		
	Fully modulating	Yes	Yes	Yes
	DHW plate heat exchanger	Yes	Yes	Yes
	Integrated hydroblock	Yes	Yes	Yes
INSTALLATION	Suitable for sealed systems	Yes	Yes	Yes
	Suitable for open-vent systems	No	No	No
	Filling loop	Yes	Yes	Yes
	Pre-wired mains lead	Yes	Yes	Yes
	Flow regulator	Yes	Yes	Yes
	Inbuilt system bypass	Yes	Yes	Yes
	Inbuilt condensate trap/siphon	Yes	Yes	Yes
	Inbuilt boiler frost protection	Yes	Yes	Yes
	Zero compartment ventilation	Yes	Yes	Yes
CLEARANCES	Top (min. mm) from top of boiler	165	165	165
	Side (mm)	2.5	2.5	2.5
	Bottom (mm)	100*	100*	100*
	Front (mm)	450**	450**	450**
USER INTERFACE	User display	Symbols		
	User interface	3 dials, 2 buttons		
	Diagnostics	Fault diagnosis display		
	User adjustable	Manual heating & hot water controls		
	'Eco' setting on CH	Yes	Yes	Yes
	Inbuilt programmer	Optional	Optional	Optional
PIPES	Pre-piping kit	Optional	Optional	Optional
	Stand off kit	Optional	Optional	Optional
	Stand off kit inc. pipes	Optional	Optional	Optional
	Security bracket kit	Optional	Optional	Optional
	Safety valve drain outlet pipe kit	Optional	Optional	Optional
	Terminal wall plate kit	Optional	Optional	Optional
	Weather compensation kit	Optional	Optional	Optional
FLUES	Max horizontal	9m	8m	6m
	Max vertical	7.5m	7.5m	7.5m
	Powered vertical	22m	22m	22m
	High level flue outlet kit	Optional	Optional	Optional
	Direct rear flue kit (55/80)	No	No	No
CONNECTIONS	Gas supply connection	15mm	15mm	15mm
	CH flow connection	22mm	22mm	22mm
	CH return connection	22mm	22mm	22mm
	Inlet connection - DHW	15mm	15mm	15mm
	Outlet connection - DHW	15mm	15mm	15mm
	Pressure relief valve	15mm	15mm	15mm
	Condensate drain	21.5mm	21.5mm	21.5mm
ErP EFFICIENCIES	Condensing boiler	Yes	Yes	Yes
	Seasonal space heating efficiency class	A	A	A
	Rated heat output kW	24	24	24
	Seasonal space heating energy efficiency ꞑs %	94	94	94
	Sound power level, indoors LWA dB	48	46	44
	Water heating energy efficiency class	A	A	A

LOGIC COMBI ESP1

BOILER MODEL		LOGIC COMBI ESP1		
		24	30	35
SIZE	Casing dimensions (h w d)(mm)			
	Height	700	700	700
	Width	395	395	395
	Depth	278	278	278
	Weight (packed) kg	33.7	33.8	33.9
	Max installation weight kg	28.9	29.0	29.1
PERFORMANCE	CH output (kW) min/max mean 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
	CH output (kW) min/max mean 40°C	5.1 - 25.6	6.4 - 25.6	7.5 - 25.6
	DHW output (kW) max	24.2	30.3	35.3
	DHW flow rate l/min. 35°C rise	9.9	12.4	14.5
	SEDBUK (2005) %	91.1	91.1	91.1
	SEDBUK (2009/2012) %	89.6	89.6	89.6
	NOx classification	CLASS 6	CLASS 6	CLASS 6
	Convert to LPG	No	Yes	Yes
CONSTRUCTION	Heat exchanger material	Cast aluminium- silicon alloy		
	Burner type	Downward firing pre-mix		
	Fully modulating	Yes	Yes	Yes
	DHW plate heat exchanger	Yes	Yes	Yes
	Integrated hydroblock	Yes	Yes	Yes
INSTALLATION	Suitable for sealed systems	Yes	Yes	Yes
	Suitable for open-vent systems	No	No	No
	Filling loop	Yes	Yes	Yes
	Pre-wired mains lead	Yes	Yes	Yes
	Flow regulator	Yes	Yes	Yes
	Inbuilt system bypass	Yes	Yes	Yes
	Inbuilt condensate trap/siphon	Yes	Yes	Yes
	Inbuilt boiler frost protection	Yes	Yes	Yes
	Zero compartment ventilation	Yes	Yes	Yes
CLEARANCES	Top (min. mm) from top of boiler	165	165	165
	Side (mm)	2.5	2.5	2.5
	Bottom (mm)	100*	100*	100*
	Front (mm)	450	450	450
USER INTERFACE	User display	Symbols		
	User interface	3 dials, 2 buttons		
	Diagnostics	Fault diagnosis display		
	User adjustable	Manual heating & hot water controls		
	'Eco' setting on CH	Yes	Yes	Yes
	Inbuilt programmer	Optional	Optional	Optional
PIPES	Pre-piping kit	Optional	Optional	Optional
	Stand off kit	Optional	Optional	Optional
	Stand off kit inc. pipes	Optional	Optional	Optional
	Security bracket kit	Optional	Optional	Optional
	Safety valve drain outlet pipe kit	Optional	Optional	Optional
	Terminal wall plate kit	Optional	Optional	Optional
	Weather compensation kit	Optional	Optional	Optional
FLUES	Max horizontal	9m	8m	6m
	Max vertical	7.5m	7.5m	7.5m
	Powered vertical	22m	22m	22m
	High level flue outlet kit	Optional	Optional	Optional
	Direct rear flue kit (55/80)	No	No	No
CONNECTIONS	Gas supply connection	15mm	15mm	15mm
	CH flow connection	22mm	22mm	22mm
	CH return connection	22mm	22mm	22mm
	Inlet connection - DHW	15mm	15mm	15mm
	Outlet connection - DHW	15mm	15mm	15mm
	Pressure relief valve	15mm	15mm	15mm
	Condensate drain	21.5mm	21.5mm	21.5mm
ErP EFFICIENCIES	Condensing boiler	Yes	Yes	Yes
	Seasonal space heating efficiency class	A	A	A
	Rated heat output kW	24	24	24
	Seasonal space heating energy efficiency ηs %	94	94	94
	Sound power level, indoors LWA dB	48	46	44
	Water heating energy efficiency class	A	A	A

* Can be reduced to 5mm. However, 100mm is required for servicing.

LOGIC CODE COMBI ESP1

BOILER MODEL		LOGIC CODE COMBI ESP1		
		26	33	38
SIZE	Casing dimensions (h w d)(mm)			
	Height	826	826	826
	Width	395	395	395
	Depth	278	278	278
	Weight (packed) kg	38.05	38.15	38.35
	Maximum installation weight kg	32.65	32.75	32.95
PERFORMANCE	CH output (kW) min/max mean 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
	CH output (kW) min/max mean 40°C	5.1- 25.6	6.4 - 25.6	7.5 - 25.6
	DHW output (kW) max	26.1	32.7	38.2
	DHW flow rate l/min. 35°C rise	10.7	13.4	15.7
	SEDBUK (2005) %	91.1	91.1	91.1
	SEDBUK (2009/2012) %	89.6	89.6	89.6
	NOx classification	CLASS 6	CLASS 6	CLASS 6
	Convert to LPG	No	Yes	Yes
CONSTRUCTION	Heat exchanger material	Cast aluminium- silicon alloy		
	Burner type	Downward firing pre-mix		
	Fully modulating	Yes	Yes	Yes
	DHW plate heat exchanger	Yes	Yes	Yes
	Integrated hydroblock	Yes	Yes	Yes
INSTALLATION	Suitable for sealed systems	Yes	Yes	Yes
	Suitable for open vent systems	No	No	No
	Filling loop	Yes	Yes	Yes
	Pre-wired mains lead	Yes	Yes	Yes
	Flow regulator	Yes	Yes	Yes
	Inbuilt system bypass	Yes	Yes	Yes
	Inbuilt condensate trap/siphon	Yes	Yes	Yes
	Pump exercise	Yes	Yes	Yes
	Inbuilt boiler frost protection	Yes	Yes	Yes
	Zero compartment ventilation	Yes	Yes	Yes
	Copper tail connections	Yes	Yes	Yes
CLEARANCES	Top (min. mm) from top of boiler	165	165	165
	Side (mm)	2.5	2.5	2.5
	Bottom (mm)	100*	100*	100*
	Front (mm)	450**	450**	450**
USER INTERFACE	User display	Symbols		
	User interface	3 dials, 2 buttons		
	Diagnostics	Fault diagnostic display		
	User adjustable	Manual heating & hot water controls		
	'Eco' setting on CH	Yes	Yes	Yes
	Inbuilt programmer	Optional	Optional	Optional
PIPES	Pre-piping kit	Optional	Optional	Optional
	Stand off kit	Optional	Optional	Optional
	Stand off kit inc. pipes	Optional	Optional	Optional
	Security fixing kit	Optional	Optional	Optional
	Safety valve drain outlet pipe kit	Optional	Optional	Optional
	Terminal wall plate kit	Optional	Optional	Optional
	Weather compensation kit	Optional	Optional	Optional
FLUES	Max horizontal	9m	8m	6m
	Max vertical	7.5m	7.5m	7.5m
	Powered vertical	22m	22m	22m
	High level flue outlet kit	Optional	Optional	Optional
	Direct rear flue kit (55/80)	No	No	No
CONNECTIONS	Gas supply connection	15mm	15mm	15mm
	CH flow connection	22mm	22mm	22mm
	CH return connection	22mm	22mm	22mm
	Inlet connection - DHW	15mm	15mm	15mm
	Outlet connection - DHW	15mm	15mm	15mm
	Pressure relief valve	15mm	15mm	15mm
	Condensate drain	21.5mm	21.5mm	21.5mm
ErP EFFICIENCIES	Condensing boiler	Yes	Yes	Yes
	Seasonal space heating efficiency class	A	A	A
	Rated heat output kW	24	24	24
	Seasonal space heating energy efficiency η_s %	94	94	94
	Sound power level, indoors L_{WA} dB	49	47	44
	Water heating energy efficiency class	A	A	A

* Can be reduced to 5mm. However, 100mm is required for servicing. ** Can be reduced to 5mm for cupboard fit, 450mm required for servicing.

LOGIC **HEAT**

BOILER MODEL		LOGIC HEAT				
		H12	H15	H18	H24	H30
SIZE	Casing dimensions (h w d)(mm)					
	Height	700	700	700	700	700
	Width	395	395	395	395	395
	Depth	278	278	278	278	278
	Weight (packed) kg	26.2	26.2	26.2	26.2	26.2
	Maximum installation weight kg	22.7	22.7	22.7	22.7	22.7
PERFORMANCE	CH output (kW) min/max mean 70°C	4.8 - 12.0	4.8 - 15.0	4.8 - 18.0	4.8 - 24.2	6.1 - 30.3
	CH output (kW) min/max mean 40°C	5.1 - 13.0	5.1 - 15.9	5.1 - 19.1	5.1 - 25.6	6.4 - 31.0
	DHW output (kW) max	N/A	N/A	N/A	N/A	N/A
	DHW flow rate l/min. 35°C rise	N/A	N/A	N/A	N/A	N/A
	SEDBUK (2005) %	91.1	91.2	91.1	91.2	91.1
	SEDBUK (2009/2012) %	89.4	89.4	89.7	89.7	89.6
	NOx classification	CLASS 6	CLASS 6	CLASS 6	CLASS 6	CLASS 6
	Convert to LPG	No	No	No	Yes	Yes
CONSTRUCTION	Heat exchanger material		Cast aluminium - silicon alloy				
	Burner type		Downward firing pre-mix				
	Fully modulating	Yes	Yes	Yes	Yes	Yes
	DHW plate heat exchanger	N/A	N/A	N/A	N/A	N/A
	Integrated hydroblock	N/A	N/A	N/A	N/A	N/A
INSTALLATION	Suitable for sealed systems	Yes	Yes	Yes	Yes	Yes
	Suitable for open-vent systems	Yes	Yes	Yes	Yes	Yes
	Filling loop	No	No	No	No	No
	Pre-wired mains lead	No	No	No	No	No
	Flow regulator	N/A	N/A	N/A	N/A	N/A
	Inbuilt system bypass	No	No	No	No	No
	Inbuilt condensate trap/siphon	Yes	Yes	Yes	Yes	Yes
	Inbuilt boiler frost protection	Yes	Yes	Yes	Yes	Yes
	Zero compartment ventilation	Yes	Yes	Yes	Yes	Yes
CLEARANCES	Top (mm) (from top of boiler)		165 (100 rear outlet flue)				
	Side (mm)	2.5	2.5	2.5	2.5	2.5
	Bottom (mm)	100*	100*	100*	100*	100*
	Front (mm)	450**	450**	450**	450**	450**
USER INTERFACE	User display		Symbols and simple text				
	User interface		1 dial and 2 buttons				
	Diagnostics		Fault diagnosis display				
	User adjustable		Manual heating control				
	Inbuilt programmer	No	No	No	No	No
PIPES	Pre-piping kit	No	No	No	No	No
	Stand off kit	Yes	Yes	Yes	Yes	Yes
	Stand off kit inc. pipes.	No	No	No	No	No
	Safety valve drain outlet pipe kit	No	No	No	No	No
	Terminal wall plate kit	Optional	Optional	Optional	Optional	Optional
	Weather compensation kit	Optional	Optional	Optional	Optional	Optional
FLUES	Max horizontal	9m	9m	9m	9m	8m
	Max vertical	7.5m^2	7.5m^2	7.5m^2	7.5m^2	7.5m^2
	Powered vertical	22m^2	22m^2	22m^2	22m^2	22m^2
	High level flue outlet kit	Optional	Optional	Optional	Optional	Optional
	Direct rear flue kit (55/80)	Yes	Yes	Yes	Yes	Yes
CONNECTIONS*3	Gas supply connection	15mm	15mm	15mm	15mm	15mm
	CH flow connection	22mm	22mm	22mm	22mm	22mm
	CH return connection	22mm	22mm	22mm	22mm	22mm
	Inlet connection - DHW	N/A	N/A	N/A	N/A	N/A
	Outlet connection - DHW	N/A	N/A	N/A	N/A	N/A
	Pressure relief valve	N/A	N/A	N/A	N/A	N/A
	Condensate drain	21.5mm	21.5mm	21.5mm	21.5mm	21.5mm
ErP EFFICIENCIES	Condensing boiler	Yes	Yes	Yes	Yes	Yes
	Seasonal space heating efficiency class	A	A	A	A	A
	Rated heat output kW	12	15	18	24	30
	Seasonal space heating energy efficiency η_s %	93.0	93.0	93.0	94.0	93.0
	Sound power level, indoors L$_{WA}$ dB	36	42	44	50	50
	Water heating energy efficiency class	N/A	N/A	N/A	N/A	N/A

* Can be reduced to 5mm. However, 100mm is required for servicing. ** Can be reduced to 5mm for cupboard fit, 450mm required for servicing.

LOGIC SYSTEM

BOILER MODEL		LOGIC SYSTEM			
		S15	S18	S24	S30
SIZE	Casing dimensions (h w d)(mm)				
	Height	700	700	700	700
	Width	395	395	395	395
	Depth	278	278	278	278
	Weight (packed) kg	31.5	31.5	31.5	31.5
	Maximum installation weight kg	26.1	26.1	26.1	26.1
PERFORMANCE	CH output (kW) min/max mean 70°C	4.8 - 15.0	4.8 - 18.0	4.8 - 24.2	6.1 - 30.3
	CH output (kW) min/max mean 40°C	5.1 - 15.9	5.1 - 19.1	5.1 - 25.6	6.4 - 31.0
	DHW output (kW) max	N/A	N/A	N/A	N/A
	DHW flow rate l/min. 35°C rise	N/A	N/A	N/A	N/A
	SEDBUK (2005) %	91.2	91.1	91.2	91.1
	SEDBUK (2009/2012) %	89.4	89.7	89.7	89.6
	NOx classification	CLASS 6	CLASS 6	CLASS 6	CLASS 6
	Convert to LPG	No	No	No	Yes
CONSTRUCTION	Heat exchanger material	Cast aluminium - silicon alloy			
	Burner type	Downward firing pre-mix			
	Fully modulating	Yes	Yes	Yes	Yes
	DHW plate heat exchanger	N/A	N/A	N/A	N/A
	Integrated hydroblock	N/A	N/A	N/A	N/A
INSTALLATION	Suitable for sealed systems	Yes	Yes	Yes	Yes
	Suitable for open-vent systems	No	No	No	No
	Filling loop	No	No	No	No
	Pre-wired mains lead	Yes	Yes	Yes	Yes
	Flow regulator	N/A	N/A	N/A	N/A
	Inbuilt system bypass	Yes	Yes	Yes	Yes
	Inbuilt condensate trap/siphon	Yes	Yes	Yes	Yes
	Inbuilt boiler frost protection	Yes	Yes	Yes	Yes
	Zero compartment ventilation	Yes	Yes	Yes	Yes
CLEARANCES	Top (mm) (from top of boiler)	165	165	165	165
	Side (mm)	2.5	2.5	2.5	2.5
	Bottom (mm)	100*	100*	100*	100*
	Front (mm)	450**	450**	450**	450**
USER INTERFACE	User display	Symbols and simple text			
	User interface	1 dial and 2 buttons			
	Diagnostics	Fault diagnosis display			
	User adjustable	Manual heating control			
	Inbuilt programmer	No	No	No	No
PIPES	Pre-piping kit	Yes	Yes	Yes	Yes
	Stand off kit	Yes	Yes	Yes	Yes
	Stand off kit inc. pipes.	Yes	Yes	Yes	Yes
	Safety valve drain outlet pipe kit	Optional	Optional	Optional	Optional
	Terminal wall plate kit	Optional	Optional	Optional	Optional
	Weather compensation kit	Optional	Optional	Optional	Optional
FLUES	Max horizontal	9m	9m	9m	8m
	Max vertical	7.5m	7.5m	7.5m	7.5m
	Powered vertical	22m	22m	22m	22m
	High level flue outlet kit	Optional	Optional	Optional	Optional
	Direct rear flue kit (55/80)	No	No	No	No
CONNECTIONS*²	Gas supply connection	15mm	15mm	15mm	15mm
	CH flow connection	22mm	22mm	22mm	22mm
	CH return connection	22mm	22mm	22mm	22mm
	Inlet connection - DHW	N/A	N/A	N/A	N/A
	Outlet connection - DHW	N/A	N/A	N/A	N/A
	Pressure relief valve	N/A	N/A	N/A	N/A
	Condensate drain	21.5mm	21.5mm	21.5mm	21.5mm
ErP EFFICIENCIES	Condensing boiler	Yes	Yes	Yes	Yes
	Seasonal space heating efficiency class	A	A	A	A
	Rated heat output kW	15	18	24	30
	Seasonal space heating energy efficiency ηs %	93	93	94	93
	Sound power level, indoors LWA dB	42	44	50	50
	Water heating energy efficiency class	N/A	N/A	N/A	N/A

* Can be reduced to 5mm. However, 100mm is required for servicing. ** Can be reduced to 5mm for cupboard fit, 450mm required for servicing.

