INSTINCT®

A+++ EFFICIENCY RATING

Instinct Logic Air.

MONOBLOC AIR SOURCE HEAT PUMP

Easy to install and service

519% SCOP EFFICIENCY RATING*

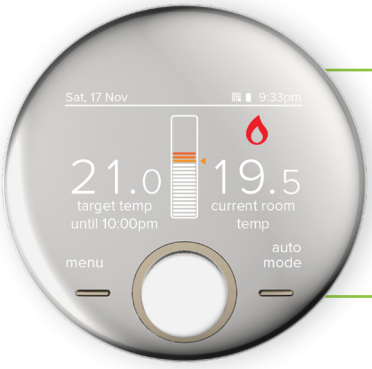
SCOP rating up to 519%*

364 days a year UK customer service

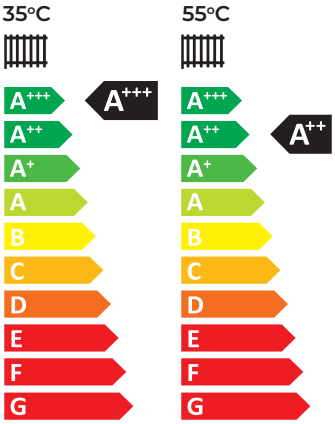
Intuitive smart weather compensating controls

Fully pre-plumbed and pre-wired cylinders





HALO AIR

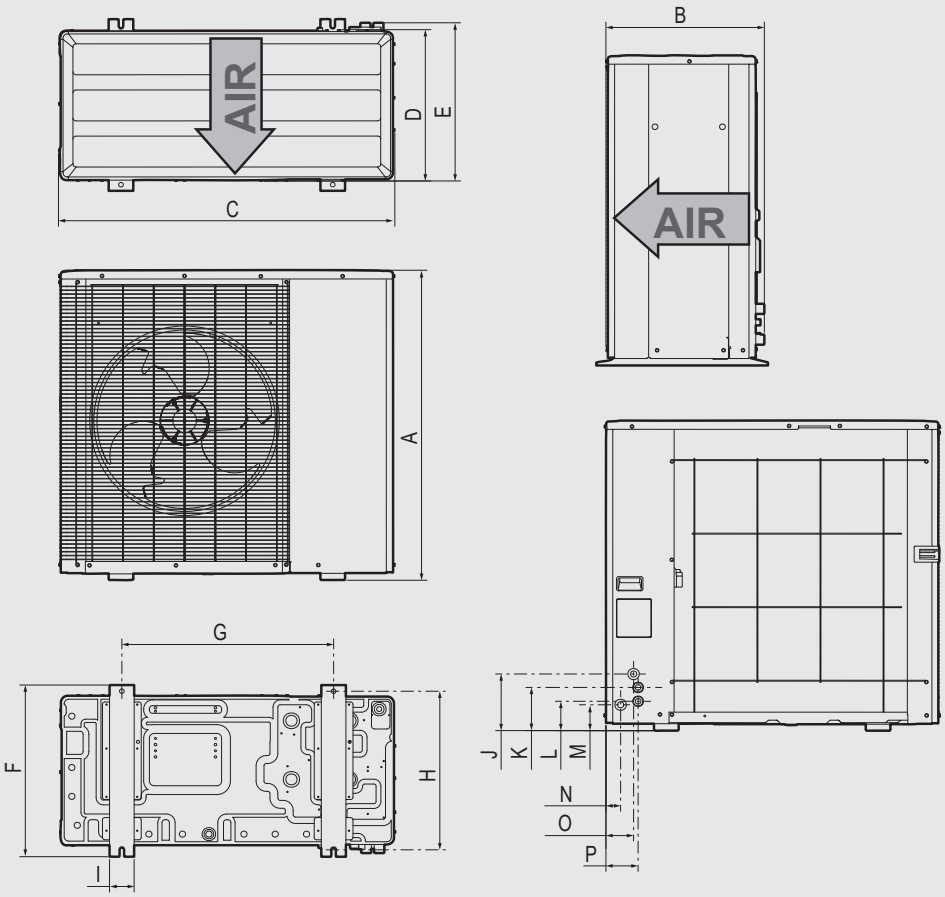


idealheating.com

The Instinct Logic Air.

