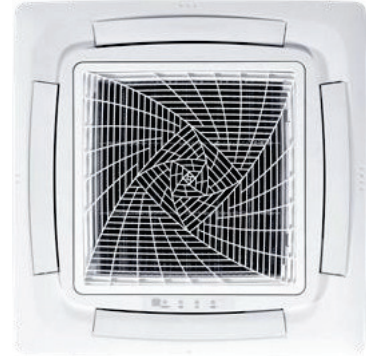
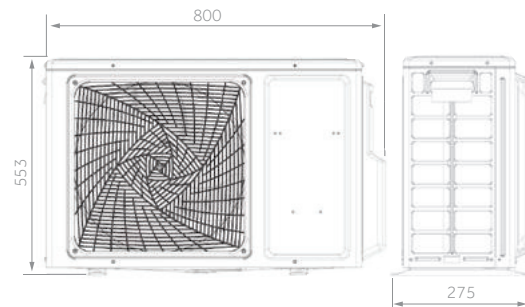
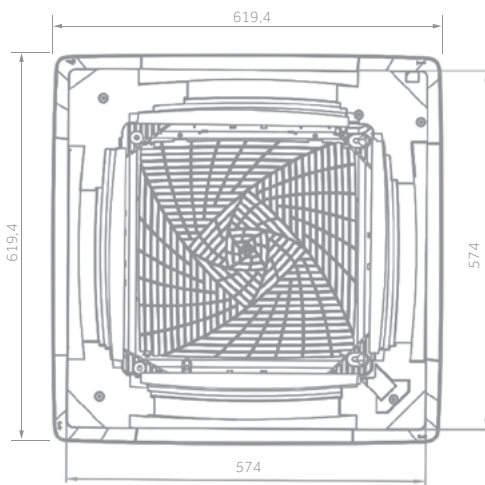


CASSETTE 620

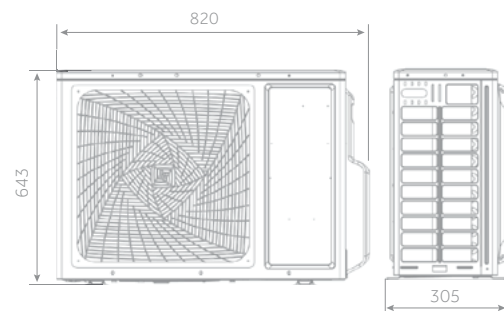


AB25 - AB35 - AB50

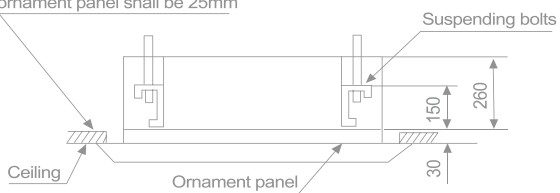
1U25 - 1U35



1U50



Overlap between ceiling and ornament panel shall be 25mm



2,5 kW - 3,5 kW



5,0 kW

CASSETTE 620

Haier

2,5 kW

3,5 kW

5,0 kW

Please see pages 40 & 41
For Controller Options

MONOSPLIT



A++ / A



Silence



4 Way Independent



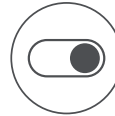
Integrated Wi-Fi Control



UVC Sterilisation



Fresh Air



On-Off Card



- Low noise level
- Integrated Wi-Fi control
- 'Fresh air' knockout is incorporated in the chassis to allow fresh air introduction of up to 20% of nominal unit air flow without compromising the cooling capacity.
- On-Off card