HALO LITE RF

PROGRAMMABLE ROOM THERMOSTATS
BOILERS ONLY

Scan me for full technical specification

The Ideal Halo Lite RF is a single zone combi programmable room thermostat designed to benefit both landlords and tenants.

Boasting a large colour screen and easy to use button and dial interface. It has been tested to ensure it is intuitive and easy to understand.

2 YEARS WARRANTY*

KEY FEATURES

- ✓ Simple dial and button design
- ✓ Backlit colour screen with large text and icons
- ✓ Service timer function
- ✓ Designed with tenant input
- ✓ Boiler plus compliant
- ✓ Wireless
- ✓ Easy to install

DESIGNED WITH TENANT INPUT

HALO

PROGRAMMABLE ROOM THERMOSTATS
BOILERS ONLY

Scan me for full technical specification
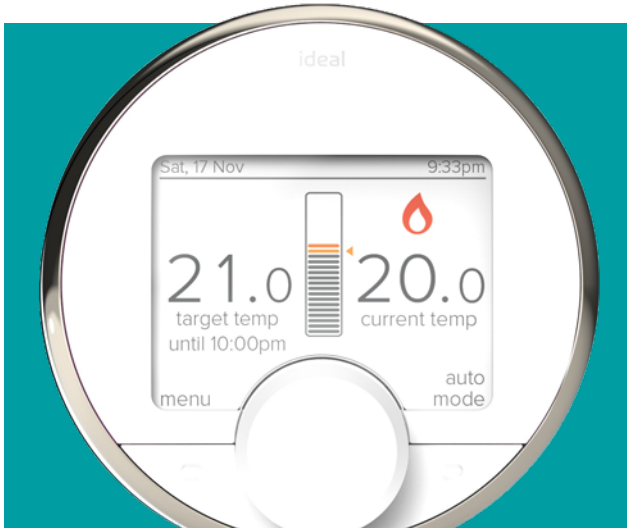
HALO LITE 221528

The Ideal Halo Lite OpenTherm Wired Combi is a single zone combi programmable room Halo Lite comes with the same features and benefits as the Halo Lite RF, but in a wired configuration, reducing the need for battery maintenance.

ALSO COMPATIBLE WITH HP290

HALO RF 222140

Halo RF is a wireless Programmable room thermostat, designed to work specifically with your Ideal Heating boiler. Halo RF offers you fast, flexible and intelligent wireless technology and is packed with a wide range of features that enable simple and easy heating control, this includes flexible scheduling, override, plus hours, fault notifications, holiday mode and a child lock.

Halo's compact and contemporary design makes it suitable for any home, either modestly mounted to the wall or discretely desktop mounted using the stand.

Halo RF comes in a Combi and Heat & System range.

SIMPLE DIAL AND BUTTON INTERFACE THAT'S EASY FOR EVERYONE TO USE

*2 year parts and labour warranty available when registered within 30 days of installation. Terms and conditions apply.

HALO **WI-FI** 222142

Halo Wi-Fi comes with the same benefits as the Halo RF, but with app-controlled heating, which gives you full control of your heating through your phone or device. Halo is also compatible with Amazon Alexa and Google Home, allowing you to control your heating and find out the temperature, all with your voice.

Halo Wi-Fi comes in a Combi and Heat & System range.

GEOLOCATION FOR LIFESTYLE BASED HEATING

HALO 2-ZONE EXTENSION KIT 222145

Enjoy the benefits of a multi-zone heating with the Halo 2-Zone Extension kit.

The Halo 2-Zone Extension kit is available for both Halo RF and Halo Wi-Fi, offering an extra level of heating control. Split your home into two separate zones of heating, setting a separate heating schedule and temperature range for the second zone. So if you're spending your days downstairs, you can set your upstairs heating to come on later helping to save energy.

The Halo 2-Zone Extension kit is fully modulating on both heating zones, helping to save energy usage.

TAILORED HEATING OVER 2 ZONES

REMOTE MONITORING, ACTIONABLE INSIGHTS

The ability to access real time information from the Logic boiler, including performance data and fault codes, brings a whole new level of insight for those managing the heating and hot water demands of a large tenant population.

Designed in-house

Our Link range is developed in-house specifically for Ideal Heating boilers. This intimate understanding of both our boilers and Link platform enables us to provide a deeper level of insight, unlike 3rd party solutions.

Our Link Cellular module contains a roaming SIM card that communicates to the Partner Portal using mobile phone technology. There's no monthly or yearly data subscription, Link Cellular is a one-off cost for 10 years of data.

Link Cellular can be installed with an OpenTherm controller such as Halo Lite or Halo Lite RF to offer you the greatest insight into the full heating ecosystem, allowing you to see current and target room temperatures.

LINK CELLULAR MODULE

Install in 5 minutes as no external wiring is required, simply plug the module into the aperture on the Logic2. The Link Cellular is powered by low voltage direct from the boiler.

OpenTherm Halo controls

Link Cellular module

Partner Portal Powered by Link

Logic Boiler

THE PARTNER PORTAL.

Our purpose-built Partner Portal is designed to make managing your boiler fleet easier and more efficient. With increased loading speeds, all boiler data including faults is sent directly to the cloud, accessible by an unlimited number of user accounts with multiple role options available (admin, installer, user).

The Partner Portal APIs can be integrated into your existing IT systems seamlessly.
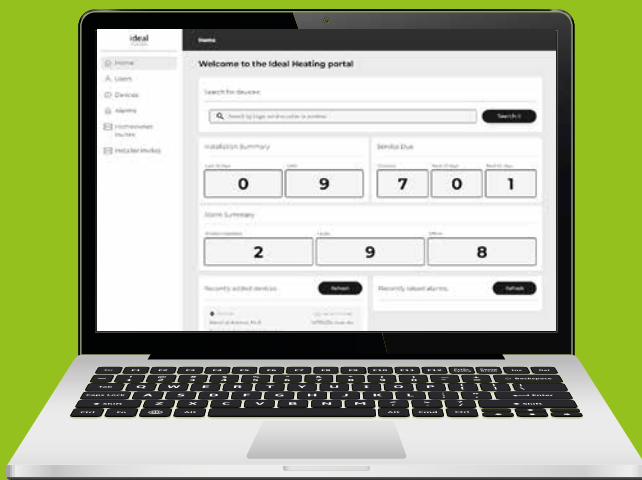
Through the Partner Portal you will have:

1. Full visibility of your boiler fleet with health data, service reminders and fault notifications displayed

2. Access to real time information from each boiler including performance data and fault codes with the ability to remote reset (when safe)

3. The ability to remotely adjust set point temperatures

4. Historical boiler data records to track and chart usage and performance over time

Actionable insights from the data

Understand tenant usage patterns and behaviours to identify and address unusual activity or possible fuel poverty

Fault codes displayed supporting 'first-fix' maintenance - understand the problem before an engineer visit

View boiler service status with service due notifications for effective management of engineer resource

---

REMOTE MONITORING SOLUTION.

Our Link remote monitoring solution helps to support you as a social housing association across multiple areas:

> **Efficiency**
  Engineer and support centre resource

> **Tenant welfare**

> **Sustainability / environmental**

> **Compliance**

Key features of our Partner Portal include:

> Service reminders

> Email alert and summaries

> Full visibility including installation numbers and servicing status

> Unlimited numbers of user accounts

> Boiler fault & alarm history

> History/time series data charts

> API's to integrate the Partner Portal into existing IT systems

---

LOGIC AIR

HEAT PUMP   4 5 8 10 kW

4kW - AH750664 | 5kW - AH750665 | 8kW - AH750666 | 10kW - AH750667

Q QUIET MARK

The Logic Air heat pump range is our new range of monobloc heat pumps, offering great efficiencies both in heating and hot water. The Logic Air is designed to deliver efficient, simple and reliable low carbon heating in homes throughout the UK.

KEY FEATURES

✓ Designed for the UK climate

✓ Quiet operation

✓ Up to 60°C hot water in rain, ice and snow

✓ Flexible warranty

✓ 364 day a year UK customer service

✓ SCOP rating up to 519%*

✓ R32 refrigerant

A+++ EFFICIENCY RATING

PCDB INDEX

Flow Temp	Logic Air 4kW	Logic Air 5kW	Logic Air 8kW	Logic Air 10kW
Flow temp 35°C	107447	107235	106762	106754
Flow temp 45°C	107446	107234	106761	106753
Flow temp 55°C	107445	107233	106760	106752

*Performance data in accordance with EN 14825, EN 12102-1, EN 14511. The energy efficiency provided may not correspond to the actual energy once installed in a building, as the efficiency is influenced by other factors such as heat loss in the distribution system and the capacity of the products in relation to building size and characteristics.

OVERVIEW

Taking the learnings from the award winning Logic boiler, the Logic Air heat pump integrates seamlessly with UK homes, partnered with our best in class pre-plumbed hot water cylinder and our connected Halo Air room thermostat, the Logic Air is quick to install, easy to commission and simple to use.

Our new heat pumps are supported by our industry leading customer service and warranty team which is based in the UK and is open 364 days a year, providing customer service and technical support.
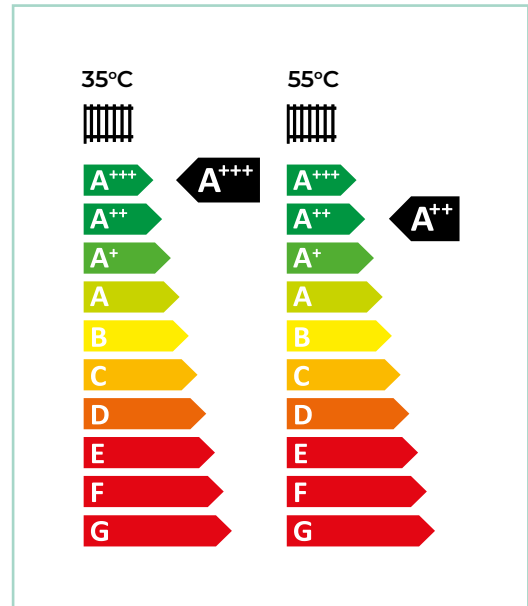
CLEARANCES & DIMENSIONS

All Dimensions in **mm**

	4kW & 5kW	8kW & 10kW
A	798	1008
B	518	518
C	1095	1095
D	499	499
E	518	518
F	558	558
G	688	688
H	516	516
I	80	80
J	184	184
K	140	140
L	95	95
M	84	84
N	48	48
O	90	90
P	103	105
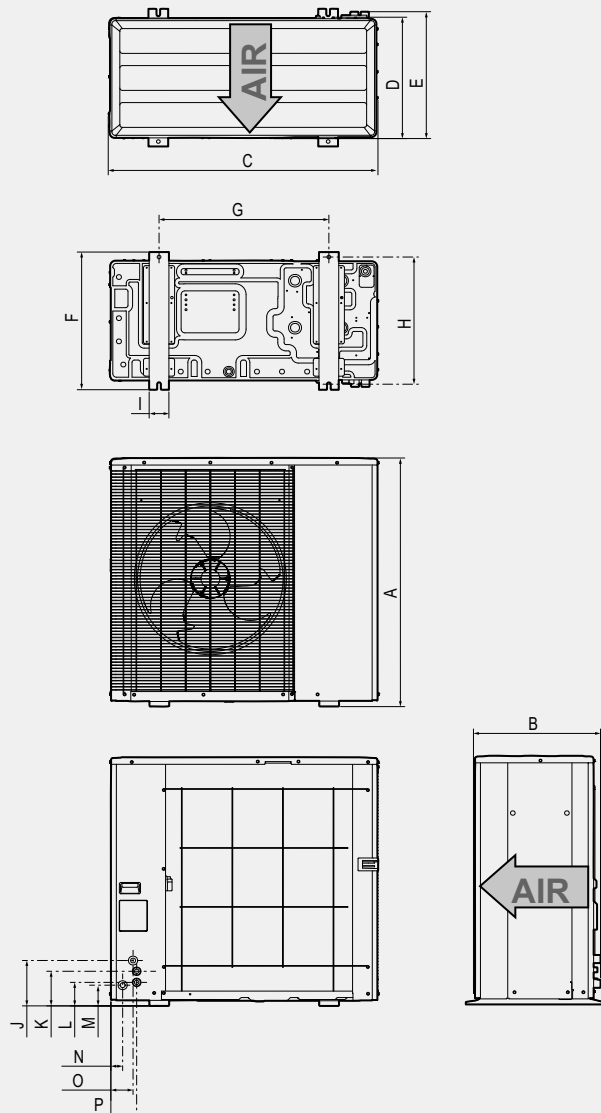
LOGICAL SOLUTIONS

✓ EFFICIENCY

The efficiency rating of a heat pump determines how much it costs to use. A high efficiency rating means it costs less to operate.
The Logic Air has one of the highest efficiency ratings in the UK, rated at 5.19 (Coefficient of performance) making it one of the most economical heat pumps on the market.

✓ SOUND AND DIMENSIONS

Sound and dimensions are important, not just for our customers comfort level, but to MCS and the Planning office. The Logic Air is quiet and compact. Small enough for permitted development with the local planning authority and cutting edge acoustic technology makes its low sound levels amongst the best in the market.

✓ FAST HEAT PUMP INSTALLATION

Our Logic Air heat pump, pre-plumbed cylinders and Halo Air room thermostat are designed to be amongst the fastest heat pumps to install. Factory fitted components, click and connect wiring terminals reduce installation time and improve installation reliability.

✓ HOT WATER

Ensuring enough hot water can be generated efficiently and quickly is crucial to a heat pump system. The Logic Air pre-plumbed hot water cylinder can generate hot water faster than some of the most popular heat pump DHW cylinders in the UK, saving money and energy.

✓ SIMPLE TO USE, APP CONTROL AND ONLINE HEALTH CHECKS

Halo Air is a new generation of heat pump thermostats connected to your phone with options to connect to our customer service team. Halo Air automatically makes your heating system more efficient, enables remote control and 24/7 system performance data.
All wrapped up in an easy to use controller.

✓ SAFE AS STANDARD

R32 refrigerant has a flammability rating almost 85% lower than propane alternatives. With a '0' ozone depletion rating and a low global warming potential, R32 is safe efficient and reliable.

Scan me
to watch our
case studies

HP290
MONOBLOC

HEAT PUMP 4.5 6 8 10 12 14 kW

4.5kW - 241486 | 6kW - 241487 | 8kW - 241488 10kW - 241489 | 12kW - 241490 | 14kW - 241491

The HP290 monobloc heat pump offers a low-GWP refrigerant with high efficiencies.

KEY FEATURES

✓ Low GWP R290 Refrigerant

✓ Highly efficient: SCOP up to 500%*

✓ Intuitive control: smart weather compensating controls

✓ Low carbon refrigerant: zero ozone depletion and low global warming potential

✓ Smart grid and solar PV compatible

✓ Monobloc technology enables easy installation and servicing

✓ Domestic hot water: hot, efficient and fast re-heat times with the ideal heat pump cylinder range

✓ Flow temperatures up to 75°C

A+++ EFFICIENCY RATING

*Performance data in accordance with EN 14825 : 2016, EN 12102, EN 14511 : 2018. The energy efficiency provided may not correspond to the actual energy once installed in a building, as the efficiency is influenced by other factors such as heat loss in the distribution system and the capacity of the products in relation to building size and characteristics.

