

**Haier**  
HVAC Solutions



**NEW**  
**PEARL  
PREMIUM**

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High Efficiency and  
Premium Features All in One.

[Haierhvac.eu](http://Haierhvac.eu)

# New PEARL PREMIUM

## Residential Mono-Split Inverter

2,5 kW

5,0 kW

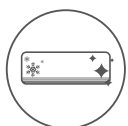
3,5 kW

7,1 kW



A+++ / A++

### Features



Self Clean



UVC Pro



56° Steri-Clean

Integrated  
Wi-Fi Control

Easy Installation



3-Level-Eco



Wi-Fi Easy Pair



I Feel

### New features VS Pearl

- Increased energy efficiency to A+++
- Upgraded remote controller to HE2
- I Feel functionality for added comfort

#### Added Features

- Wi-Fi Easy pairing
- 3-Level Eco
- UVC PRO



### Self-Clean

Our Self-Clean technology is the first of its kind to integrate the self-cleaning function of the evaporator and the condenser. It starts with cleaning the evaporator, then moves on to cleaning the condenser without stopping the compressor.

This innovative technology allows you to kill bacteria and keep the evaporator clean. It freezes the surface of the evaporator in contact with moisture in the air and eliminates dust in the defrosting process, thus ensuring the release of clean air.



### 56°C Steri-Clean

Destroys bacteria and viruses by heating the evaporator to an elevated temperature of 56°C for 30 minutes.

According to the latest research, it appears that almost no bacteria or virus can survive at 56°C for more than 30 minutes. After the heating process is completed, the evaporator is instantly cooled to achieve better Sterilisation performance.

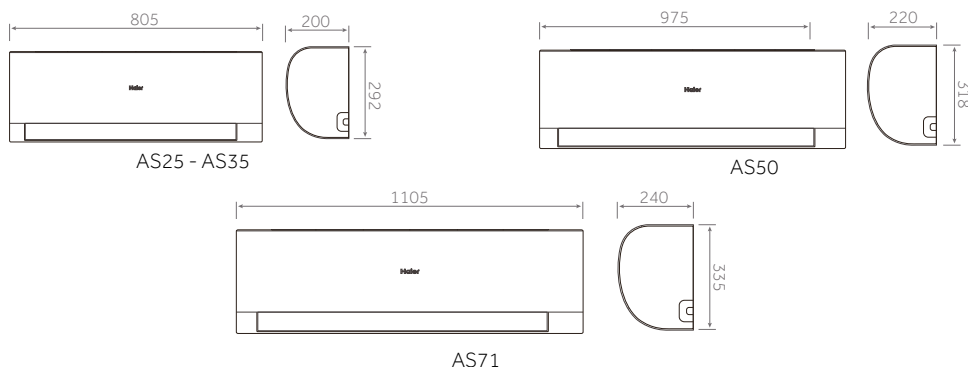


### 3-Level-Eco

The 3-Level-Eco is a brand new energy saving function which gives you the flexibility to set your Eco mode at 3 different levels.

It will truly help you to manage your energy consumption with savings that can reach up to 20%, 35% and 55% by limiting the compressor frequency.

