



Logic Air.

MONOBLOC AIR SOURCE HEAT PUMP



Quiet Mark certified



SCOP rating up to 519%*



Easy to install and service



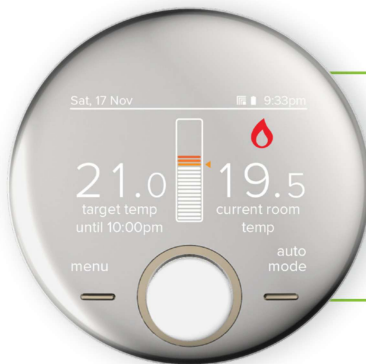
Intuitive smart weather compensating controls



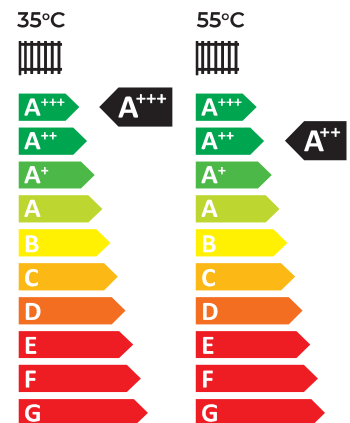
364 days a year UK customer service



Fully pre-plumbed and pre-wired cylinders



HALO AIR



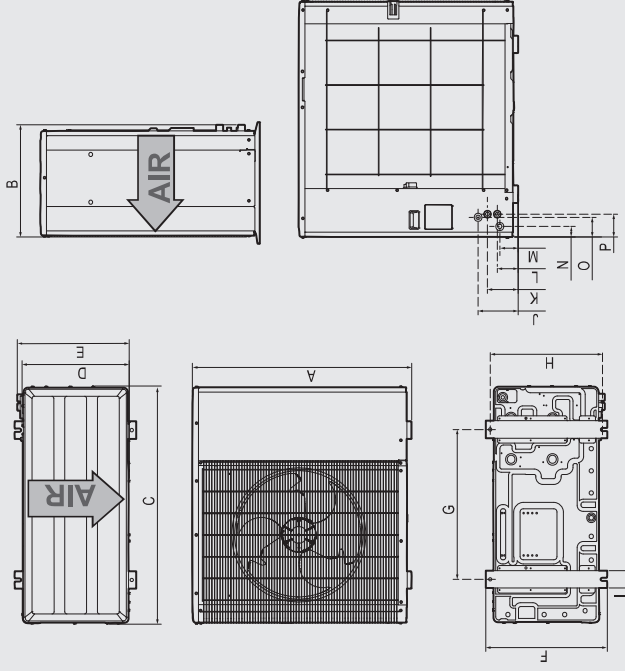
The Logic Air.

Our flagship range of heat pumps, the Logic Air combines our European market leading heat pump manufacturing with our over 100 years of UK heating innovation to deliver a quiet, efficient and easy to install range of monobloc air source heat pumps.

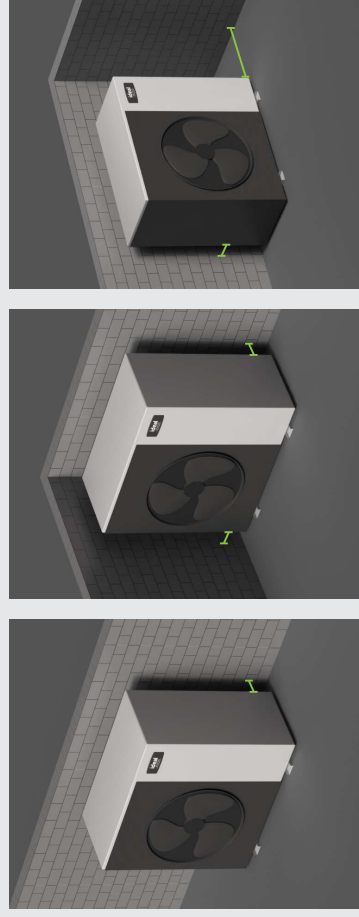
Along with our range of pre-plumbed cylinders and Halo Air thermostats, the Logic Air is the complete renewable heating package backed by our teams of expert trainers, engineers and system designers, ready to help the UK in the transition towards low carbon heating.

DIMENSIONS

	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



CLEARANCES



100mm to the rear.

100mm to the rear.
100mm to the left.

100mm to the rear.
500mm to the right.