OVERVIEW

The HP290 can provide efficient heating and hot water throughout the year by utilising our pre-plumbed and pre-wired cylinder. The system offers our users an aesthetically pleasing heating solution and when paired with Halo Lite RF, a great user experience.

Our heat pumps are supported by our industry leading customer service and warranty team which is based in the UK and is open 364-days a year, providing customer service and technical support.
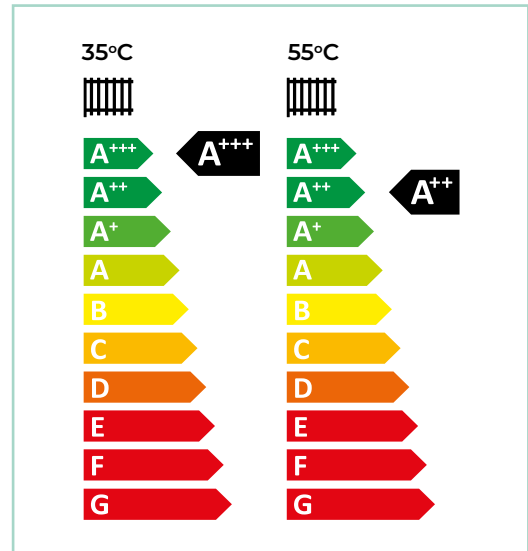
CLEARANCES & DIMENSIONS

All Dimensions in **mm**

	4.5kW & 6kW	8kW - 14kW
A	717	865
B	1299	1385
C	426	523
D	375	456
E	121	192
F	644	656
G	379	363
H	71	68
I	161	145
J	91	100
K	91	129
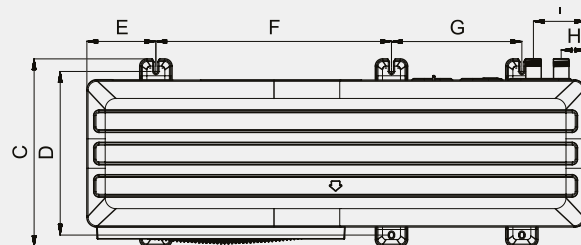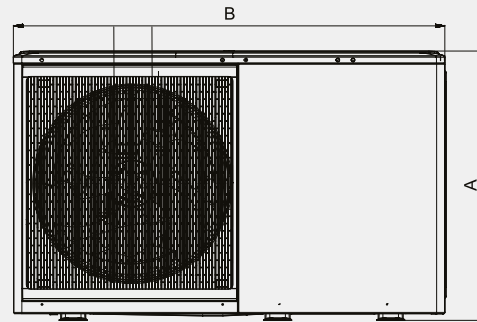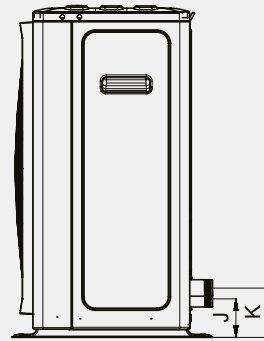
THE TECHNOLOGY

HEAT PUMP CYCLE

Useful Heat

Water Out

Heating & Hot Water

Water In

Heat Exchanger

Condenser

Compressor

Expansion Valve

Evaporator

Ambient Air

1 **2** **3** **4**
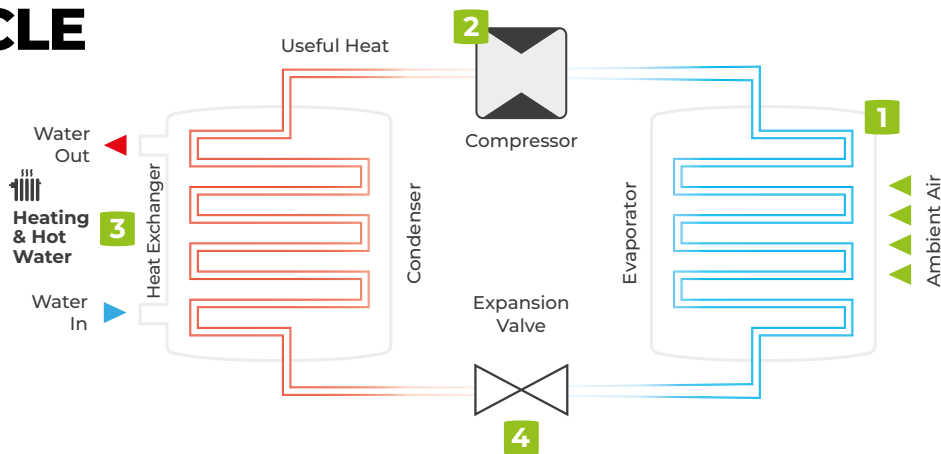
1. Capture: The fan passes ambient air over extremely cold liquid refrigerant. The refrigerant captures the heat from the ambient air and becomes a warm vapour.

2. Compress: The warm refrigerant vapour passes through a compressor which produces hot refrigerant and usable heat.

3. Exchange: The heat in the hot refrigerant is then transferred to the heating and hot water cylinder through a heat exchanger.

4. Expand: Once the heat has been transferred to the house, the refrigerant passes through an expansion valve which reduces its temperature, making it cold again and enabling it to capture heat from the ambient air, continuing the cycle.

SOUND PRESSURE AND SOUND POWER

50 dB(A) Average Home

40 dB(A) Quiet Library

35 dB(A) Alfea Heat Pump

30 dB(A) Whisper quiet

1m

3m

5m

7m
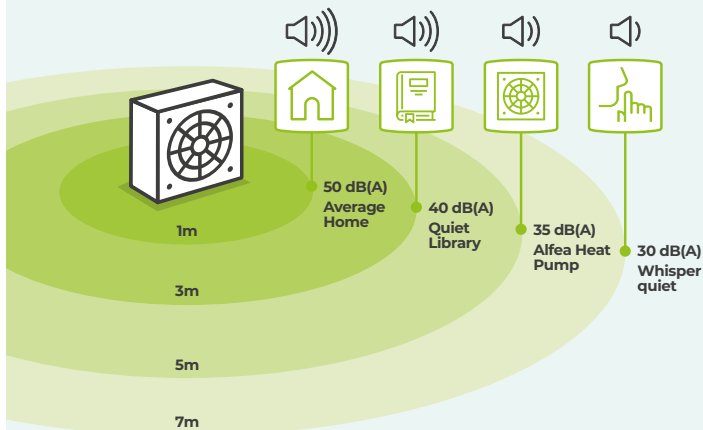
Sound power
The way we calculate the sound a heat pump makes is by measuring the sound power and sound pressure. The sound power level is the sound that is emitted from the unit in laboratory conditions and is displayed on the ErP label.

Sound pressure
The sound noise level (sound pressure) measures the level of sound that you hear above the sound that already exists in the background. Sound pressure is lower than sound power.

Quiet Mark
The Logic Air range of heat pumps have all achieved Quiet Mark certification. Quiet mark is associated with the noise abatement society and technically assesses and certifies the quietest heat pumps in the heating industry.

COP & SCOP
MEASURES OF EFFICIENCY

Energy collected from the atmosphere

4 kW

1kW

Electrical energy in

HEAT PUMP

5kW

High temperature heat output
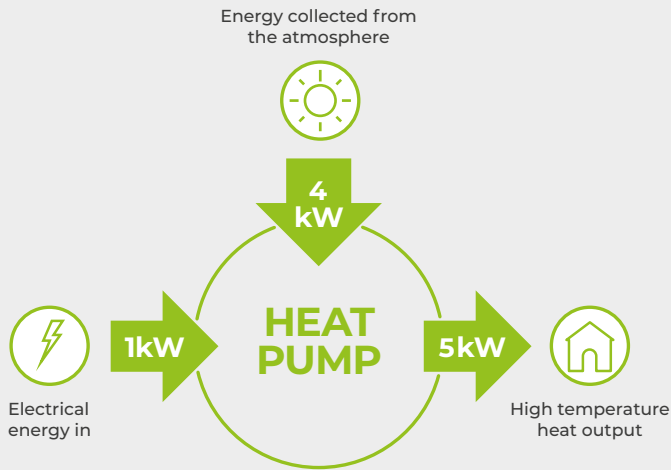
COP - COEFFICIENT OF PERFORMANCE

The coefficient of performance (COP) helps us measure the efficiency of a heat pump. The COP calculates the amount of heat energy a heat pump can create from each unit of electricity it uses.

$$COP = \frac{HEAT\ OUTPUT}{ELECTRICAL\ INPUT}$$

SCOP

Atmosphere

3.5 kW

1kW

Electrical power in

HEAT PUMP

4.5kW

High temperature heat output
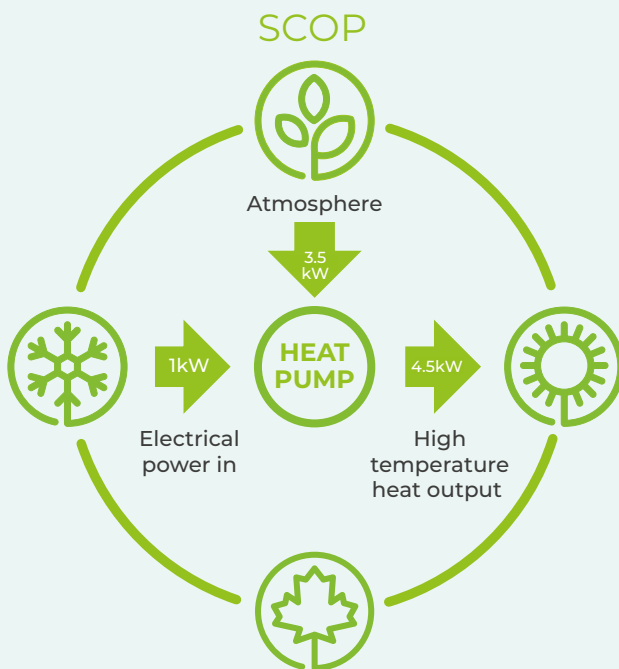
SCOP - SEASONAL COEFFICIENT OF PERFORMANCE

The seasonal coefficient of performance (SCOP) is the average COP carried over the annual heating season (the full year).

LOGIC AIR AND HP290

PRE-PLUMBED CYLINDER

Our stainless steel pre-plumbed hot water cylinders combine efficiency with practicality. Designed and manufactured in the UK and boasting industry leading reheat times, our cylinders have been designed to store and generate hot water efficiently using a heat pump.

DESIGNED TO FIT IN UK HOMES

KEY FEATURES

- ✓ 60°C DHW
- ✓ 28.5% energy savings*
- ✓ Built in low loss header or buffer tank
- ✓ 49% faster reheat times*
- ✓ Fully pre-plumbed and pre-wired

The Logic Air pre-plumbed cylinder rage comes in **16 variants** from **single-zone** 150 Litre to **2-zone** 300 Litre

NEW COMBINED DHW AND BUFFER CYLINDERS

The new pre-plumbed cylinder range includes models with an integrated buffer. Housing the DHW cylinder and separate buffer tank in the same case, alongside pre-wired circulation pumps and all the standard pre-plumbing components.

NEW LOW LOSS HEADER

Our new pre-plumbed low loss header cylinders de-couple the heating system from the heat pump protecting flow rates and enabling 2-zone control.

Control box

Built-in 3 port valve

Low loss header

Immersion

Ideal combined HP filter (magnet and strainer)

Inlet control combi valve

PRV

High temp cut-out

Multi-pass heat exchange

Central heating circulation pumps (1 or 2-Zone)
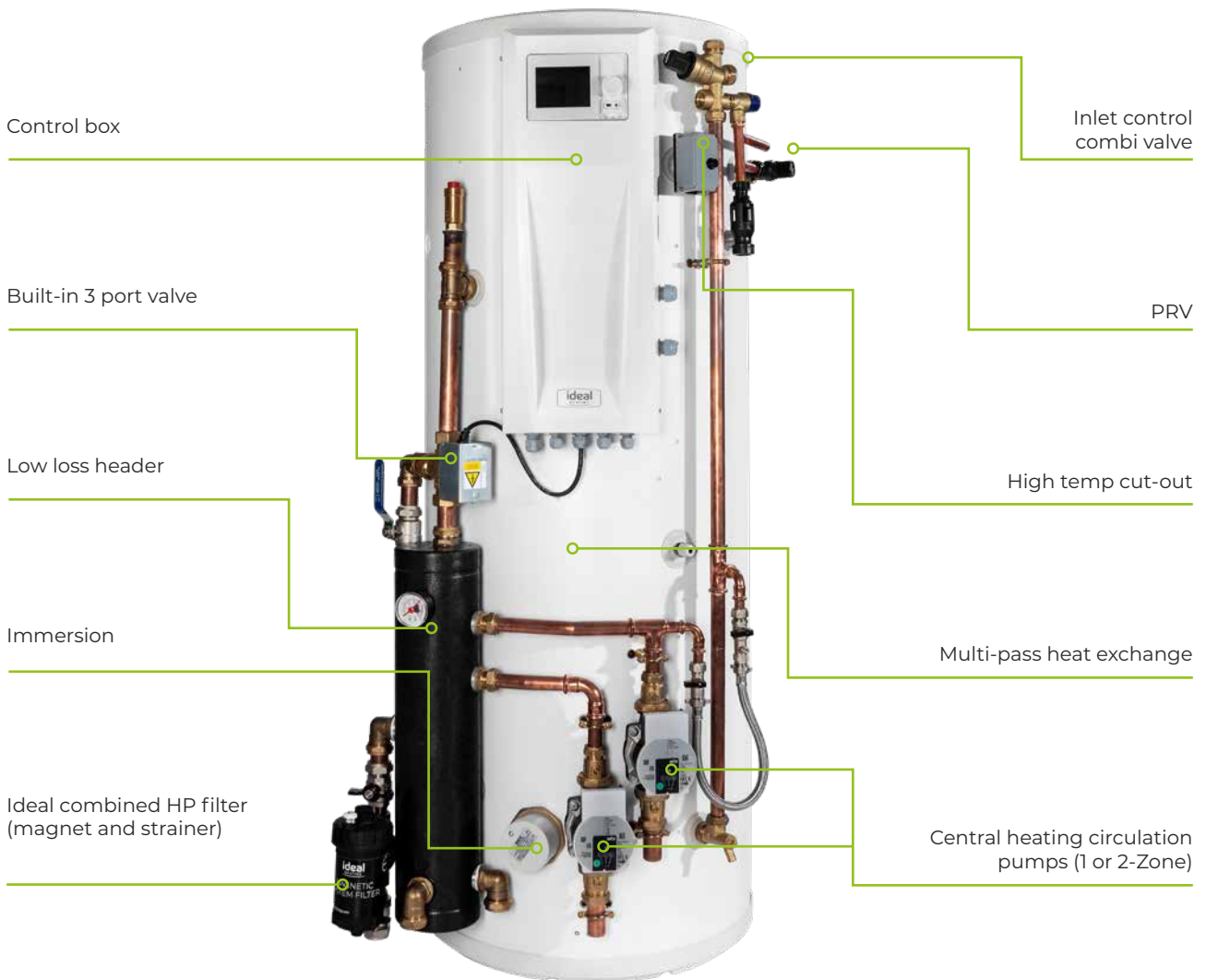
*Performance figures from for HWA 002:2020 heat pump test results

LOGIC AIR & HP290

LOGIC AIR TWO ZONE PRE-PLUMBED CYLINDERS WITH LOW LOSS HEADER			
LOGIC AIR DHW CYL PP 210 CBOX LL 2Z SL	LOGIC AIR DHW CYL PP 210 CBOX LL 2Z	LOGIC AIR DHW CYL PP 250 CBOX LL 2Z	LOGIC AIR DHW CYL PP 300 CBOX LL 2Z
236205	236200	236201	236202

LOGIC AIR SINGLE ZONE PRE-PLUMBED CYLINDERS			
LOGIC AIR DHW CYL PP 150 CBOX 1Z SL	LOGIC AIR DHW CYL PP 180 CBOX 1Z SL	LOGIC AIR DHW CYL PP 150 CBOX 1Z	LOGIC AIR DHW CYL PP 180 CBOX 1Z
236203	236204	236198	236199

LOGIC AIR SINGLE ZONE PRE PLUMBED CYLINDER WITH INTEGRATED BUFFER			
DHW CYL PP 180 CBOX BUFF 1Z	DHW CYL PP 210 CBOX BUFF 1Z	DHW CYL PP 250 CBOX BUFF 1Z	DHW CYL PP 300 CBOX BUFF 1Z
236206	236208	236210	236212

LOGIC AIR TWO ZONE PRE-PLUMBED CYLINDERS WITH INTEGRATED BUFFER			
DHW CYL PP 180 CBOX BUFF 2Z	DHW CYL PP 210 CBOX BUFF 2Z	DHW CYL PP 250 CBOX BUFF 2Z	DHW CYL PP 300 CBOX BUFF 2Z
236207	236209	236211	236213

HP290 TWO ZONE PRE-PLUMBED CYLINDERS WITH LOW LOSS HEADER			
HP290 DHW CYL PP 210 CBOX LL 2Z SL	HP290 DHW CYL PP 210 CBOX LL 2Z	HP290 DHW CYL PP 250 CBOX LL 2Z	HP290 DHW CYL PP 300 CBOX LL 2Z
240129	240124	240125	240126

HP290 SINGLE ZONE PRE-PLUMBED CYLINDERS			
HP290 DHW CYL PP 150 CBOX 1Z SL	HP290 DHW CYL PP 180CBOX 1Z SL	HP290 DHW CYL PP 150 CBOX 1Z	HP290 DHW CYL PP 180 CBOX 1Z
240127	240128	240122	240123

HP290 SINGLE ZONE PRE-PLUMBED DHW CYLINDERS WITH INTEGRATED BUFFER			
HP290 DHW CYL PP 180 CBOX BUFF 1Z	HP290 DHW CYL PP 210 CBOX BUFF 1Z	HP290 DHW CYL PP 250 CBOX BUFF 1Z	HP290 DHW CYL PP 300 CBOX BUFF 1Z
240130	240132	240134	240136

HP290 TWO ZONE PRE-PLUMBED DHW CYLINDERS WITH INTEGRATED BUFFER			
HP290 DHW CYL PP 180 CBOX BUFF 2Z	HP290 DHW CYL PP 210 CBOX BUFF 2Z	HP290 DHW CYL PP 250 CBOX BUFF 2Z	HP290 DHW CYL PP 300 CBOX BUFF 2Z
240131	240133	240135	240137

LOGIC AIR
AND HP290

SINGLE ZONE PRE-PLUMBED CYLINDER

Scan me for full technical specification

The single zone pre-plumbed cylinder range offer super fast reheat times thanks to the highly efficient multi-coil heat exchanger. They are also really easy to install since they come pre-plumbed and pre-wired ready for installation with the Logic Air or HP290 heat pump.

