

## Logic Air Hybrid.

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### Features.

The Logic Air Hybrid system combines our market leading gas boiler range with our flagship Logic Air monobloc air source heat pump. Controlled by the Logic Air control box, the system provides bivalent control with efficient and cost-effective heating and instantaneous hot water.



# Logic Air hybrid key features.

- · Integrated controller within the heat pump
- · Tariff or bivalent control strategy
- · Integration with combi, system or heat only controls
- · No hydraulic separation required
- · Quiet Mark
- · Easy to install
- · Boilers designed for UK homes
- · Flexible warranties
- · UK wide engineer coverage

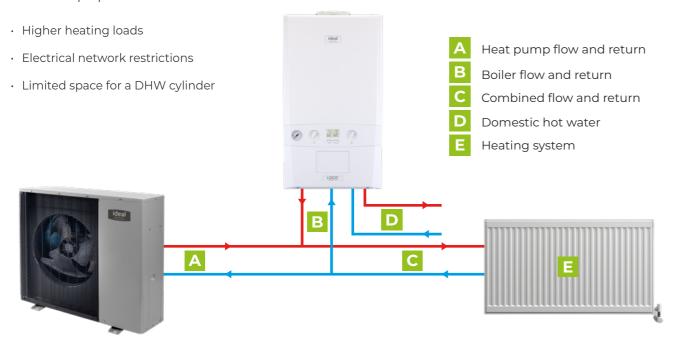




 $<sup>\</sup>hbox{``For further details please see warranty terms and conditions for the specific product at ideal heating.com}$ 

### Operation.

The Logic Air integrates seamlessly with a Logic Combi C boiler providing a heating and hot water solution that reaps the efficiency benefits of an air source heat pump with the instantaneous hot water and additional heat provided by a combi boiler. This 'best of both worlds' solution provides a climate friendly solution to properties with:



### Example.

### Heat pump.





#### **Outdoor unit: Ideal Logic Air**

Accessories:

- · Antivibration feet AH809536 (required)
- · Y-strainer/filter 936911 (required)
- · Control:
  - · Logic Air control box 235797
- · Buffer tank AH700436 (optional)

### Boiler.



#### **Boiler: Logic Combi C30**

Accessories:

- Flue (required)
- Filter
- Cylinder (only if system or heat only boiler installed)

### Specification.

		Logic Air 4kW	Logic Air 5kW	Logic Air 8kW	Logic Air 10kW
Ideal product code		AH750664	AH750665	AH750666	AH750667
Heating [A 7°C / W 35°C]*	Capacity (kW)	4	5	8.2	10.3
	Power input (kW)	0.75	0.97	1.58	2.1
	СОР	5.34	5	5.19	4.9
Heating [A 7°C / W 55°C]*	Capacity (kW)	4	5	8.2	10.3
	Power input (kW)	1.33	1.64	2.67	3.42
	СОР	3	3.04	3.07	3.01
Sound power level (EN 12102 - 1)	dB(A)	52	52	55	55
Pipework connection sizes	Heating F/R	1" BSP	1" BSP	1" BSP	1" BSP
Dimensions outdoor unit (mm)	Width	1095	1095	1095	1095
	Depth	518	518	518	518
	Height	798	798	1008	1008
	Volume (m³)	0.45	0.45	0.57	0.57
	Weight (kg)	86	86	110	110
Electrical data	Electrical supply (50 Hz)	230v	230v	230v	230v
	Phase	Single phase	Single phase	Single phase	Single phase
Refrigerant charge (kg)*	R32	0.88	0.88	1.47	1.47
Logic Combi <sup>2</sup>	Product code (C24/C30)	228307/228308			
	Max CH output (C24/C30)	24.2/24.2			
	Min CH output (C24/C30)	4.8/6.1			
	DHW output (C24/C30)	24.2/30.2			
	SSHEE (C24/C30)	94/94			
Boiler dimensions (mm)	Width	395			
	Depth	278			
	Height	700			
Hybrid control	Strategy	Bivalent point/tariff			
	System master	Heat pump			

<sup>\*</sup>Performance data in accordance with EN 14825: 2016, EN 1210, 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.

## Logic Air hybrid flowchart.





Logic Air 4 kW - AH750664 Logic Air 5 kW - AH750665 Logic Air 8 kW - AH750666 Logic Air 10 kW - AH750667









## Step 4 Accessories.

### Required

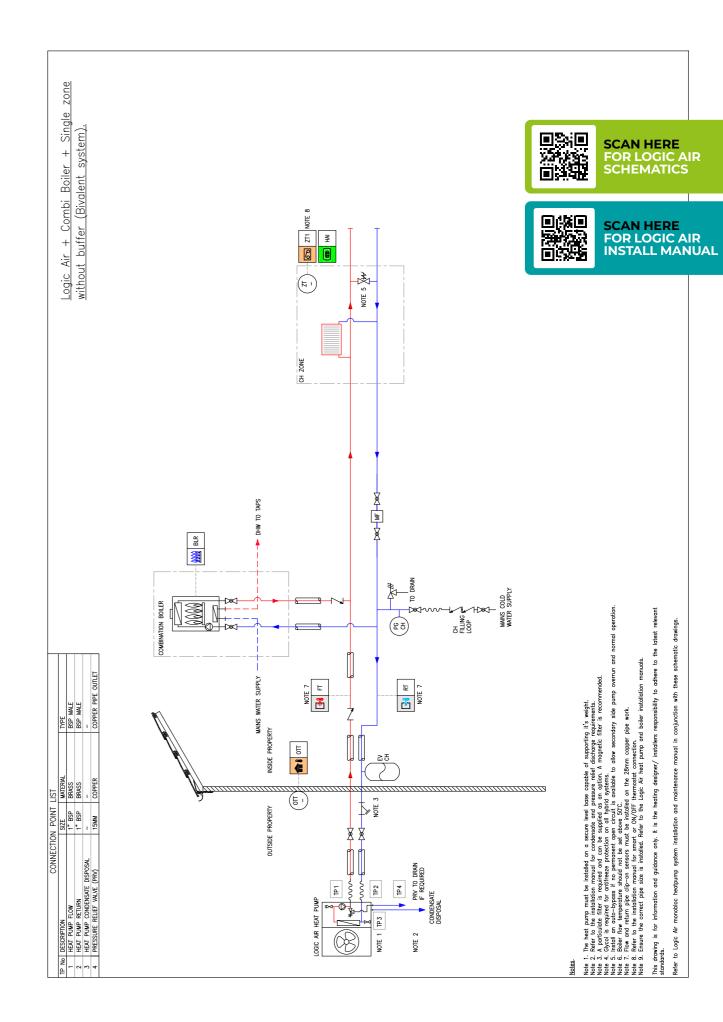
- · Antivibration feet AH809536
- · Flexible hose:
- · 750mm 236910
- · 500mm 236909
- · Filter:
- · Magnetic 236911

or

· Y-strainer - 236740

#### Optional

- · Logic Air 2-zone kit 241520
- · Buffer tank:
- · 25L AH700436
- 50L AH700437
- · Filter ball valve 236738





Customer Service:

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Technical Help:

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