The heat pump should be mounted at least 50mm over the ground. For full clearance details and diagrams, please refer to the Logic Air installation manual.

Technical Specification.

	Logic Air 4kW	Logic Air 5kW	Logic Air 8kW	Logic Air 10kW
Ideal Product Code	AH750664	AH750665	AH750666	AH750667
MCS Certification No.	KIWA 00027/024-HP	KIWA 00027/023-HP	KIWA 00027/021-HP	KIWA 00027/022-HP
PCDB Index number	Flow Temp 35°C 107447 Flow Temp 45°C 107446 Flow Temp 55°C 107445	107235 107234 107233	106762 106761 106760	106754 106753 106752
ENA Connect Direct Reference	IDEAL 05903/V1	IDEAL 03234/V1	IDEAL 07823/V1	IDEAL 09537/V1
Heat Pump Space Heating [35°C] ¹	ErP Rating A+++ ηs 195 SCOP (EN14825) 4.96	A+++ A++ 143 3.65	A+++ A++ 145 3.7	A+++ A++ 146 3.73
Heat Pump Space Heating [55°C] ¹	ErP Rating A++ ηs 136 SCOP (EN14825) 3.48	A++ 143 3.65	A++ 145 3.7	A++ 146 3.73
Sound Power Level ¹	dB(A) 52	52	55	55
Hydraulic Information	Pipework Connection Sizes 1" BSP Design Flow Rate (L/min) 11.5 Minimum Flow Rate (L/min) 8.5 Available Pump Head (m) ² 8.1 Open System Volume (L) ³ 24	1" BSP 14.3 8.5 7.9 24	1" BSP 22.9 14.5 6.8 40	1" BSP 28.7 14.5 5.4 40
Electrical Information	Electrical Supply 230V 50Hz/1~ Maximum Current (A) 12 Fuse Rating (A) 16	230V 50Hz/1~ 12 16	230V 50Hz/1~ 22 32	230V 50Hz/1~ 22 32
Dimensions Outdoor Unit (mm)	Width 1095 Depth 518 Height 798 Volume (m ³) 0.45 Weight (kg) 86	1095 518 798 0.45 86	1095 518 1008 0.57 110	1095 518 1008 0.57 110
Refrigerant Charge	R32 (kg) 0.88	0.88	1.47	1.47

¹ Performance data in accordance with EN14825:2016, EN 12023:2022, EN 12021:2022, EN 12021:2018. Actual performance may differ relative to the specific design and environmental conditions.

² Minimum flow rate based on pure water circulation. For Chloride, please refer to the Logic Air installation manual.

³ Minimum open system volume required for defrost cycles. Radiators with TRVs or underfloor heating manifolds with actuators cannot be counted toward open system volume.



Installation manual



Power chart



Schematics

Capacity Charts.

		Output Capacity (kW)			
Flow Temp	Outdoor Temp	Logic Air 4kW	Logic Air 5kW	Logic Air 8kW	Logic Air 10kW
35°C	-1°C	4.43	5.77	8.19	9.98
	-2°C	4.38	5.66	8.19	9.9
	-3°C	4.32	5.54	8.19	9.83
	-4°C	4.27	5.43	8.19	9.75
	-5°C	4.21	5.32	8.18	9.68
40°C	-1°C	4.38	5.69	8.12	9.73
	-2°C	4.32	5.58	8.11	9.67
	-3°C	4.27	5.47	8.1	9.62
	-4°C	4.21	5.36	8.09	9.56
	-5°C	4.15	5.25	8.08	9.5
45°C	-1°C	4.33	5.62	8.04	9.48
	-2°C	4.27	5.5	8.03	9.44
	-3°C	4.21	5.39	8.01	9.4
	-4°C	4.15	5.28	7.99	9.36
	-5°C	4.09	5.17	7.97	9.32
50°C	-1°C	4.27	5.55	8.03	9.22
	-2°C	4.22	5.45	8.02	9.2
	-3°C	4.16	5.34	8.01	9.17
	-4°C	4.1	5.23	8	9.15
	-5°C	4.04	5.13	8	9.12
55°C	-1°C	4.17	5.47	7.83	8.83
	-2°C	4.09	5.36	7.78	8.78
	-3°C	4.01	5.24	7.72	8.72
	-4°C	3.93	5.13	7.67	8.67
	-5°C	3.86	5.02	7.61	8.61



Customer Service

01482 498660

Technical Help Line

01482 498663

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