INDUSTRY LEADING REHEAT TIMES

KEY FEATURES

- ✓ Fully Pre-Plumbed and Pre-Wired
- ✓ Control box included
- ✓ 25 year warranty*
- ✓ UK Dimensions: Standard & Slimline
- ✓ Highly efficient multi-coil heat exchanger

LOGIC AIR AND HP290

TWO ZONE PRE-PLUMBED CYLINDER

The pre-plumbed cylinder range includes models with an integrated buffer. Housing the DHW cylinder and separate buffer tank in the same case, alongside pre-wired circulation pumps and all the standard pre-plumbing components.

DESIGNED TO FIT IN UK HOMES

KEY FEATURES

- ✔ Fully Pre-Plumbed and Pre-Wired
- ✔ Control box included
- ✔ 25 year warranty*
- ✔ UK Dimensions: Standard & Slimline
- ✔ Highly efficient multi-coil heat exchanger

LOGIC AIR AND HP290

PRE-PLUMBED CYLINDER WITH INTEGRATED BUFFER

Scan me for full technical specification

The pre-plumbed cylinder range includes models with an integrated buffer. Housing the DHW cylinder and separate buffer tank in the same case, alongside pre-wired circulation pumps and all the standard pre-plumbing components.
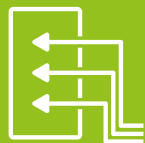
INTEGRATED BUFFER

KEY FEATURES

- ✓ Fully pre-plumbed and pre-wired
- ✓ Control box included
- ✓ Integrated buffer
- ✓ Includes circulation pumps
- ✓ Highly efficient multi-coil heat exchanger

AVAILABLE IN SINGLE ZONE AND TWO ZONE

HALO AIR

ROOM THERMOSTAT

Halo Air is a programmable room thermostat, based on the current Ideal Halo platform that is designed and developed to work seamlessly with the new Logic Air monobloc heat pump.

KEY FEATURES

✓ Designed for Logic Air

✓ Easy to install

✓ Full heating and hot water control

✓ Load compensating control

HALO AIR RF
234790

Halo Air RF is a wireless programmable room thermostat designed specifically to work with Logic Air.

Halo Air offers fast, flexible and intelligent wireless technology and is packed with features that enable simple and easy heating and hot water control.

*2 year parts and labour warranty available when registered within 30 days of installation. Terms and conditions apply.

HALO AIR WI-FI
234819

Halo Air Wi-Fi is engineered specifically to work with Logic Air heat pumps and allows flexible control of heating and hot water with the intuitive Halo app, which can be connected through smart home devices like Amazon Alexa and Google Home.

It's simple to install, straightforward for everyone to use, no matter where they are.

*2 year parts and labour warranty available when registered within 30 days of installation. Terms and conditions apply.

HALO AIR 2-ZONE RF
234792

Halo Air 2-Zone RF incorporates an additional programmable room thermostat with the extra functionality of controlling the temperature of a second zone.

*2 year parts and labour warranty available when registered within 30 days of installation. Terms and conditions apply.

HALO AIR 2-ZONE WI-FI
234791

Halo Air 2-Zone Wi-Fi incorporates an additional programmable room thermostat with the extra functionality of controlling the temperature of a second zone.

*2 year parts and labour warranty available when registered within 30 days of installation. Terms and conditions apply.

LOGIC AIR

CONTROL BOX

235797

The Logic Air control box is the central hub for the heat pump system, linking the heat pump to your heating and hot water cylinder. It enables in depth control, scheduling, connectivity and performance diagnostics.

INBUILT HEAT PUMP CONTROLLER

Our inbuilt controller uses tried and tested technology to keep you warm efficiently. From scheduling to diagnostics our controller gives you control and transparency.

QUICK START SET UP

Our new quick start menu makes commissioning fast, easy and accurate. In just a few steps the heat pump can be up and running and tuned to its most efficient parameters.

CONNECTIVITY

The Logic Air control box is compatible with Halo Air, Link Cellular heat pump diagnostics and 3rd party thermostats, giving you access to online control, scheduling and remote diagnostics from anywhere in the world.

PERFORMANCE DIAGNOSTICS

The Logic Air control box gives you access to the efficiency of the householders heating system, helping them to understand the health of their heat pump system at a glance.

HP290

CONTROL BOX

239386

The HP290 control box is a hub for a HP290 heat pump system. By bringing all electrical connections to one central location, the HP290 control box enables a fast and simple installation experience.

DESIGNED FOR HP290

Designed by Ideal Heating, the HP290 control box offers heat pump installers a quick and simple installation.

HYBRID AND CASCADE READY

For more complex installations, the HP290 control box can seamlessly bring the HP290 heat pump together with either a boiler in hybrid mode or another HP290 in cascade installations.

FLEXIBLE

The HP290 control box gives the HP290 the ability to work with all types of UK heating systems, from traditional radiators to underfloor heating, with the ability to control more than one heating zone.

PERFORMANCE MONITORING

With the HP290 control box, end users can see how their heat pump system is performing on a daily, weekly and annual basis, giving them piece of mind that their heat pump is working as it should be.

CLEARANCES & DIMENSIONS

All Dimensions in **mm**

LOGIC AIR
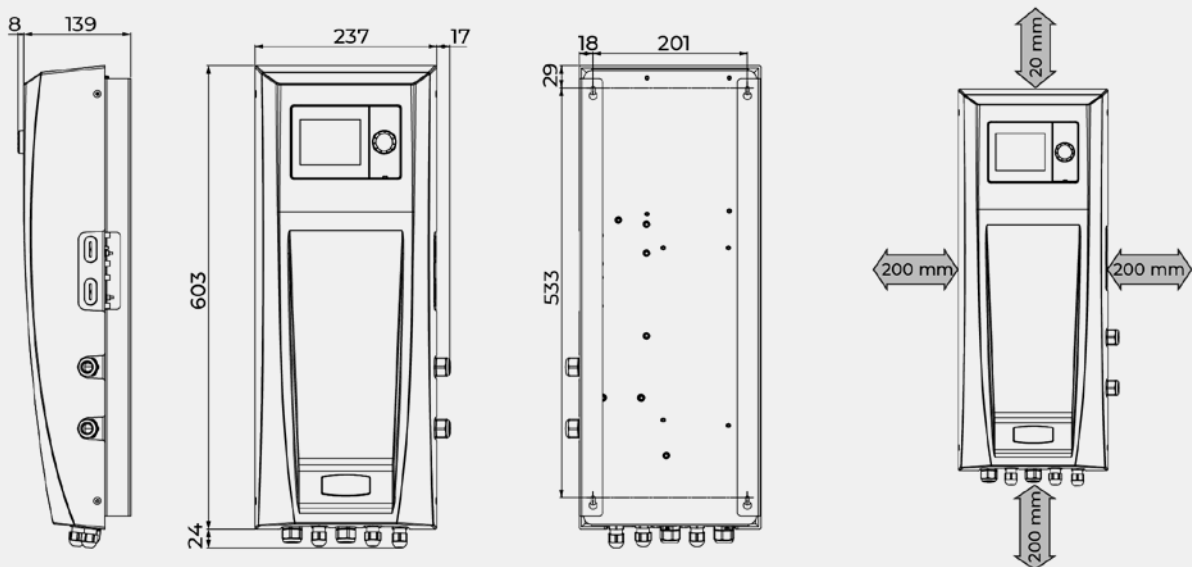
HP290
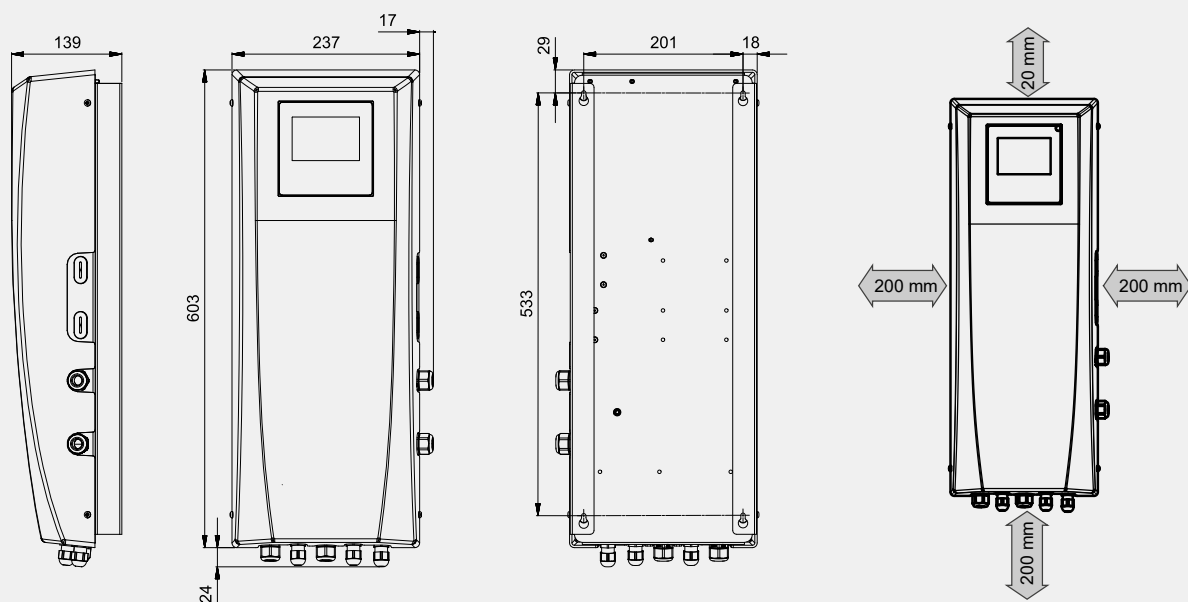
CONTROL BOX		
Physical properties		
Weight	kg	5
Height	mm	627
Width	mm	254
Depth	mm	147
ELECTRICAL PROPERTIES		
IP rating	IP	20
Rated voltage	VAC	220-240
Maximum rated current (control box)	A	1
Maximum rated current (contactor)	A	16
Rated power input (control box)	W	100
Rated power input (contactor)	W	3000

HP290

CONTROLLER

241519

The HP290 controller offers a budget friendly and flexible option for those not looking to purchase the HP290 Control Box.

The HP290 controller provides the controls and user interface for the HP290 heat pump without the electrical ancillaries, indoor wiring centre or control box. For further details on the additional installation requirements please see the HP290 Installation and maintenance guide.
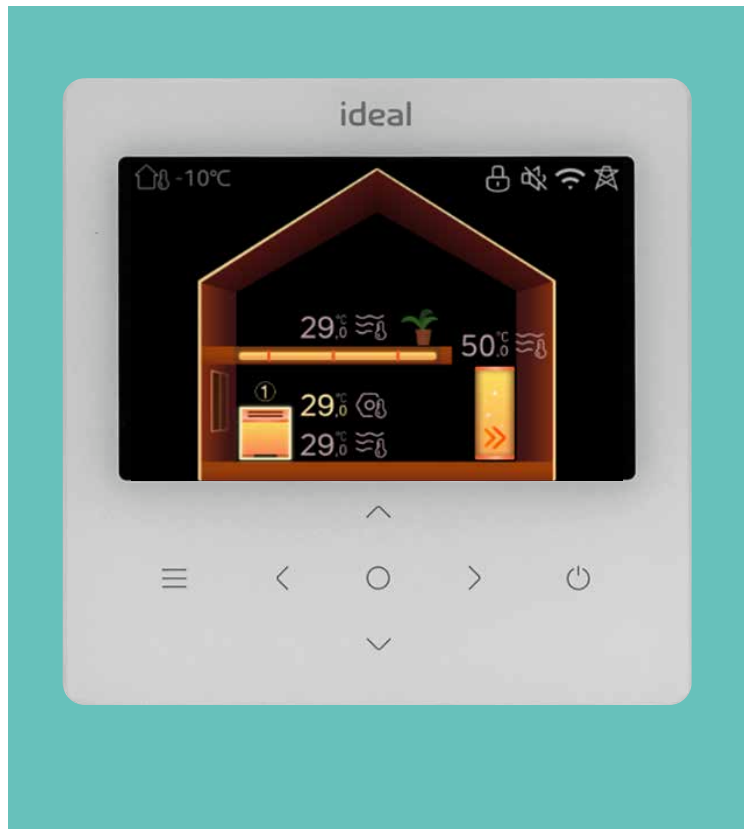
ALFEA EXTENSA A.I. R32

HEAT PUMP 5 6 8 10 kW

5kW - AH526349 | 6kW - AH526346 | 8kW - AH526347 | 10kW - AH526348

Scan me for full technical specification

The Ideal Alfea uses intelligent technology to redefine how we heat our homes. Our new refrigerant balances industry-leading efficiencies with an ultra-low environmental impact, using patented technology to match performance with reliability.

KEY FEATURES

✓ Suitable for new build, social housing and retrofit

✓ ERP A+++

✓ Quiet noise level: 35 dB(A)

✓ 474% rated efficiency (COP)

✓ R32 refrigerant

ENGINEERED FOR RELIABILITY

The Alfea A.I. range has a patented coaxial heat exchanger, a unique technology that has been developed to maximise the heat pump's performance.

This enables us to achieve unrivalled reliability and drives up efficiency. Our heat exchanger uses large water ways and tube in tube technology to ensure really good flow rates. We then capture all the energy from the heat exchanger by immersing it into our buffer tank and combining it with our backup immersion to speed up installation time and free up space.

The Ideal Alfea heat pump is redefining how we heat our homes, providing low carbon heating that is efficient, reliable, and effortlessly simple to use.

35°C

A+++
A++
A+
A
B
C
D
G

A+++

55°C

A+++
A++
A+
A
B
C
D
E
F
G

A++

A+++ EFFICIENCY RATING

CLEARANCES & DIMENSIONS

All Dimensions in **mm**

448

847
804

96 | 98

Heating return ø M 26x34   Heating flow ø M 26x34

81   477

AIR   324

353

580   AIR

330

886   77

632

21   9

ALFEA EXCELLIA
A.I. R410A

HEAT PUMP 11 14 16 kW

11kW - AH526245 | 14kW - AH526243 | 16kW - AH526244

The Ideal Alfea Excellia uses intelligent control to redefine how we heat our homes. With outputs suitable for larger homes or retrofit installations and patented heat exchanger technology the Alfea Excellia combines performance and reliability.

KEY FEATURES

✓ Suitable for new build, social housing and retrofit

✓ ERP A++

✓ Quiet noise level: 47 dB(A)

✓ 425% rated efficiency (COP)

✓ R32 refrigerant

ENGINEERED FOR RELIABILITY

The Alfea A.I. range has a patented coaxial heat exchanger, a unique technology that has been developed to maximise the heat pump's performance.

This enables us to achieve unrivalled reliability and drives up efficiency. Our heat exchanger uses large water ways and tube in tube technology to ensure really good flow rates. We then capture all the energy from the heat exchanger by immersing it into our buffer tank and combining it with our backup immersion to speed up installation time and free up space.

The Ideal Alfea heat pump is redefining how we heat our homes, providing low carbon heating that is efficient, reliable, and effortlessly simple to use.

