

Haier
HVAC Solutions

Professional, Smart &
Healthy Air Solutions



PEARL

Comfort at its best

Haierhvac.eu

PEARL

Residential Mono-Split Inverter

2,5 kW 5,0 kW
3,5 kW 6,8 kW

Haier



Features



- Coanda Plus Air Flow
- Self-Clean
- Steri-Clean 56°C
- UVC Sterilisation
- HON Wi-Fi
- Easy Installation
- On/Off Card
- Low Noise Level



UVC Sterilisation

The Haier UVC generator has received a Novel Coronavirus Inactivation certificate from the leader Texcell S.A, an independent viral testing laboratory in France.

The global research body has concluded that the Haier UVC Generator inactivates 99.998% of Novel Coronavirus (SARS-CoV-2) within their sealed testing facilities.



56°C Steri-Clean

Destroys bacteria and viruses by heating the evaporator to a 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.

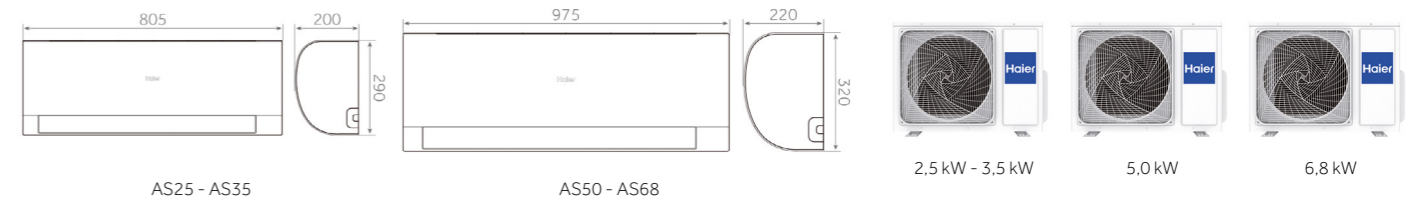


Coanda Plus Air Flow

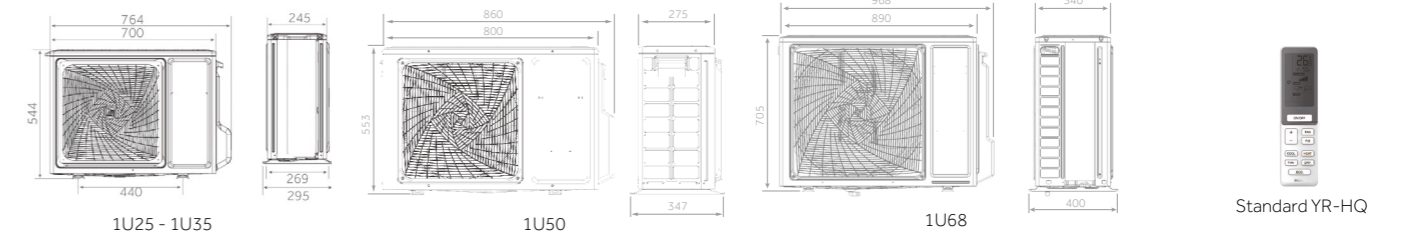
The special aerodynamic design of the air vents lets the airflow go farther and more powerfully, while keeping noise and power consumption low with the smoother airflow.

The Coanda Plus airflow, consisting of 3 micro-perspective subparts, delivers the air more intuitively, and forms the circulation throughout the space.