DIMENSIONS

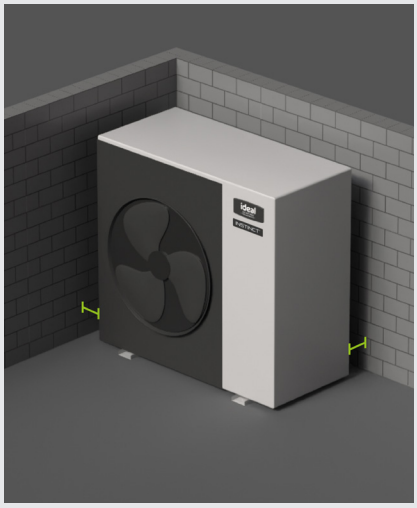
	4kW & 5kW	8kW & 10kW
A	798	1008
B	518	518
C	1095	1095
D	499	499
E	518	518
F	558	558
G	688	688
H	516	516
I	80	80
J	184	184
K	140	140
L	95	95
M	84	84
N	48	48
O	90	90
P	103	105



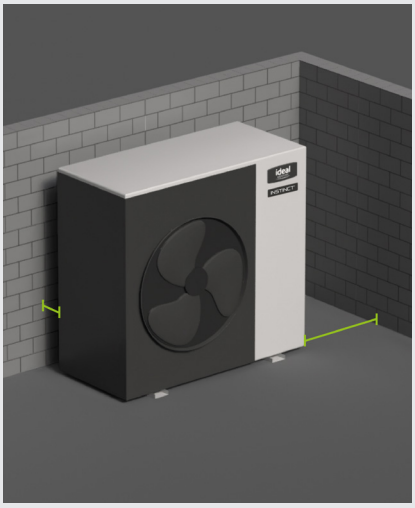
CLEARANCES



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.

		Instinct Logic Air 4kW	Instinct Logic Air 5kW	Instinct Logic Air 8kW	Instinct Logic Air 10kW
Ideal Product Code		255221	255222	255223	255224
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	107235	106762	106754
	Flow Temp 45°C	107446	107234	106761	106753
	Flow Temp 55°C	107445	107233	106760	106752
ENA Connect Direct Reference		IDEAL 05903/V1	IDEAL 03234/V1	IDEAL 07823/V1	IDEAL 09937/V1
Heat Pump Space Heating [35°C][1]	ErP Rating	A+++	A+++	A+++	A+++
	ηs	195	200	203	205
	SCOP (EN14825)	4.96	5.07	5.16	5.19
Heat Pump Space Heating [55°C][1]	ErP Rating	A++	A++	A++	A++
	ηs	136	143	145	146
	SCOP (EN14825)	3.48	3.65	3.7	3.73
Sound Power Level[1]	dB(A)	52	52	55	55
Hydraulic Information	Pipework Connection Sizes	1" BSP	1" BSP	1" BSP	1" BSP
	Design Flow Rate (L/min)	11.5	14.3	22.9	28.7
	Minimum Flow Rate (L/min)	8.5	8.5	14.5	14.5
	Available Pump Head (m)[2]	8.1	7.9	6.8	5.4
	Open System Volume (L)[3]	24	24	40	40
Electrical Information	Electrical Supply	230V 50Hz/1~	230V 50Hz/1~	230V 50Hz/1~	230V 50Hz/1~
	Maximum Current (A)	12	12	22	22
	Fuse Rating (A)	16	16	32	32
	Fuse Type	Type C	Type C	Type C	Type C
	RCD Type	F or B	F or B	F or B	F or B
	Minimum ODU Power Cable	3G 2.5mm²	3G 2.5mm²	3G 4mm²	3G 4mm²
	IDU Power and Comms Cable	4x 1.5mm²	4x 1.5mm²	4x 1.5mm²	4x 1.5mm²
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
Refrigerant Charge	R32 (kg)	0.88	0.88	1.47	1.47

1. Performance data in accordance with EN14825:2016, EN 12102-1:2022, EN 14511:2018. Actual performance may differ relative to the specific design and environmental conditions.
2. Primary "available" pump head after appliance losses at design flow rate. Based on pure water circulation. For Glycol, 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.

SCAN TO VIEW
Logic Air literature

Instinct Logic Air Capacity Charts.

		Output Capacity (kW)			
Flow Temp	Outdoor Temp	4kW	5kW	8kW	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

Training
enquiries@expertacdemy.co.uk
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