35°C

A⁺⁺
A⁺
A
B
C
D
E
F
G

A⁺⁺

55°C

A⁺⁺
A⁺
A
B
C
D
E
F
G

A⁺

A++ EFFICIENCY RATING

CLEARANCES & DIMENSIONS

All Dimensions in **mm**

448

842

804

96   98

Heating return
ø M 26x34

Heating flow
ø M 26x34

81   477

650

370

Air

Flow opening
(Ø20)

4 holes (Ø10)

373

Air

Air

400

977

1290

INDUSTRY LEADING
CUSTOMER SERVICE

✓

EXPERTS TOGETHER

We are committed to delivering the highest level of customer service. Experts together with over 140 years experience of heating and hot water, we know how important confidence and trust are to our customers.

✓

364 DAYS A YEAR

We are is on hand to ensure you have the support you need. Our dedicated customer service department is available 364 days a year.

✓

TEAM OF EXPERTS

We also have a team of expert engineers, fully trained to exacting standards and Gas Safe registered, on hand to provide one-to-one advice on the road, over the phone or online ensuring you're fully supported, wherever and whenever you need.

IDEAL PARTNERSHIP

ideal-partnership.co.uk

View your Ideal boiler installations from one convenient place. CSR credits are available to support your local community each time you register your development.

> Access to warranty certificates and gas safe certification

> Running balance of CSR contributions

> Immediate access to warranty certification to verify if units are still within warranty period

> Overview of installing contractor

> Historic portfolio of Ideal housing stock

> View your Ideal boiler installations from one convenient place.

SAP

Partnered with Ideal our independent SAP Solution consultants Briary Energy can offer you a complete value-engineered solution to meet Building Regulations Compliance.

Our aim is to give you the most cost effective solution for your build, including building fabric, U-value calculations, thermal bridging, ventilation, heating and renewables.

As part of the Ideal Package, we will keep you up to date with the latest legislation helping you keep ahead of the game. We can even promise any question will be answered within 24 hours.

CONTRACTOR CONNECT

Register your boiler for building regulations compliance with Gas Safe Register for FREE with Contractor Connect. Get instant warranty certificates and earn great Contract Support rebates.

> Immediate access to download all warranty and Gas Safe certification

> Ideal warranty registration and Gas Safe all in one easy process

> Register your boiler for a FREE building regulations compliance with Gas Safe Register through your account.

> Historic registrations at your fingertips

> Registration of Heat Exchanger for 10 year warranty, if installed with an Ideal filter

> Transmits data into sister portal for social client to access

contractor-connect.co.uk

DESIGN SERVICE

As part of our design service, our in-house design team will find the right products for your development, design your heating system to achieve the necessary SAP ratings and finally deliver this to you as a fully detailed system plan.

FIRST CLASS INDUSTRY TRAINING

IN-PERSON

Work face-to face with our Experts in Heating.

Work on our leading range of products in-person with training delivered from your premises.

LIVE VIRTUAL

Always live, presented by our Experts in Heating.

Our live virtual training allows you to complete quality training online, without the travel time and costs. We use a fully equipped filming studio to provide high definition and detailed views. You can ask questions to our Experts throughout.

ON-DEMAND 24/7

What you need, when and where you need it!

Request a personal training account to access our comprehensive range of training products available to access 24/7. Designed to help you learn when suits you as well as providing on the job support.

Scan me to see our training courses
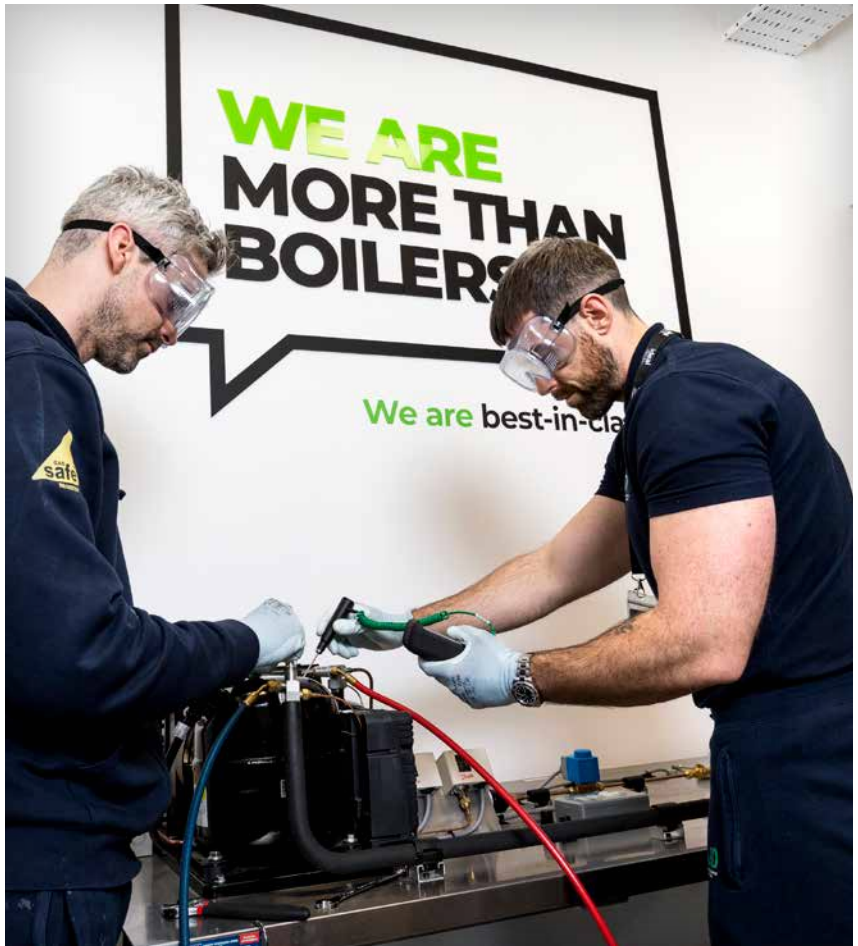
BOILER
FLUE SITTING

There are a substantial number of flue options available with the Ideal ranges, giving excellent siting flexibility for almost all applications. The range of options include standard and telescopic flues as well as roof flue and powered vertical flue options. To ensure siting issues are kept to a minimum, High Level Flue Outlet kit options and Flue Deflector kits are available.

8 Facing the boundary

16 Parallel to the boundary

15 At an angle to the boundary

14 Opening in adjacent building

All measurements : mm

Height Difference 'A'
Less than 300   B = 300
Greater than 300 B = 1500

690 Fixed

Height Difference 'A'

Separation Distance 'B'

625 fixed

All measurements : mm
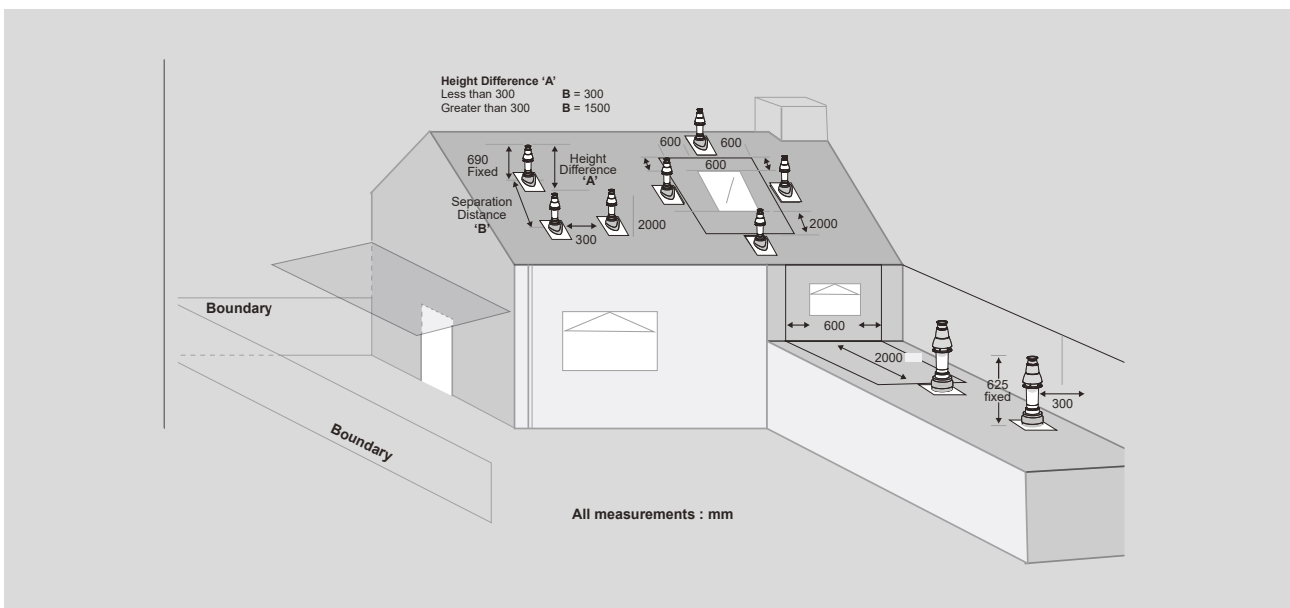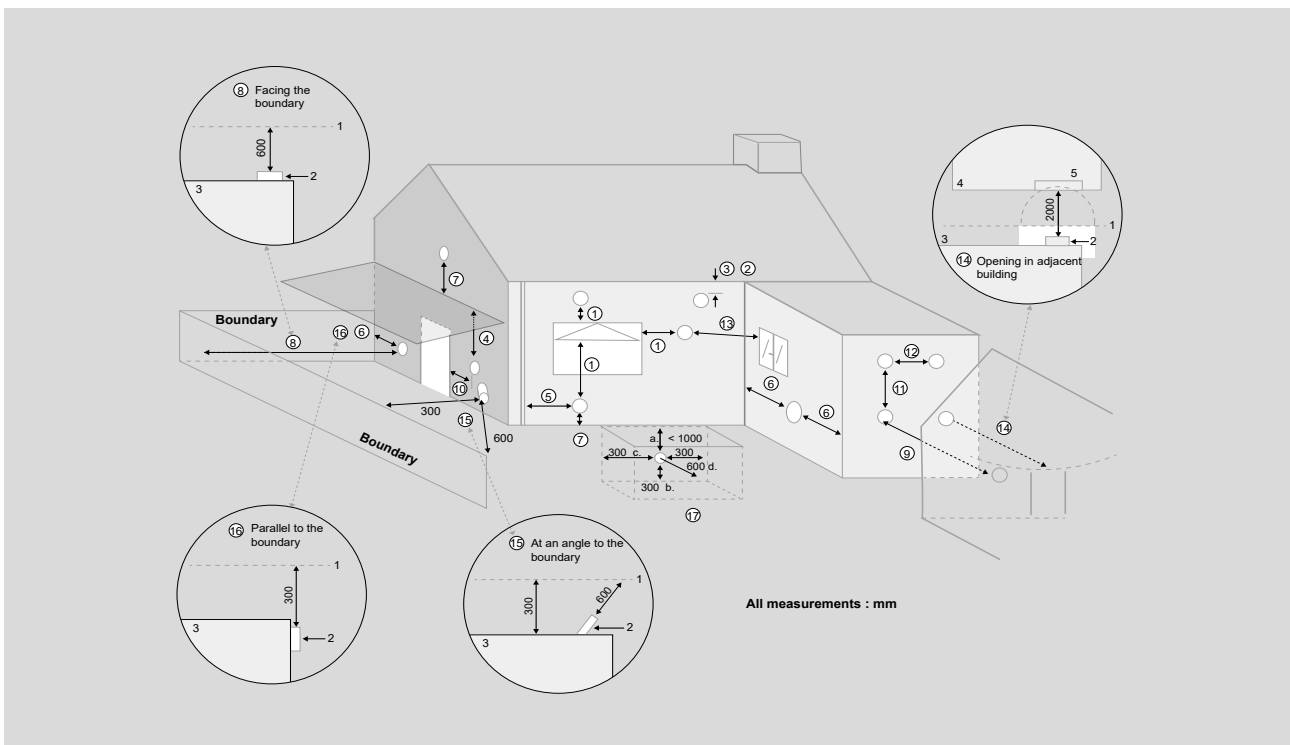
FLUE TERMINAL POSITION	MIN. SPACING
1. Directly below, above or alongside an opening. 300 mm	300mm
2. Below guttering, drain pipes or soil pipes.	75mm 25mm*
3. Below eaves.	200mm 25mm*
4. Below balconies or car port roof.	200mm 25mm*
5. From vertical drain pipes or soil pipes.	150mm 25mm*
6. From an internal or external corner or to a boundary alongside the terminal.	300mm 25mm*
7. Above ground, roof or balcony level.	300mm
8. From a surface or a boundary facing a terminal.	600mm
9. From a terminal facing a terminal.	1200mm
10. From an opening in a car port into dwelling.	1200mm
11. Vertically from a terminal on the same wall.	1500mm
12. Horizontally from a terminal wall.	300mm
13. Horizontally from an adjacent window	600mm
14. Facing an opening into an adjacent building	2000mm
15. At an angle to the boundary	300mm 600mm
16. Parallel to a boundary	300mm
17. Below ground level - open light well a) Below ground b)Above floor level c) From side d) From facing surface	 <1,000 mm 300mm 300mm 600mm

FLUE
CONFIGURATIONS

HORIZONTAL CONCENTRIC
100MM DIAMETER
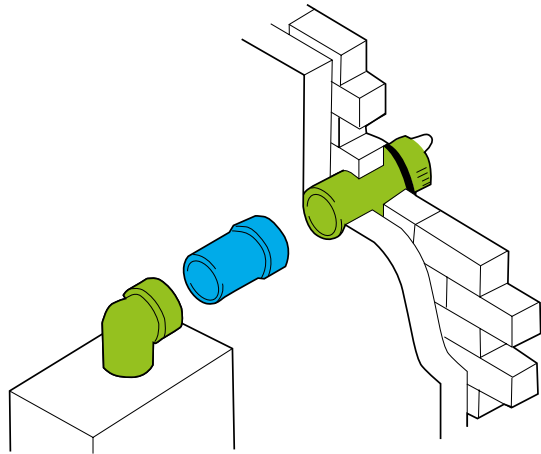
FLUE	PART NO.
Horizontal flue non-telescopic 0.6m	208171
Flue extension 1m with bracket	203129

ALTERNATIVE FLUE TERMINALS	PART NO.
Horizontal flue telescopic 0.5m	208169
Horizontal flue telescopic 0.7m	208174
Horizontal flue non-telescopic 0.8m	217442

HORIZONTAL FLUE WITH
1 X 90° BEND
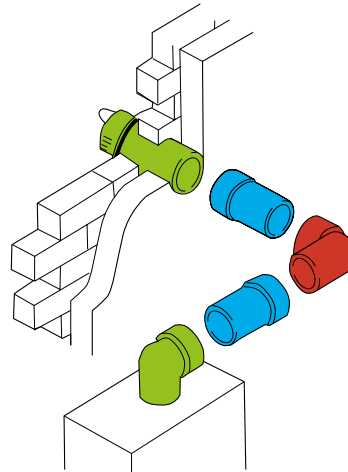
FLUE	PART NO.
Horizontal flue non-telescopic 0.6m	208171
Flue extension 1m with bracket	203129
Flue bend 90°	203130

HORIZONTAL FLUE WITH
2 X 90° BEND
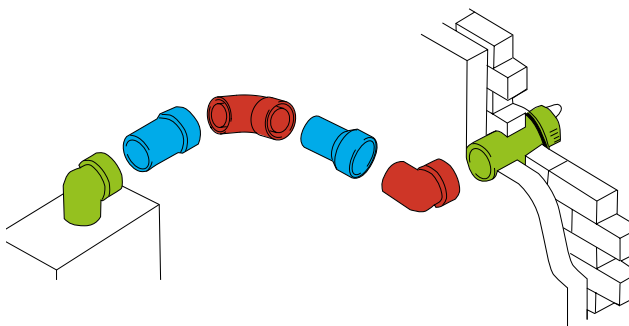
FLUE	PART NO.
Horizontal flue non-telescopic 0.6m	208171
Flue extension 1m with bracket	203129
Flue bend 90°	203130

HORIZONTAL FLUE WITH
2 X 45° BEND
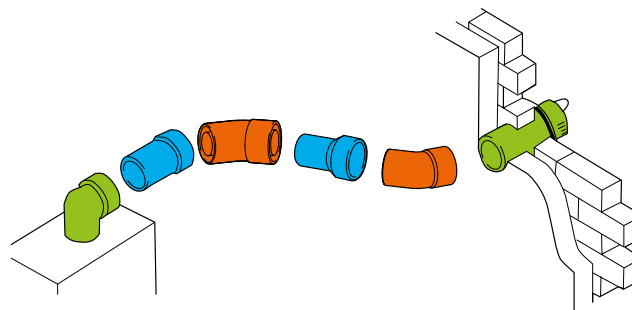
FLUE	PART NO.
Horizontal flue non-telescopic 0.6m	208171
Flue extension 1m with bracket	203129
Flue bend 45° pair	203131

VERTICAL FLUE SYSTEM
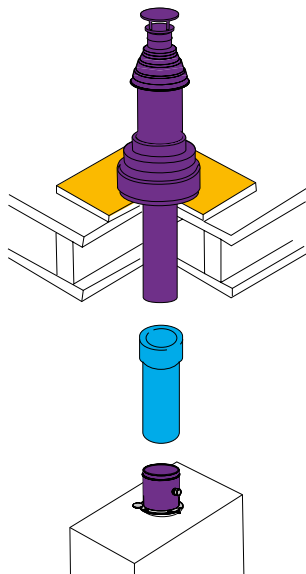
FLUE	PART NO.
Vertical flue terminal and connector	211039
Flue extension 1m with bracket	203129
Flat roof weather collar	152259

VERTICAL FLUE SYSTEM WITH 2 X 45° BEND
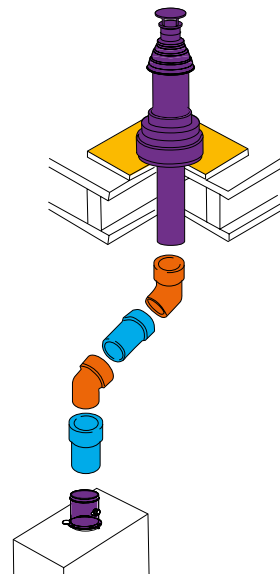
FLUE	PART NO.
Vertical flue terminal and connector	211039
Flue extension 1m with bracket	203129
Flue elbow 45° pair (Ø60/100)	203131
Flat roof weather collar	152259

VERTICAL FLUE WITH LOFT AIR INLET
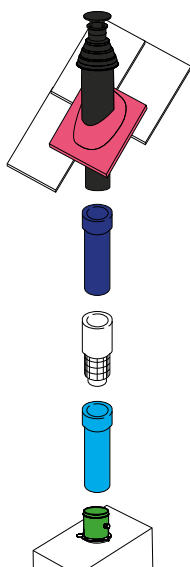
FLUE	PART NO.
Air inlet for vertical flue	203136
Flue vertical connector	208175
Vertical flue terminal	203134
Weather collar pitched roof	152258
Flue extension 1m with bracket	203129
Flue extension 1m pair (Ø80mm)	203142

HIGH LEVEL FLUE
OUTLET KIT

These easy to install kits allow the boiler flue outlet to be extended external to the building, upwards to provide a flue exit at high level, overcoming problems associated with plume emission. The kit is simple to retrofit if necessary.