Technical Illustrations



Outdoor Dimensions



| INDOOR UNIT | | Model | AS25PBAHRA | AS35PBAHRA | AS50PDAHRA | AS68PDAHRA |
|---|---------------|---------------------|-------------------|-------------------|-------------------|-------------------|
| OUTDOOR UNIT | | Model | 1U25YEGFRA-1 | 1U35YEGFRA-2 | 1U50MEGFRA | 1U68MEGFRA |
| Performance data | | | | | | |
| Output power - COOLING | nom (min-max) | KW | 2,60 (0,80-3,00) | 3,50 (0,80-3,60) | 5,00 (1,30-5,80) | 6,80 (2,20-8,50) |
| Output power - HEATING | nom (min-max) | KW | 2,80 (0,80-3,20) | 3,50 (0,80-4,20) | 5,20 (1,40-6,00) | 6,80 (2,40-9,50) |
| Absorbed power - COOLING | nom (min-max) | KW | 0,804 (0,30-1,20) | 1,206 (0,30-1,60) | 1,547 (0,40-2,00) | 2,105 (0,70-2,90) |
| Absorbed power - HEATING | nom (min-max) | KW | 0,754 (0,30-1,40) | 0,943 (0,30-1,60) | 1,400 (0,52-2,50) | 1,831 (0,60-2,90) |
| Energy Class | EER | W/W | 3,23 | 2,90 | 3,23 | 3,23 |
| | COP | W/W | 3,71 | 3,71 | 3,71 | 3,71 |
| COOLING Pdesign | 35 °C | KW | 2,60 | 3,50 | 5,00 | 6,80 |
| HEATING Pdesign | (-10 °C) | KW | 2,40 | 2,80 | 4,60 | 5,60 |
| Energy Class | SEER | | 6,10 (A++) | 6,10 (A++) | 6,10 (A++) | 6,80 (A++) |
| | SCOP | | 4,00 (A+) | 4,00 (A+) | 4,00 (A+) | 4,00 (A+) |
| Annual Energy Consumption - COOLING | | kWh/a | 149 | 201 | 287 | 350 |
| Annual Energy Consumption - HEATING | | kWh/a | 840 | 980 | 1 610 | 1960 |
| 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 | H | m ³ /h | 550 | 600 | 900 | 1100 |
| Dehumidification | | L/h | 1,0 | 1,3 | 2,0 | 2,8 |
| High sound power - COOLING | | dB | 54 | 56 | 57 | 62 |
| High sound power - HEATING | | dB | 54 | 56 | 57 | 62 |
| Sound pressure - COOLING | | dB(A) | 37/33/28/18 | 37/33/29/19 | 44/40/35/28 | 47/45/37/29 |
| Sound pressure - HEATING | | dB(A) | 37/32/28/18 | 37/33/29/19 | 44/40/35/28 | 47/45/37/29 |
| Net dimensions | WxDxH | mm | 805x200x290 | 805x200x290 | 975x220x320 | 975x220x320 |
| Packaging dimensions | WxDxH | mm | 874x270x363 | 874x270x363 | 1050x301x397 | 1050x301x397 |
| Net/gross weight | | kg | 8,3/10,5 | 8,3/10,5 | 11,6/14,4 | 11,6/14,4 |
| 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 ² | 3 x 1,0 | 3 x 1,5 | 3 x 2,5 | 3 x 2,5 |
| Interconnection cable | | N x mm ² | 4 x 1,0 | 4 x 1,0 | 4 x 1,0 | 4 x 1,0 |
| Sound power | H | dB | 62 | 63 | 65 | 68 |
| Sound pressure | H | dB(A) | 49 | 50 | 53 | 53 |
| Running current cooling/heating | Max | A | 6,2/6,2 | 7,1/7,1 | 11,3/11,3 | 13,0/13,0 |
| 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 | 700x245x544 | 700x245x544 | 800 x 275 x 553 | 890x340x705 |
| Packaging dimensions | WxDxH | mm | 819x320x585 | 819x320x585 | 902x375x607 | 1046x460x780 |
| Net/gross weight | | kg | 22,8/25,3 | 23,5/26,0 | 32,7/36,5 | 44,0/48,0 |
| Compressor type | | | Rotary Inverter | Rotary Inverter | Rotary Inverter | Rotary Inverter |
| Installation data | | | | | | |
| Refrigerant | | | R32 | R32 | R32 | R32 |
| Liquid pipe | ∅ | mm (inch) | 6,35 (1/4) | 6,35 (1/4) | 6,35 (1/4) | 6,35 (1/4) |
| Gas pipe | ∅ | mm (inch) | 9,52 (3/8) | 9,52 (3/8) | 12,70 (1/2) | 12,70 (1/2) |
| 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 | 0,52 | 0,53 | 0,90 | 1,10 |
| Refrigerant charge in the factory | | TCO ₂ eq | 0,35 | 0,36 | 0,61 | 0,74 |
| Additional ref. charge over std length | | g/m | 20 | 20 | 20 | 20 |
| Operating limits - COOLING (in/out) | min-max | °C | 21-35°C/-10-43°C | | | |
| Operating limits - HEATING (in/out) | min-max | °C | 10-27°C/-15-24°C | | | |

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Haier HVAC
European HQ

Via Marconi, 96. 31020
Revine Lago (TV) - Italy
haierhvac.eu