ideal HEATING

A+++ EFFICIENCY RATING

HP290.

MONOBLOC AIR SOURCE HEAT PUMP

Designed for the UK climate

364 days a year UK customer service

R290 REFRIGERANT

Low GWP R290 Refrigerant

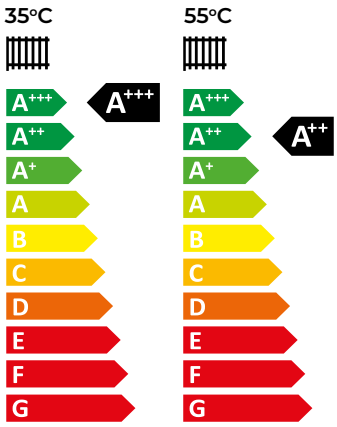
SCOP EFFICIENCY

SCOP rating over 500%*

Hot water in sunshine, rain, ice and snow

Temperatures up to 75'C

HALO LITE RF



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HP290.

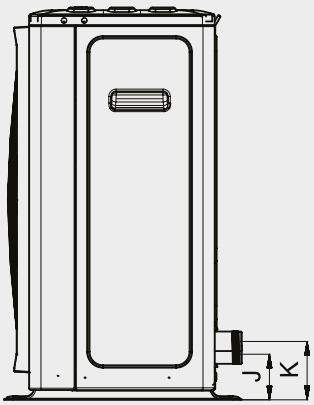
The HP290 monobloc heat pump offers a low-GWP refrigerant with high efficiencies.

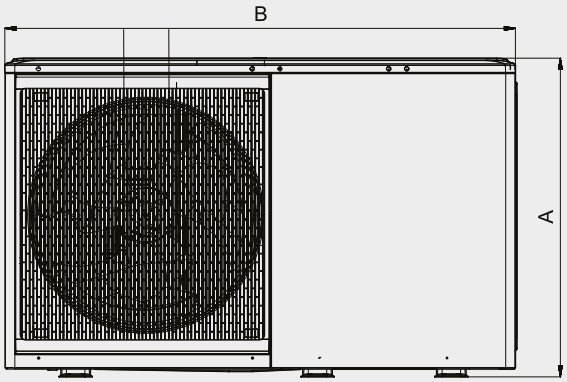
The HP290 can provide efficient heating and hot water throughout the year by utilising our pre-plumbed and pre-wired cylinder. The system offers our users an aesthetically pleasing heating solution with a modern design and colour when paired with Halo Lite RF, a great user experience.

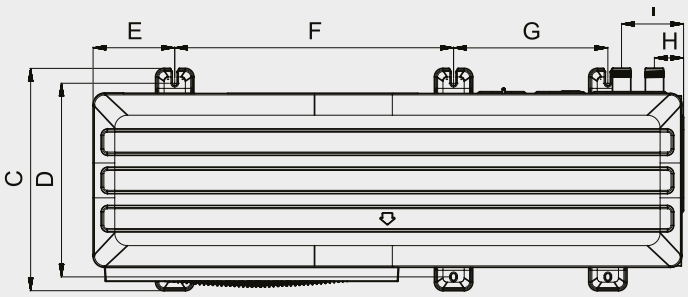
Our heat pumps are supported by our industry leading customer service and warranty team which is based in the UK and is open 364-days a year, providing customer service and technical support.

DIMENSIONS

	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







KEY FEATURES

- Low GWP R290 Refrigerant
- Highly efficient: SCOP over 500%*
- Compatibility: radiator and underfloor heating systems
- 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
- Up to 75°C

Technical Specification.

		HP290 4.5kW	HP290 6kW	HP290 8kW	HP290 10kW	HP290 12kW	HP290 14kW
Ideal Product Code		241486	241487	241488	241489	241490	241491
MCS Certified		Yes	Yes	Yes	Yes	Yes	Yes
Heat Pump Space Heating [35°C]*	ErP Rating	A+++	A+++	A+++	A+++	A+++	A+++
	ηs	199	192	199	183	182	180
	SCOP (EN14825)	5.07	4.89	5.07	4.67	4.63	4.59
Heat Pump Space Heating [55°C]*	ErP Rating	A++	A++	A++	A++	A++	A++
	ηs	148	149	149	141	141	139
	SCOP (EN14825)	3.79	3.82	3.82	3.62	3.61	3.57
Heating [A 7°C / W 35°C]*	Capacity (kW)	4.5	6.2	10	12	14	15
	Power Input (kW)	0.87	1.27	2.13	2.5	3.11	3.41
	COP	5.15	4.9	4.7	4.8	4.5	4.4
Heating [A 7°C / W 55°C]*	Capacity (kW)	4.6	6.2	9.5	12	14	15
	Power Input (kW)	1.44	2	3.12	3.87	4.67	5.26
	COP	3.2	3.1	3.05	3.1	3.0	2.85
Sound Power Level*	dB(A)	56	58	61	65	65	69
Pipework Connection Sizes	Heating F/R	1" BSP	1" BSP	1 1/4" BSP	1 1/4" BSP	1 1/4" BSP	1 1/4" BSP
Dimensions Outdoor Unit (mm)	Width	1299	1299	1385	1385	1385	1385
	Depth	426	426	523	523	523	523
	Height	717	717	865	865	865	865
Weight (kg)	Outdoor Unit	90	90	117	135	135	135
Electrical Data	Electrical Supply (50 Hz)	230v	230v	230v	230v	230v	230v
	Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
Refrigerant Charge (kg)*	R290	0.7	0.7	1.1	1.25	1.25	1.25
Certification	EN 14511:2018, EN 14825:2018, EN 12102-1:2022						

*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.

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EXPERT ACADEMY

INVESTMENT IN STATE-OF-THE ART TRAINING CENTRES

At Ideal heating our award winning 'Expert academy' offers training topics delivered both online and in-person. From comprehensive heat pump training programmes to quick toolbox tips that can be accessed via a smart phone, our Expert Academy provides a wide range of installer training options.

TRAINING LOCATIONS

OUR TRAINING CENTRES ARE ACCREDITED FOR BPEC AND CITY AND GUILDS.

Since 2012 we have invested over £10m, providing free or low-cost training to heating installers across the UK and Ireland.

SUPPORT

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