An external 60mm diameter flue leads from the boiler terminal (which includes a 90° bend at the flue exit) to terminate with a 90° bend complete with grille. Push fit 1m extension pipes are used as required, and the fixing clips supplied support the system from the wall. Both 90° and 45° bend are available to provide routing options.
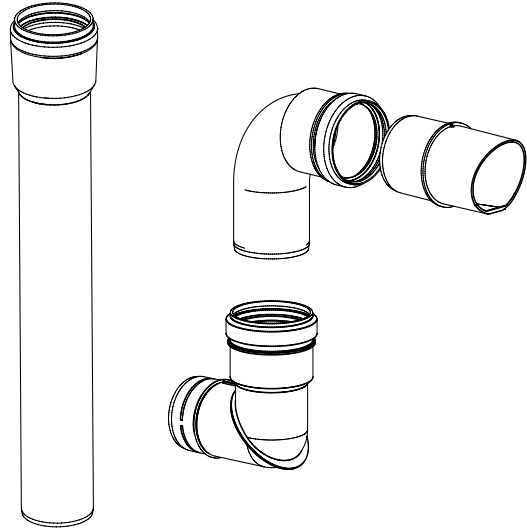
The kit comprises:

1 x Flue bend
1 x 60mm flue exit bend
1 x 60mm horizontal flue exit
1 x 60mm x 500mm flue extension pipe

This kit is for use with horizontal non-telescopic and telescopic flue kits 208169, 208171, 208174 and 217442.

The standard terminal nose is replaced with the high level terminal.

FLUE	IDEAL PART NO.
Horizontal flue non-telescopic 0.6m	208171
High level flue outlet kit (Ø60mm)	208178
Flue extension 1m for high level flue outlet (Ø60mm)	203228
High level flue bend 90° (Ø60mm)	203229
High level flue bend 45° (Ø60mm)	203230

Diagram representative only

NOTE: Please refer to the installation and service manual for assistance in calculating flue lengths. Adequate support must be provided for the flue in accordance with the installation instructions. If additional elbows to those supplied in the High Level Flue Outlet kit are used, deduct the following resistances (metres) from the maximum boiler flue length.
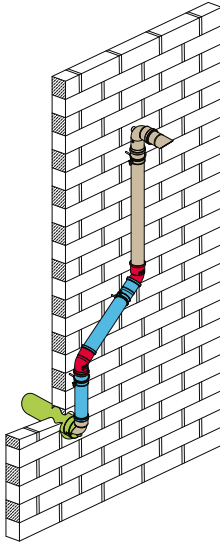
45° Left
or Right
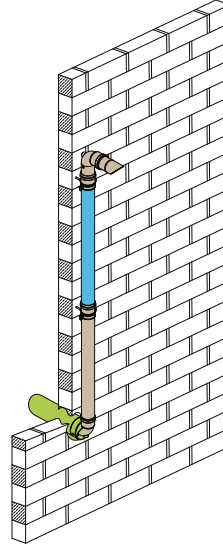
Vertical

Horizontal
Left or
Right

IMPORTANT
Flue must
always slope at
least 1.5˚
back to the
boiler
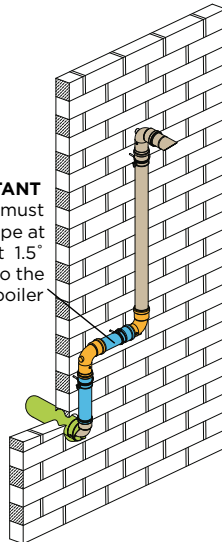
RESISTANCE	METRES
90° elbow	1.4
45° elbow (pair)	1.25

NOTE: If additional elbows to those supplied in the High Level Flue Outlet kit are used, deduct the following resistances (metres) from the maximum boiler flue length.

REAR FLUE & HIGH RISE FLUE OPTIONS

The Logic MAX Heat and Logic+ Heat both come with an optional rear flue outlet which means it can be installed directly behind the boiler rather than on top of it.
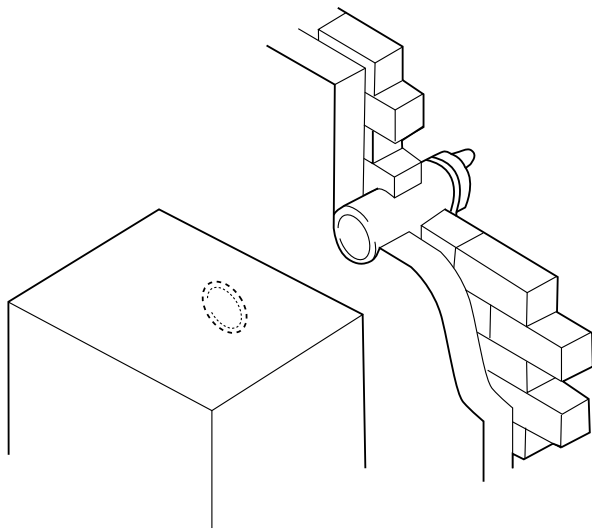
REAR OUTLET FLUE TERMINAL (55/80) - 80MM

FLUE	PART NO.
Rear outlet flue outlet kit (55/80)	205990

NOTE: Length is wall thickness. Minimum wall thickness permissible is 115mm. No extensions are permitted.

FLUEING ACCESSORIES	PART NO.
Flue finishing kit (55/80)	206151

LOGIC HEAT ONLY	PART NO.
High level outlet kit (55/80)	205989

NOTE: Please refer to the installation and service manual for assistance in calculating flue lengths. For 1m extension and elbows use standard parts 203228/9 & 30.
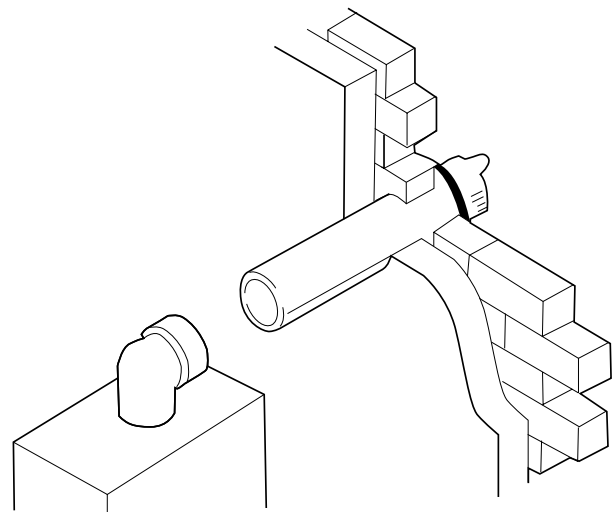
HIGH RISE FLUE KIT

FLUE	PART NO.
Horizontal high rise flue (0.6m long)	223629
Horizontal high rise flue (1m long)	224701
Flue extension (1m) high rise	224702
Balcony kit high rise	224703

NOTE: Similar to 208171 but with an aluminium flue duct and unpainted air duct to comply with the revised Building Regulations for buildings over 18m high.

FLUE ACCESSORIES

When Building Regulations direct that combustible materials must not be used in the external walls of high-rise residential buildings, our high rise flues with an inner aluminium flue duct should be used.

Horizontal flue non-telescopic 0.6m (181-556mm)

Ideal part no. 208171

Horizontal flue non-telescopic 0.8m (601-816mm)
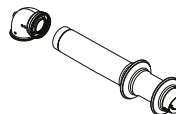
Ideal part no. 217442

Horizontal flue telescopic 0.5m (286-484mm)
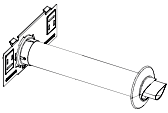
Ideal part no. 208169

Horizontal flue telescopic 0.7m (526-741mm)
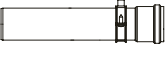
Ideal part no. 208174

Horizontal flue rear outlet Heat (Ø55/80mm)
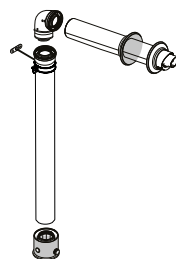
Ideal part no. 205990

Flue extension with bracket 0.5m, 1m or 2m

Ideal part no.
0.5m 211037
1m 203129
2m   211038
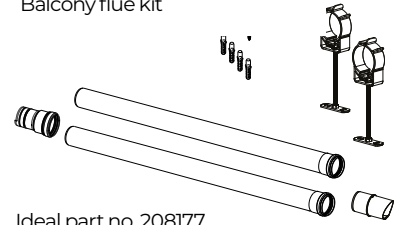
Raised horizontal flue kit

NOTE:
A 1 metre vertical pipe is supplied as standard. Both horizontal and vertical lengths can be extended.
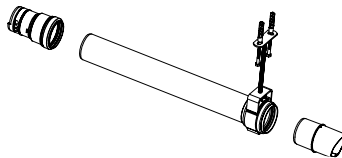
Ideal part no. 208290

Balcony flue kit

Ideal part no. 208177

Soffit flue kit
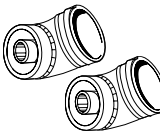
Ideal part no. 211302

Flue bend 90°
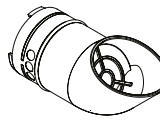
Ideal part no. 203130

Flue bend 45° pair
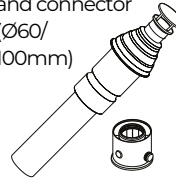
Ideal part no. 203131

Flue deflector (Ø 60mm)

Ideal part no. 208176

Vertical flue terminal and connector (Ø60/100mm)

Ideal part no. 211039

Vertical flue terminal (Ø60/100mm)

Ideal part no. 203132

Vertical flue connector (Ø60/100mm)

Ideal part no. 208175

Vertical flue terminal extension (Ø60/100mm)
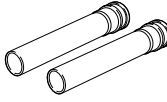
Ideal part no. 210803

Vertical flue loft air inlet (Ø80mm outlet)
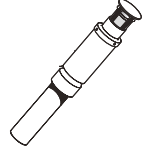
Ideal part no. 203136

Flue extension 1m pair (Ø80mm)

Ideal part no. 203142

Vertical flue terminal (Ø80mm connection
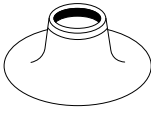
Ideal part no. 203134

Weather collar pitched roof

Ideal part no. 152258

Weather collar flat roof

Ideal part no. 152259

High level flue outlet kit (Ø60mm)

Ideal part no. 208178

Flue extension 1m for high level flue outlet (Ø60mm)
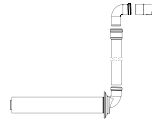
Ideal part no. 203228

High level flue bend 90° (Ø60mm)

Ideal part no.
90° 203229
45° 203230

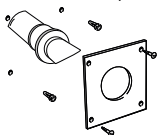High level flue outlet kit for Heat rear outlet

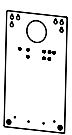Ideal part no. 205989

Adjustable flue bracket

Ideal part no.
Ø100 205247
Ø80 205028

Flue finishing kit (Ø100/80mm)

Ideal part no.
Ø100 155988
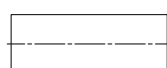Ø80 206151

RS terminal replacement wall plate

Ideal part no.
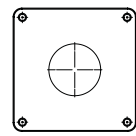System 211328
Combi 206164

Flue securing screws

Ideal part no. 205024

Timber frame wall tube 0.4m

Ideal part no. 229130
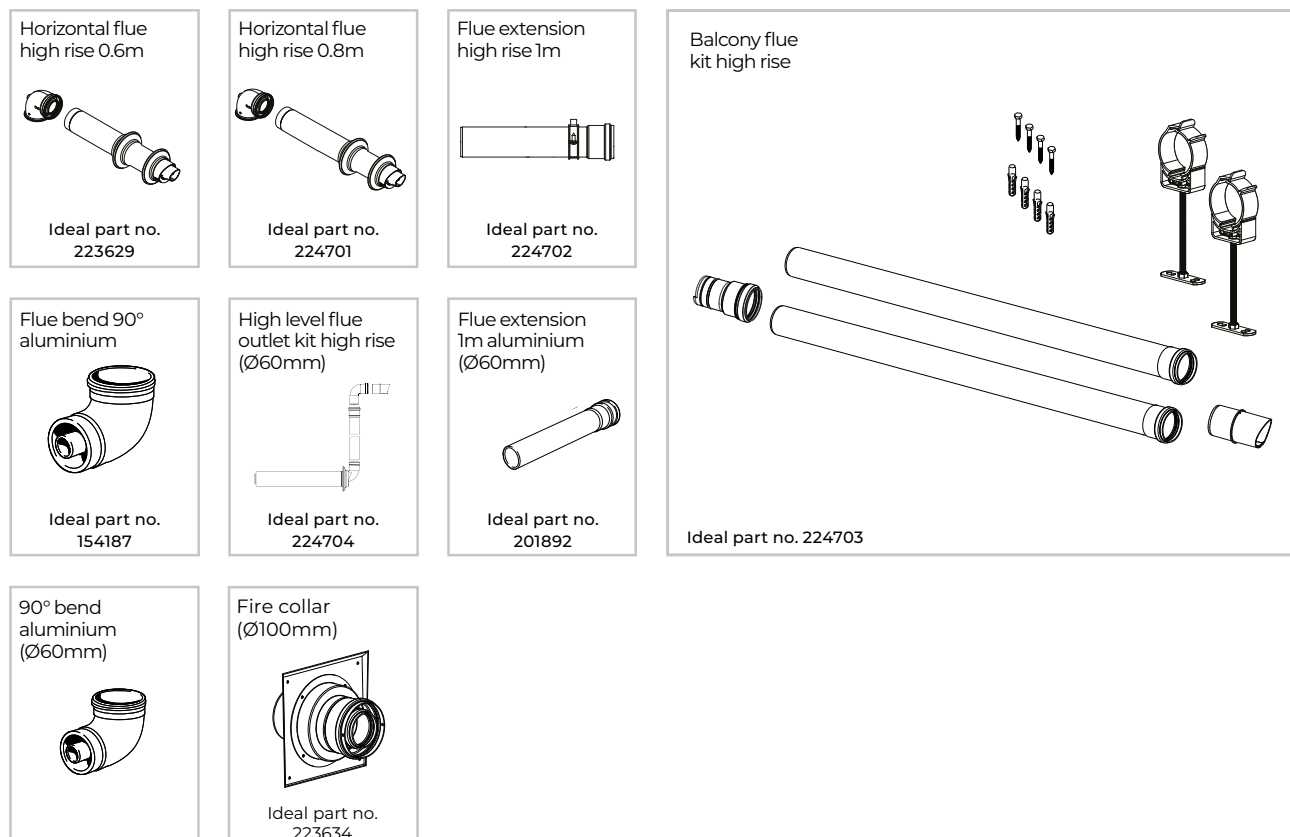
Timber frame wall plates

Ideal part no. 229128

HIGH RISE
FLUE ACCESSORIES

The Building Regulations (Amendment) 2018 for England directs that combustible materials must not be used in the external walls of high-rise residential buildings, i.e. those above 18m tall (typically 6 stories). The 'external wall' includes anything located within any space forming part of the wall. This is relevant to the installation of all new gas boilers with horizontal flues in high-rise residential buildings, as the ban now excludes those flues that contain combustible materials such as a polypropylene plastic inner flue duct. Similar regulations also apply in Wales and Northern Ireland, with Scotland having their own regulations.