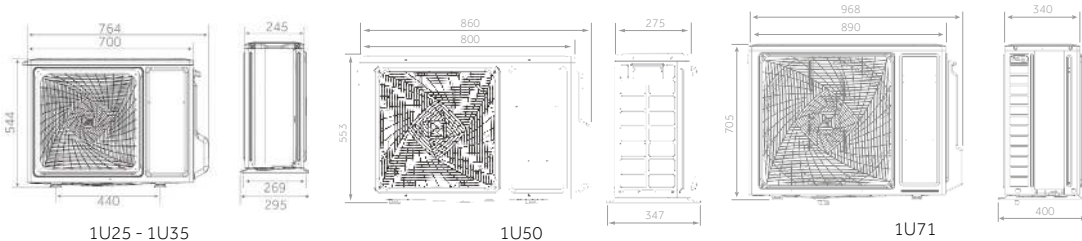
## Technical Illustration



## Outdoor Unit



## Outdoor Illustrations



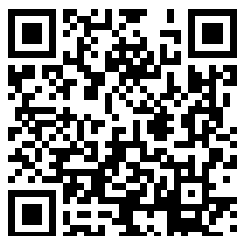
## Controller



| INDOOR UNIT                                     | Model         |                     | AS25PBPHRA-PRE    | AS35PBPHRA-PRE    | AS50DPHRA-PRE        | AS71PEPHRA-PRE       |
|-------------------------------------------------|---------------|---------------------|-------------------|-------------------|----------------------|----------------------|
| OUTDOOR UNIT                                    | Model         |                     | 1U25YEPFRA-PRE    | 1U35MEPFRA-PRE    | 1U50KEPFRA-PRE       | 1U71WEPFRA-PRE       |
| Performance data                                |               |                     |                   |                   |                      |                      |
| Output power - COOLING                          | nom (min-max) | KW                  | 2,70 (0,80-3,60)  | 3,60 (0,80-4,00)  | 5,30 (2,00-6,30)     | 7,10 (2,10-8,00)     |
| Output power - HEATING                          | nom (min-max) | KW                  | 3,10 (0,80-4,30)  | 3,90 (0,80-4,50)  | 5,80 (1,35-6,80)     | 7,40 (1,50-8,50)     |
| Absorbed power - COOLING                        | nom (min-max) | KW                  | 0,711 (0,40-1,06) | 1,11 (0,40-1,31)  | 1,51 (0,21-2,20)     | 1,97 (0,32-2,90)     |
| Absorbed power - HEATING                        | nom (min-max) | KW                  | 0,835 (0,40-1,39) | 1,051 (0,40-1,53) | 1,45 (0,50-2,70)     | 1,95 (0,60-3,20)     |
| Energy Class                                    | EER           | W/W                 | 3,80              | 3,23              | 3,50                 | 3,60                 |
|                                                 | COP           | W/W                 | 3,71              | 3,71              | 4,00                 | 3,80                 |
| COOLING Pdesign                                 | 35 °C         | KW                  | 2,70              | 3,30              | 5,30                 | 7,10                 |
| HEATING Pdesign                                 | (-10 °C)      | KW                  | 2,40              | 2,80              | 4,60                 | 5,10                 |
| Energy Class                                    | SEER          |                     | 8,50 (A+++)       | 8,50 (A+++)       | 8,50 (A+++)          | 8,50 (A+++)          |
|                                                 | SCOP          |                     | 4,60 (A+++)       | 4,60 (A++)        | 4,60 (A++)           | 4,60 (A++)           |
| Annual Energy Consumption - COOLING             |               | kWh/a               | 111               | 136               | 218                  | 292                  |
| Annual Energy Consumption - HEATING             |               | kWh/a               | 730               | 852               | 1400                 | 1704                 |
| Indoor Unit                                     |               |                     |                   |                   |                      |                      |
| Power supply                                    |               | Ph/V/Hz             | 1/220-240/50      | 1/220-240/50      | 1/220-240/50         | 1/220-240/50         |
| Treated air volume                              |               | m <sup>3</sup> /h   | 550               | 640               | 830                  | 910                  |
| Dehumidification                                |               | L/h                 | 1,2               | 1,4               | 2,3                  | 3,0                  |
| High sound power - COOLING                      |               | dB                  | 56                | 60                | 60                   | 65                   |
| High sound power - HEATING                      |               | dB                  | 56                | 60                | 60                   | 65                   |
| Sound pressure - COOLING                        |               | dB(A)               | 37/32/28/18       | 38/33/29/18       | 44/40/36/31          | 48/42/35/27          |
| Sound pressure - HEATING                        |               | dB(A)               | 37/32/28/18       | 38/33/29/18       | 44/40/36/31          | 48/42/35/27          |
| Net dimensions                                  | WxDxH         | mm                  | 805 x 200 x 292   | 805 x 200 x 292   | 975 x 220 x 318      | 1105 x 240 x 335     |
