



HP290.

MONOBLOC AIR SOURCE HEAT PUMP



Designed for the UK climate



364 days a year UK customer service



Low GWP R290 Refrigerant



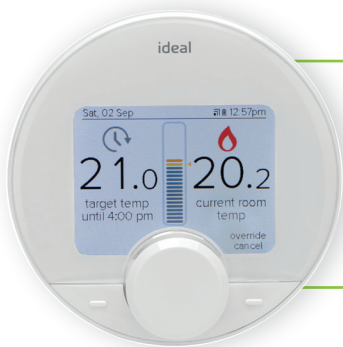
SCOP rating over 500%*



Hot water in sunshine, rain, ice and snow



Temperatures up to 75°C



HALO LITE RF



HP290.

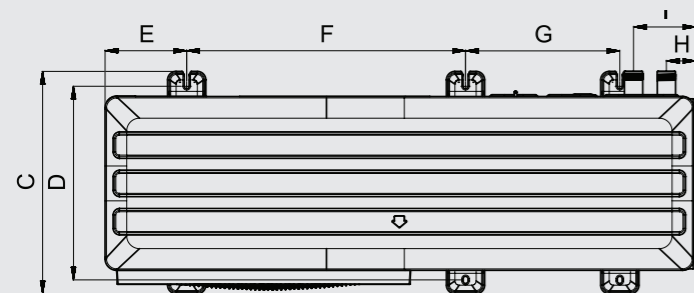
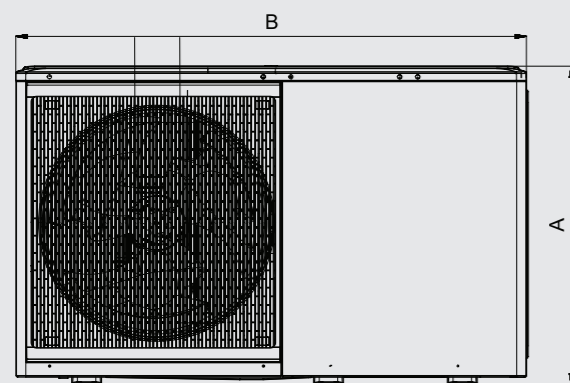
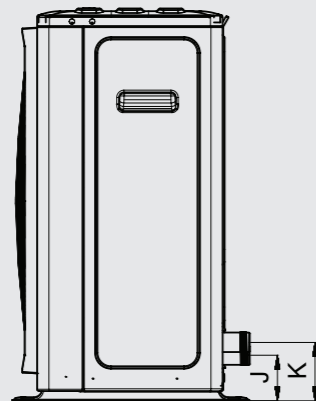
The HP290 monobloc heat pump offers a low-GWP refrigerant with high efficiencies.

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, 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.

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+++ |
| | ηs | 199 | 192 | 199 | 183 | 182 |
| | SCOP (EN14825) | 5.07 | 4.89 | 5.07 | 4.67 | 4.63 |
| Heat Pump Space Heating [55°C]* | ErP Rating | A++ | A++ | A++ | A++ | A++ |
| | ηs | 148 | 149 | 149 | 141 | 141 |
| | SCOP (EN14825) | 3.79 | 3.82 | 3.82 | 3.62 | 3.61 |
| Heating [A 7°C / W 35°C]* | Capacity (kW) | 4.5 | 6.2 | 10 | 12 | 14 |
| | Power Input (kW) | 0.87 | 1.27 | 2.13 | 2.5 | 3.11 |
| | COP | 5.15 | 4.9 | 4.7 | 4.8 | 4.5 |
| Heating [A 7°C / W 55°C]* | Capacity (kW) | 4.6 | 6.2 | 9.5 | 12 | 14 |
| | Power Input (kW) | 1.44 | 2 | 3.12 | 3.87 | 4.67 |
| | COP | 3.2 | 3.1 | 3.05 | 3.1 | 3.0 |
| Sound Power Level† | dB(A) | 56 | 58 | 61 | 65 | 65 |
| Pipework Connection Sizes | Heating F/R | 1" BSP | 1" BSP | 1 1/4" BSP | 1 1/4" BSP | 1 1/4" BSP |
| Dimensions Outdoor Unit (mm) | Width | 1299 | 1299 | 1385 | 1385 | 1385 |
| | Depth | 426 | 426 | 523 | 523 | 523 |
| | Height | 717 | 717 | 865 | 865 | 865 |
| Weight (kg) | Outdoor Unit | 90 | 90 | 117 | 135 | 135 |
| | | | | | | |
| Electrical Data | Electrical Supply (50 Hz) | 230v | 230v | 230v | 230v | 230v |
| | 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 |
| 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.

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



Training

enquiries@expertacademy.co.uk

01482 498660



Customer Service

01482 498660

Technical Help Line

01482 498663