Ideal Heating have a range of high rise flues and accessories which comply with the revised regulations for high-rise buildings. Introduced from October 2019, they are direct replacements for the standard horizontal flues and accessories. The main difference is that the inner flue duct is aluminium rather than polypropylene plastic. Aluminium is classed as having class A fire resistance according to European Standard prEN1856-1 May 2019 which covers metal chimneys and flues, and by Europe Decision Document 96/603/EC covering construction products.

Externally the high rise flues look similar to the previous generation Ideal Logic flue (pre 2013) and the flue terminal is still black plastic. However, the outer air duct is no longer powder coated white and has a galvanised finish; but only a small length of this will be seen above the boiler. The elbow and wall seals have not changed. As the terminal, elbow and wall seals are not part of the make-up of the external wall their materials are not affected by the revised regulations. The flue terminal design has the air inlet underneath and the aluminium flue duct can be seen through the air inlet.

The high-rise horizontal flue terminals do not have a removable terminal nose so cannot be used with flue accessories 208178 High level flue outlet kit, 211302 Soffit kit, 208177 Balcony flue outlet kit and 208176 Flue deflector. However, new dedicated high-rise accessories are available to cover more installation configurations. These all have aluminium flue ducts to comply with the amended regulations.

Horizontal flue high rise 0.6m

Ideal part no.
223629

Horizontal flue high rise 0.8m

Ideal part no.
224701

Flue extension high rise 1m

Ideal part no.
224702

Flue bend 90° aluminium

Ideal part no.
154187

High level flue outlet kit high rise (Ø60mm)

Ideal part no.
224704

Flue extension 1m aluminium (Ø60mm)

Ideal part no.
201892

90° bend aluminium (Ø60mm)

Ideal part no.
201893

Fire collar (Ø100mm)

Ideal part no.
223634

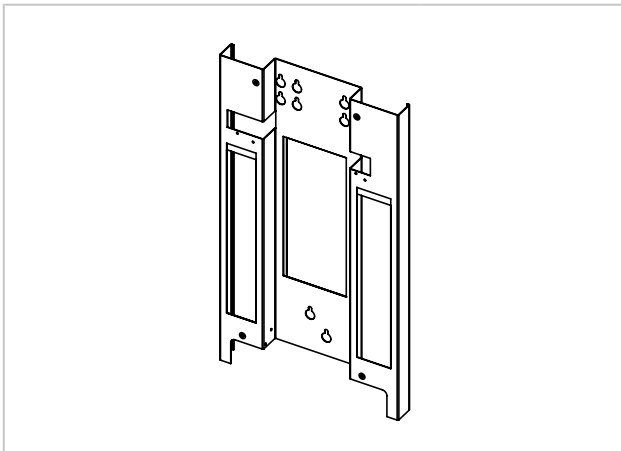**Balcony flue kit high rise**


Ideal part no. 224703

INSTALLATION
ACCESSORIES

Our range of installation accessories are widely available due to our excellent distribution network. Our installation accessories include a range of brackets and stand off kits as well as a range of kits to help you deal with any situation.

STAND OFF KIT

INSTALLATION ACCESSORY	PART NO.
Stand-off kit Combi[2] and System[2]	229120
Stand-off kit Heat[2]	206153
Stand-off kit Logic Combi ESP1	211103
Stand-off kit Logic Code Combi ESP1	211335

STAND OFF KIT WITH PIPES
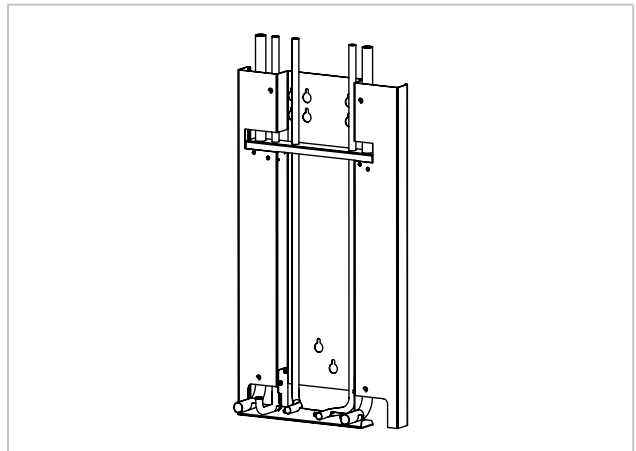
INSTALLATION ACCESSORY	PART NO.
Stand-off kit with pipes Combi[2]	227769
Stand-off kit with pipes System[2]	227770
Stand-off kit with pipes Logic Combi ESP1	211101
Stand-off kit with pipes Logic Code Combi ESP1	211333

SECONDARY PRESSURE RELIEF VALVE KIT
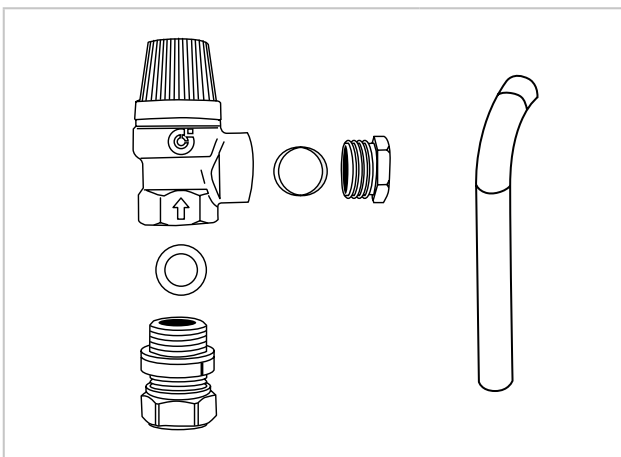
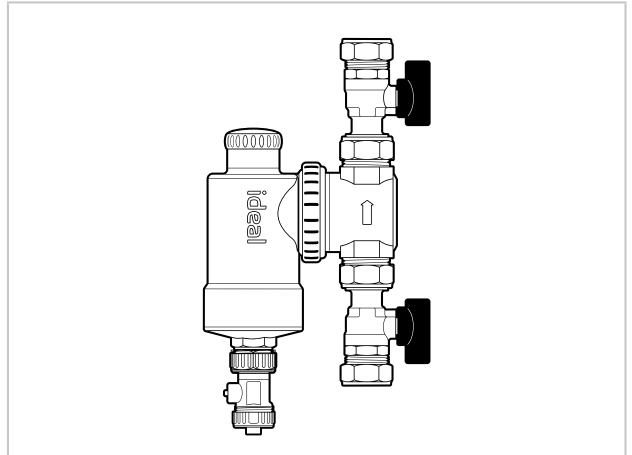| INSTALLATION ACCESSORY	PART NO.
Secondary pressure relief valve	234642

PRV OUTLET PIPE
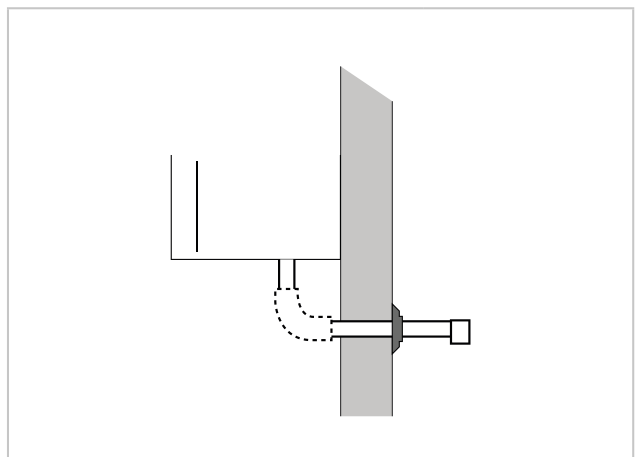
INSTALLATION ACCESSORY	PART NO.
PRV outlet pipe	205126

DHW EXPANSION VESSEL KIT
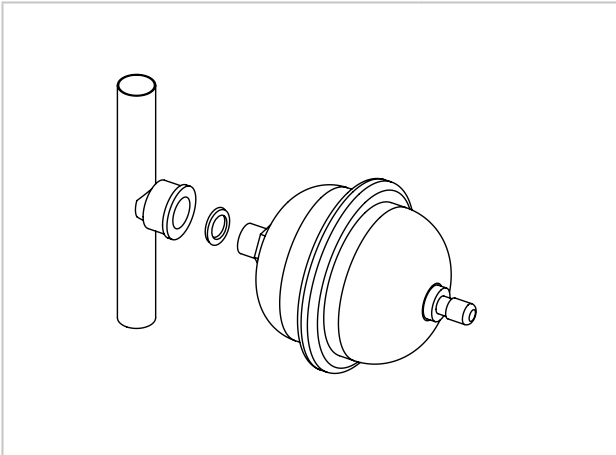
INSTALLATION ACCESSORY	PART NO.
DHW expansion vessel	205419

IDEAL SYSTEM FILTER

INSTALLATION ACCESSORY	PART NO.
Ideal system filter	236531
Flushing adaptor for system filter	237010
Camlock Magnaclense adaptors	237516

CONDENSATE PUMP KIT
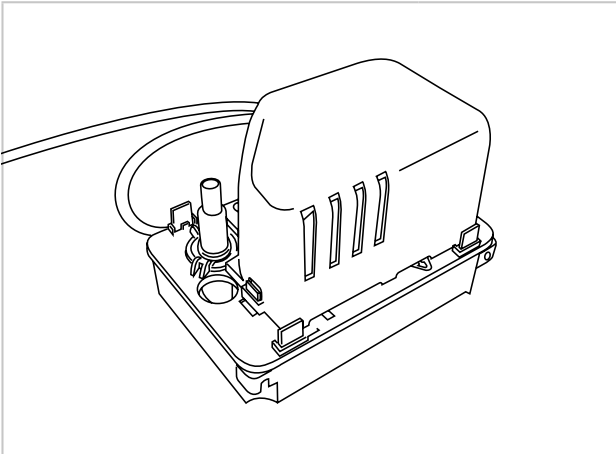
INSTALLATION ACCESSORY	PART NO.
Condensate pump kit	159991

IDEAL THERMSTORE INDIRECT CYLINDER

CYLINDER 90 120 150 180 210 250 300 400 L

90 - IDEPLUIN090 | 120 - IDEPLUIN120 | 150 - IDEPLUIN150 | 180 - IDEPLUIN180 | 210 - IDEPLUIN210
250 - IDEPLUIN250 | 300 - IDEPLUIN300 | 400 - IDEPLUIN400

The Ideal Thermstore range of stainless steel unvented indirect cylinders are manufactured to the highest standards. The range features 8 models and two years parts and labour warranty so you can be sure the Thermstore combines the twin demands of excellent product quality and outstanding value.

STANDARD APPLIANCE

- Hot water draw off 22mm compression
- Temperature and pressure relief valve 92-9˚C/6 bar
- Hot water secondary return 22mm (not fitted to cylinders below 210 litres)
- Immersion heater 1¾" BSP 3kW
- Cold supply 22mm compression
- Dual control/overheat thermostat pocket
- Boiler control sensor pocket (spare)
- Primary flow 22mm compression (28mm tails for 400 litre model only)
- Primary return 22mm compression (28mm tails for 400 litre model only)

STANDARD APPLIANCE COMPONENTS

- Combination inlet group incorporating pressure reducing valve, strainer, check valve, balanced cold take off point, expansion relief valve and expansion vessel connection points
- Potable expansion vessels complete with flexible hose and wall bracket
- Tundish
- Dual control thermostat and combined overheat thermostat
- Two port 22mm zone valve for primary circuit
- Wiring junction box for primary system

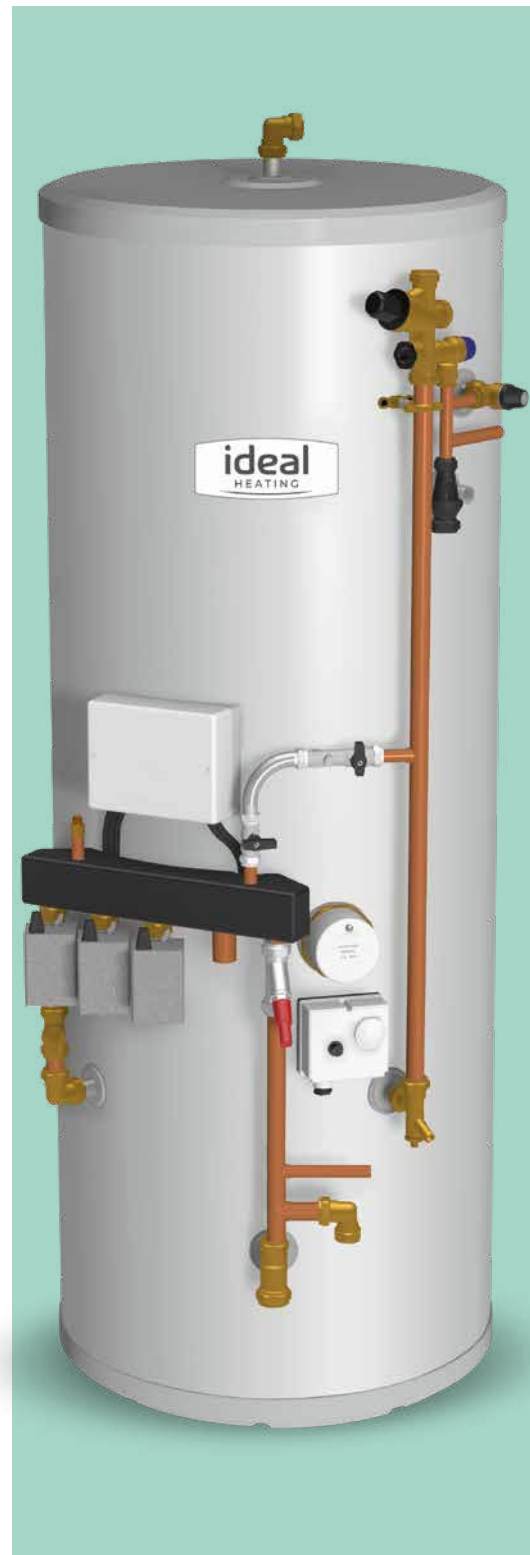# IDEAL THERMSTORE PRE PLUMBED S

CYLINDER 120 150 180 210 250 300 L

120 - IDEPROIN120PPSP | 150 - IDEPROIN150PPSP | 180 - IDEPROIN180PPSP | 210 - IDEPROIN210PPSP
250 - IDEPROIN250PPSP | 300 - IDEPROIN300PPSP

Scan me for full technical specification

Our range of pre-plumbed cylinders have been created specifically for the new build market. They offer a 'plug and play' solution which reduces installation time and standardises plumbing configuration across multiple dwelling sites. It offers a two year parts warranty and 25 year vessel warranty.

STANDARD APPLIANCE

> Hot water draw off (22mm), including elbow

> 22mm cold supply

> Combination inlet group incorporating pressure reducing valve, strainer, check valve, balance cold take off point, expansion relief valve and expansion vessel connection points.

> Pressure and temperature relief valve 89 - 96°C/6 bar

> Connection for heating expansion relief valve

> Tundish

> Hot water secondary return 22mm

> Cold feed assembly

> Immersion heater 13/4" BSP 3kW

> Wiring junction box

> Manifold assembly

> Central heating zone 1 (22mm)

> Central heating zone 2 (22mm)

> Boiler flow (28mm)

> Dual control/overheat stat (22mm)

> Drain valve

> Connection for heating expansion vessel

> Central heating return (22mm)

> Boiler return (28mm)

> Filling loop

> Manual air vent

> Hot water zone valve

> System pressure operated bypass

> Balancing valve

IDEAL THERMSTORE PRE PLUMBED H

CYLINDER 120 150 180 210 250 300 L

120 - IDEPROIN120PP | 150 - IDEPROIN150PP | 180 - IDEPROIN180PP | 210 - IDEPROIN210PP
250 - IDEPROIN250PP | 300 - IDEPROIN300PP

Our range of pre-plumbed cylinders have been created specifically for the new build market. They offer a 'plug and play' solution which reduces installation time and standardises plumbing configuration across multiple dwelling sites.

STANDARD APPLIANCE

- Hot water draw off (22mm), including elbow
- 22mm cold supply
- Combination inlet group incorporating pressure reducing valve, strainer, check valve, balance cold take off point, expansion relief valve and expansion vessel connection points.
- Pressure and temperature relief valve 89 - 96°C/6 bar
- Connection for heating expansion relief valve
- Tundish
- Hot water secondary return 22mm
- Cold feed assembly
- Immersion heater 13/4" BSP 3kW
- Wiring junction box
- Manifold assembly
- Central heating zone 1 (22mm)
- Central heating zone 2 (22mm)
- Boiler flow (28mm)
- Dual control/overheat stat (22mm)
- Drain valve
- Connection for heating expansion vessel
- Central heating return (28mm)
- Boiler return
- Filling loop
- Manual air vent
- Hot water zone valve
- System pressure operated bypass
- Balancing valve
- Low energy consumption circulation pump

POD INDIRECT

HIU i305 i405 i505 i605 i705

Available in outputs of 30, 40, 50, 60 and 70kW, the indirect Pod HIU is designed to meet all the requirements of the heat network installer, operator and end user. Also available as direct appliances.