| Packaging dimensions                            | WxDxH         | mm                  | 876 x 272 x 365   | 876 x 272 x 365   | 1050 x 397 x 301     | 1185 x 428 x 331     |
| Net/gross weight                                |               | kg                  | 8,1/10,3          | 8,6/10,8          | 11,6/14,4            | 15,4/18,9            |
| Outdoor Unit                                    |               |                     |                   |                   |                      |                      |
| Power supply                                    |               | Ph/V/Hz             | 1/220-240/50      | 1/220-240/50      | 1/220-240/50         | 1/220-240/50         |
| Power cable                                     |               | N x mm <sup>2</sup> | 3 x 1,0           | 3 x 1,0           | 3 x 2,5              | 3 x 2,5              |
| Interconnection cable                           |               | N x mm <sup>2</sup> | 4 x 1,0           | 4 x 1,0           | 4 x 1,0              | 4 x 1,0              |
| Sound power                                     |               | dB                  | 62                | 65                | 65                   | 70                   |
| Sound pressure                                  |               | dB(A)               | 49                | 51                | 55                   | 57                   |
| Running current cooling/heating                 | Max           | A                   | 4,81/6,31         | 4,82/6,95         | 10,0/12,3            | 13,2/14,5            |
| Starting current cooling/heating                | Max           | A                   | 1,5/1,5           | 1,5/1,5           | 2,0/2,0              | 2,0/2,0              |
| Net dimensions                                  | WxDxH         | mm                  | 700 x 245 x 544   | 800 x 280 x 553   | 820 x 306 x 642      | 890 x 340 x 705      |
| Packaging dimensions                            | WxDxH         | mm                  | 819 x 320 x 592   | 902 x 375 x 614   | 940 x 390 x 697      | 1046 x 460 x 780     |
| Net/gross weight                                |               | kg                  | 24,6/27,0         | 28,5/31,4         | 37,8/40,5            | 43,0/47,0            |
| Compressor type                                 |               |                     | Rotary Inverter   | Rotary Inverter   | Twin Rotary Inverter | Twin Rotary Inverter |
| Installation data                               |               |                     |                   |                   |                      |                      |
| Refrigerant                                     |               |                     | R32               | R32               | R32                  | R32                  |
| Liquid pipe                                     | Ø             | mm (inch)           | 6,35 (1/4)        | 6,35 (1/4)        | 6,35 (1/4)           | 6,35 (1/4)           |
| Gas pipe                                        | Ø             | mm (inch)           | 9,52 (3/8)        | 9,52 (3/8)        | 12,70 (1/2)          | 15,88 (5/8)          |
| Standard pipe length without refrigerant charge |               | m                   | 5                 | 5                 | 7                    | 7                    |
| Maximum pipe length                             |               | m                   | 20                | 20                | 25                   | 25                   |
| Maximum IU - OU elevation                       |               | m                   | 10                | 10                | 15                   | 15                   |
| Refrigerant charge in the factory               |               | kg                  | 0,58              | 0,65              | 1,10                 | 1,35                 |
| Refrigerant charge in the factory               |               | TCO <sub>2</sub> eq | 0,39              | 0,44              | 0,74                 | 0,91                 |
| Additional ref. charge over std length          |               | g/m                 | 20                | 20                | 20                   | 20                   |
| Operating limits - COOLING (in/out)             | min-max       | °C                  | 21-35°C/-20-43°C  |                   |                      |                      |
| Operating limits - HEATING (in/out)             | min-max       | °C                  | 10-27°C/-20-24°C  |                   |                      |                      |

# PEARL PREMIUM

Residential Mono-Split Inverter



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