2 YEARS WARRANTY*

KEY FEATURES

- ✔ 2 years warranty as standard
- ✔ Internal insulation
- ✔ Simple user interface
- ✔ First Fix Kit (supplied separately)
- ✔ Removable Front Cover
- ✔ Drop-down front panel
- ✔ Heat Metering (optional)
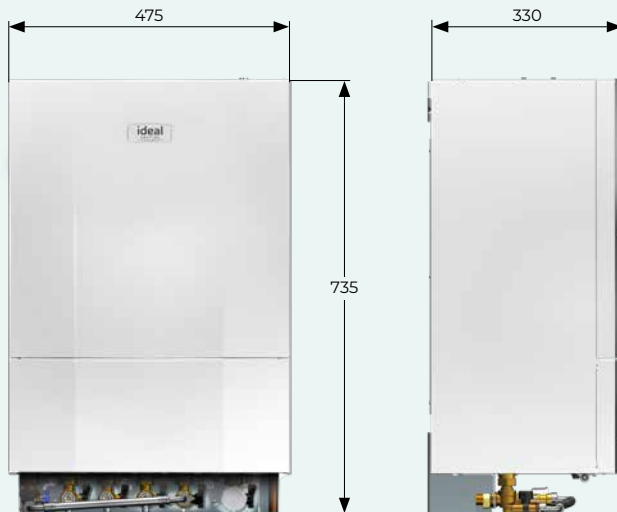- ✔ Advanced control features, simple to use interface

FIRST FIX KIT AVAILABLE

SPECIFICATION

✓ Robust steel chassis

✓ Internal insulation

✓ Copper pipework

✓ DZR Brass components

✓ Stainless steel brazed plate heat exchanger

✓ Compact unit with minimal installation clearances

✓ Appliance fully serviceable from the front

✓ WRAS Approved Product

✓ BESA Tested / Published

CLEARANCES & DIMENSIONS

All Dimensions in **mm**

475

330

735

The following minimum clearances must be maintained for operation and servicing:

TOP: 100mm, for front cover removal and ventilation

SIDES: 20mm

FRONT: 25mm min, 450mm recommended for servicing

BOTTOM: 80mm

HIU ASSEMBLY KEY

1. Steel chassis

2. DHW plate heat exchanger

3. Copper pipework

4. Quick release connections

5. Heat meter (optional)

6. DHW PICV

7. DHW water hammer arrestor

8. DHW flow limiter

9. Drain / vent points

10. First fix kit with temporary filling loop (supplied separately)

11. Reversible service connections

12. Primary inlet strainer

13. CH PICV

14. Internal clamshell insulation

15. CH circulation pump

16. CH expansion vessel

*2 year warranty subject to Terms and Conditions. † Please check kitchen cupboard size prior to installation. †† LPG Conversion kit available for 30kW & 35kW models.

POD
DIRECT

HIU **D30 D40 D50 D60**

Available in outputs of 30, 40, 50 & 60kW, the direct Pod HIU is designed to meet all the requirements of the heat network installer, operator and end user. Also available as indirect appliances.
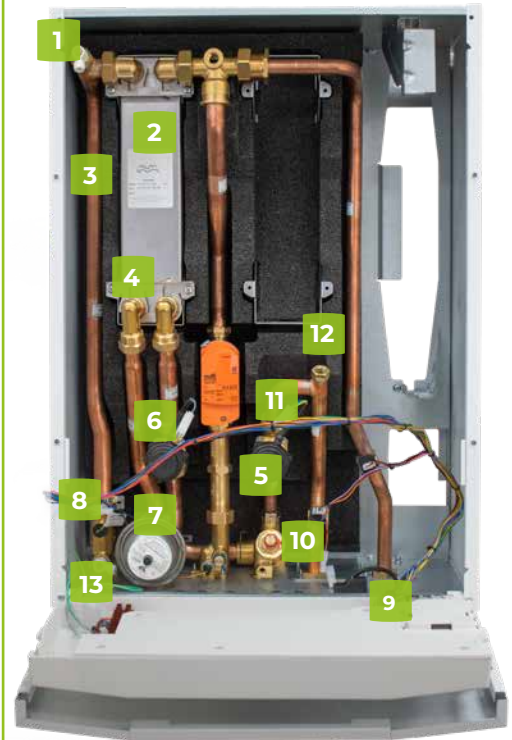
2 YEARS WARRANTY*

KEY FEATURES

- ✓ 2 years warranty as standard
- ✓ Internal insulation
- ✓ Simple user interface
- ✓ First Fix Kit (supplied separately)
- ✓ Removable Front Cover
- ✓ Drop-down front panel
- ✓ Heat Metering (optional)
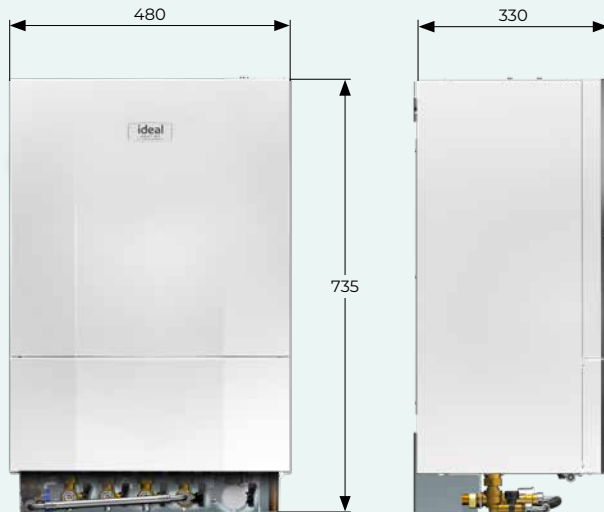- ✓ Advanced control features, simple to use interface

FIRST FIX KIT AVAILABLE

SPECIFICATION

✔ Robust steel chassis

✔ Internal insulation

✔ Copper pipework

✔ DZR Brass components

✔ Stainless steel brazed plate heat exchanger

✔ Compact unit with minimal installation clearances

✔ Appliance fully serviceable from the front

✔ WRAS Approved Product

✔ BESA Tested / Published**

CLEARANCES & DIMENSIONS

All Dimensions in **mm**

480

330

735

The following minimum clearances must be maintained for operation and servicing:

TOP: 100mm, for front cover removal and ventilation

SIDES: 20mm

FRONT: 25mm min, 450mm recommended for servicing

BOTTOM: 80mm

HIU ASSEMBLY KEY

1. Steel chassis
2. DHW plate heat exchanger
3. Copper pipework
4. Quick release connections
5. Heat meter (optional)
6. DHW PICV
7. DHW water hammer arrestor
8. DHW flow limiter
9. Reversible service connections
10. Primary inlet strainer
11. CH PICV
12. Internal clamshell insulation
13. Drain / vent points

THE UK'S NUMBER ONE HOT WATER CYLINDER MANUFACTURER

STAINLESS LITE PLUS
Direct
Indirect
Heat Pump
Solar
Pre-Plumbed
Slimline

STAINLESS PLATINUM
Direct
Indirect

HEAT PUMP DUO
Partially Pre-Plumbed
Pre-Plumbed

GLEDHILL

Gledhill is leading UK manufacturer of hot water and heating solutions. Established in 1926, quality, innovation and reliability are at the heart of our business.

With over 90 years of experience manufacturing domestic hot water cylinders, Gledhill has become the UK's Number One Cylinder manufacture in every hot water cylinder solution including Directs, Indirect, Pre-Plumbed and Slimline, Heat Pump and Solar cylinders off a complete renewable cylinder range.

GLEDHILL

TOTAL ELECTRIC SOLUTIONS.

PANEL HEATERS
F127
Agilia IO
Oniris
Sokio Horizontal
Sokio Vertical

ELECTRIC RADIATORS
Accessio
Galapagos Horizontal
Galapagos Vertical

TOWEL RAILS
Atlantic Chrome
Sensis

CYLINDERS AND HOT WATER HEATERS
Atlantic Direct
Calypso
Nanto Lite
Nanto Plus

CONTROL SYSTEMS
Cozytouch
Intelligent Programming
EPC and Energy Savings

atlantic

With over 50 years of experience in designing, engineering, and manufacturing electric heating and hot water appliances the Atlantic brand has become synonymous with premium, high efficiency products.

Atlantic has engineered and developed an extensive product range that includes panel heaters, electric radiators, towel rails and hot water cylinders. Our innovative, reliable and energy efficient product portfolio offers the perfect electric heating solutions for new builds, bungalows, flats, apartments, hotels, offices and commercial establishments.

ATLANTIC

NANTO LITE

HOT WATER HEATER

The Atlantic Nanto Lite is a highly-efficient unvented hot water heater designed with both space-saving and energy-saving features. The unit is engineered to provide hot water almost instantly at the point of use, making it perfect for those seeking convenience and comfort.

The Nanto Lite features a diamond-quality enamel glass tank that is both durable and long-lasting, and incorporates magnesium anodes to provide added protection and increase the lifespan of the tank by up to 50%. With its sleek design and energy efficient features, the Atlantic Nanto Lite is the ideal choice for homeowners looking to upgrade their hot water system.
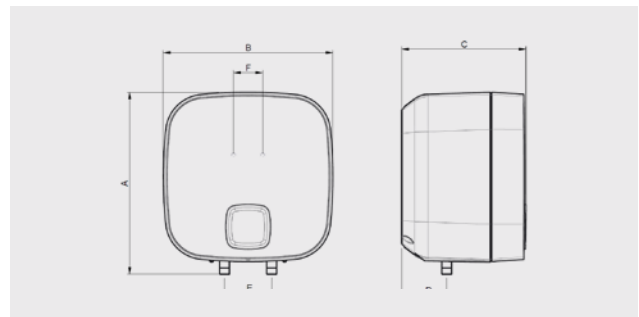
KEY FEATURES

✓ ErP Rating: A

✓ Compact design

✓ Vacation mode

✓ Under and above sink

✓ Anti-corrosive tank protection

DIAMOND QUALITY ENAMEL TANK

MODEL	TANK SIZE (L)	OUTPUT (W)	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)	NET WEIGHT (KG)	HEAT UP TIME =50°C (MIN)	HEAT UP TIME =35°C (MIN)	ENERGY CONSUMPTION (kWhr/24hr)	ErP
UNDER SINK										
AH821547	10	2000	378	360	262	6.9	18	12	0.48	B
AH821549	15	2000	378	360	321	8	27	18	0.58	B
ABOVE SINK										
AH821546	10	2000	378	360	262	6.9	18	12	0.48	A
AH821548	15	2000	378	360	321	8	27	18	0.58	A

# NANTO PLUS

HOT WATER HEATER

Utilizing a modern, sleek cubic design, and digital temperature display the Nanto Plus provides a luxurious black and white monochrome finish and complete versatility for installation.

The Nanto Plus can be installed either under or above the bathroom or kitchen sink, providing space saving solutions. The Nanto Plus features a diamond-quality enamel glass tank, incorporated with a magnesium anode to strengthen the tank's protection and increase its lifespan by up to 50%.

KEY FEATURES

✓ ErP Rating: A

✓ Compact design

✓ Vacation mode

✓ Under and above sink

✓ Anti-corrosive tank protection
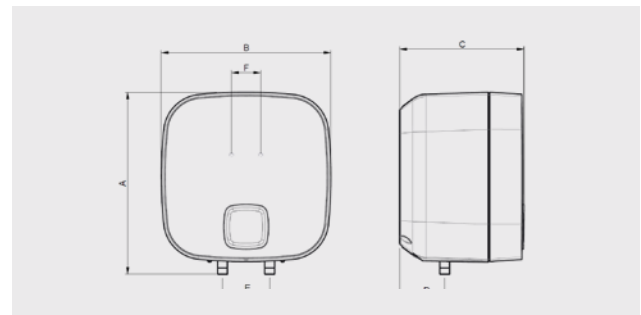
VACATION MODE

MODEL	TANK SIZE (L)	OUTPUT (W)	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)	NET WEIGHT (KG)	HEAT UP TIME =50°C (MIN)	HEAT UP TIME =35°C (MIN)	ENERGY CONSUMPTION (kWhr/24hr)	ErP
UNDER SINK										
AH821551	10	2000	378	360	262	6.9	18	12	0.48	B
AH821553	15	2000	378	360	321	8	27	18	0.58	B
ABOVE SINK										
AH821550	10	2000	378	360	262	6.9	18	12	0.48	A
AH821552	15	2000	378	360	321	8	27	18	0.58	A

ATLANTIC

CALYPSO

HEAT PUMP HOT WATER HEATER

Utilising heat pump technology to efficiently heat hot water, the Calypso features an adjustable air inlet and outlets to provide easy installation and is Cozytouch compatible allowing users to control the Calypso from their smart device with ease.

KEY FEATURES

- ✔ ErP rating: A+
- ✔ Over 300% efficient
- ✔ Low noise emission: 49db
- ✔ Duplex stainless steel tank
- ✔ Cozytouch compatible
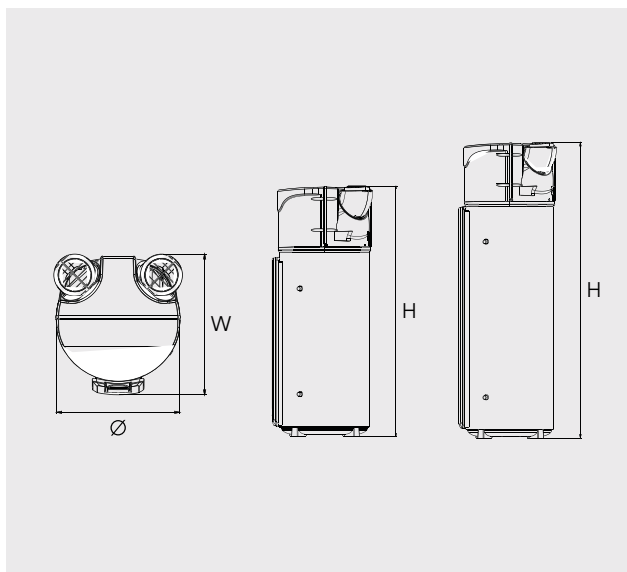
INTEGRATED AIR SOURCE HEAT PUMP

ATLANTIC

SIZE (L)	HEIGHT (MM)	WIDTH (MM)	DIAMETER (MM)	WEIGHT (KG)	HEATING TIME (10°C TO 54°C)	HEAT LOSS (kWhr/24hr)	COP	MODEL
172	1700	695	605	83.6	5H 48	1.23	3.15	AH876509
210	1940	695	605	84	7H 18	1.39	3.02	AH886123

PANEL HEATERS

TOWEL RAILS

CONTROL SYSTEMS

CYLINDERS AND HOT WATER HEATERS

ELECTRIC RADIATORS

TOTAL ELECTRIC SOLUTIONS FOR THE WHOLE PROPERTY.

GROUPE ATLANTIC

UK, ROI & NORTH AMERICA DIVISIONS

With a legacy that spans over five decades, Groupe Atlantic have emerged as a leading European player, setting the standards for sustainable heating and hot water solutions.

/ EXPERTISE THAT KNOWS NO BOUNDARIES

Groupe Atlantic boasts a multi-energy expertise that encompasses electric, gas and renewables. This unparalleled knowledge underpins the comprehensive range of heating and hot water solutions, catering to the diverse needs of domestic and commercial sectors. Groupe Atlantic is not just attentive of its markets, it shapes them. The brands that are part of the group, Ideal Heating, Atlantic and Gledhill offer a wide spectrum of products, from water heaters and electric heaters to domestic and commercial boilers and heat pumps.

/ A RICH HISTORY OF INNOVATION

Founded in 1968 in La Roche-sur-Yon, France, Groupe Atlantic has been at the forefront of revolutionising comfort and sustainability. Commitment to excellence has led to the establishment of 31 industrial sites and 43 commercial manufacturing sites, ensuring a presence and impact on a global scale.

/ A GLOBAL PRESENCE

Spanning five continents, Groupe Atlantic is not just a company; it's a worldwide community dedicated to enhancing heating and hot water.

Inside these pages, you'll discover how the Groupe Atlantic's brands Ideal Heating, Atlantic, and Gledhill stand as beacons of innovation, and how its commitment to sustainability drives every aspect of its work.

NOTES

NOTES

GROUPE ATLANTIC

UK, ROI & NORTH AMERICA DIVISIONS

ideal
HEATING

Customer Service: 01482 498660
Technical Help: 01482 498663
E: enquiries@idealheating.com
Ideal Heating, PO Box 103, National Avenue,
Kingston upon Hull, East Yorkshire, HU5 4JN

idealheating.com

G | GLEDHILL

T: 01253 474550
E: enquiries@gledhill.net
Gledhill Building Products Limited
Sycamore Estate, Squires Gate,
Blackpool FY4 3RL

gledhill.net

atlantic

T: 0844 3350 549
E: enquiries@atlantic-heat.co.uk
Atlantic | PO Box 103, National Avenue,
Kingston Upon Hull, HU5 4JN

atlanticheat.co.uk

GA_Social_Housing_Product_Guide_Rev_B