| INDOOR UNIT | Model | | AB25S2SC2FA(H) | AB35S2SC2FA(H) | AB50S2SC2FA(H) |
|---|---------------|---------------------|-----------------|------------------|------------------|
| OUTDOOR UNIT | Model | | 1U25S2SM1FA-2 | 1U35S2SM1FA-2 | 1U50S2SJ2FA-2 |
| Performance data | | | | | |
| Output power - COOLING | nom (min-max) | kW | 2,5 (0,7-4,3) | 3,50 (0,90-4,50) | 5,00 (1,80-5,80) |
| Output power - HEATING | nom (min-max) | kW | 3,23 (0,9-4,6) | 4,00 (1,00-4,80) | 5,50 (2,00-6,50) |
| Absorbed power - COOLING | nom (min-max) | kW | 0,89 (0,25-1,6) | 1,06 (0,28-1,80) | 1,53 (0,55-2,00) |
| Absorbed power - HEATING | nom (min-max) | kW | 0,87 (0,25-1,6) | 1,08 (0,28-1,80) | 1,52 (0,60-2,00) |
| Energy class | EER | W/W | 2,8 | 3,31 | 3,26 |
| | COP | W/W | 3,71 | 3,71 | 3,42 |
| COOLING Pdesign | 35 °C | kW | 2,5 | 3,50 | 5,00 |
| HEATING Pdesign | (-10 °C) | kW | 2,8 | 3,00 | 4,00 |
| Energy class | SEER | | 6,10 (A++) | 6,10 (A++) | 6,10 (A++) |
| | SCOP | | 4,00 (A+) | 3,80 (A) | 4,00 (A+) |
| Annual Energy Consumption - COOLING | | kWh/a | 210 | 222 | 363 |
| Annual Energy Consumption - HEATING | | kWh/a | 1398 | 1427 | 1932 |
| Indoor Unit | | | | | |
| Power supply | | Ph/V/Hz | 1/220-240/50/60 | 1/220-240/50/60 | 1/220-240/50/60 |
| Treated air volume | (H/M/L/Q) | m ³ /h | 580/480/380/280 | 620/520/450/350 | 700/620/500/400 |
| High sound power | | dB | 50 | 52 | 55 |
| Sound pressure | | dB(A) | 35/32/28/26 | 36/33/30/27 | 42/37/35/32 |
| Net dimensions | WxDxH | mm | 570x570x260 | 570x570x260 | 570x570x260 |
| Packaging dimensions | WxDxH | mm | 718x680x380 | 718x680x380 | 718x680x380 |
| Net/gross weight | | kg | 18,5/22 | 18,5/22,0 | 19,0/22,0 |
| Panel | Model | | PB-620KB(H) | PB-620KB(H) | PB-620KB(H) |
| Panel Net dimensions | WxDxH | mm | 620x620x60 | 620x620x60 | 620x620x60 |
| Panel Packaging dimensions | WxDxH | mm | 660x660x115 | 660x660x115 | 660x660x115 |
| Panel Net/gross weight | | | 2,8/4,5 | 2,8/4,5 | 2,8/4,5 |
| Outdoor Unit | | | | | |
| Power supply | | Ph/V/Hz | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Power cable | | N x mm ² | 3 x 1,5 | 3 x 1,5 | 3 x 1,5 |
| Interconnection cable | | N x mm ² | 4 x 1,0 | 4 x 1,0 | 4 x 1,0 |
| Sound power | H | dB | 60 | 61 | 63 |
| Sound pressure | H | dB(A) | 47 | 48 | 50 |
| Running current cooling/heating | Max | A | 8,0 | 8,0 | 10,68 |
| Starting current cooling/heating | Max | A | 2,0 | 2,0 | 2,0 |
| Net dimensions | WxDxH | mm | 800x275x553 | 800x275x553 | 820x305x643 |
| Packaging dimensions | WxDxH | mm | 902x375x607 | 902x375x607 | 940x390x697 |
| Net/gross weight | | kg | 27,6/30,4 | 30,0/32,9 | 35,7/38,5 |
| Compressor type | | | Rotary inverter | Rotary inverter | Rotary inverter |
| Installation data | | | | | |
| Refrigerant | | | R32 | R32 | R32 |
| Liquid pipe | ∅ | mm (inch) | 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) |
| Standard pipe length without refrigerant charge | | m | 7 | 7 | 7 |
| Maximum pipe length | | m | 20 | 20 | 25 |
| Maximum IU - OU elevation | | m | 10 | 10 | 15 |
| Refrigerant charge in the factory | | kg | 0,63 | 0,78 | 1,10 |
| Refrigerant charge in the factory | | TCO _{2eq} | 0,43 | 0,53 | 0,74 |
| Additional ref, charge over std length | | g/m | 20 | 20 | 20 |
| Outdoor operating limits - COOLING | min-max | °C | | -20-43 | |
| Outdoor operating limits - HEATING | min-max | °C | | -20-24 | |

ROUND FLOW CASSETTE



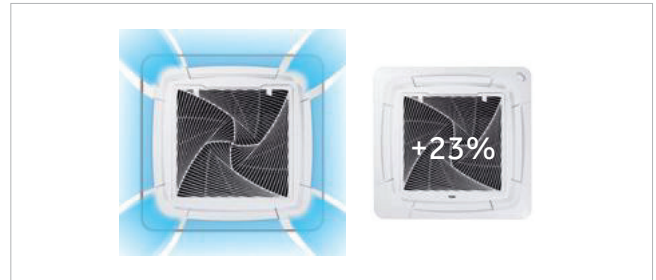
ROUND FLOW CASSETTE

360-DEGREE FLOW

Thanks to an 8 way flow of air, it is possible to ensure a 360-degree airflow without any blind spots.

NEW DESIGN +23% AIRFLOW

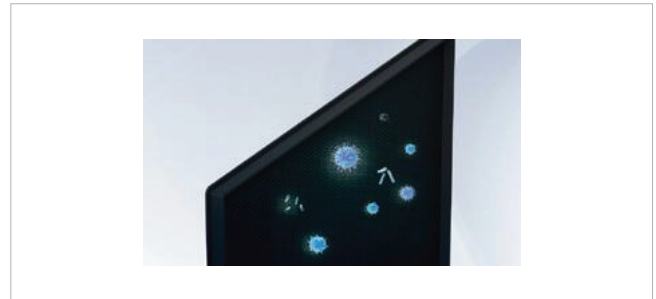
The increased surface area of the new grill ensures a greater distribution of air (+23%) compared to traditional models.



HEALTHY FILTER

Haier antibacterial filter has added silver ions and antibacterial organics to kill Escherichia coli & Staphylococcus aureus effectively, with long lasting effects.

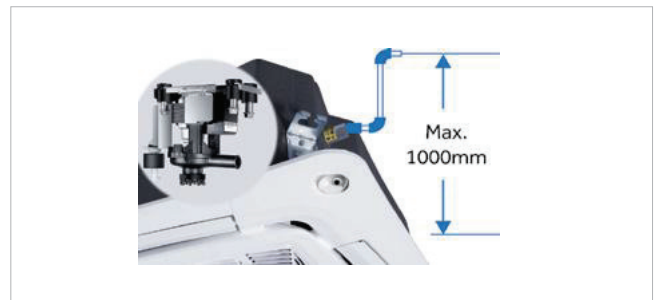
Panel with antibacterial filter is PB-950KB(H) (Optional).



CONDENSATE DRAIN

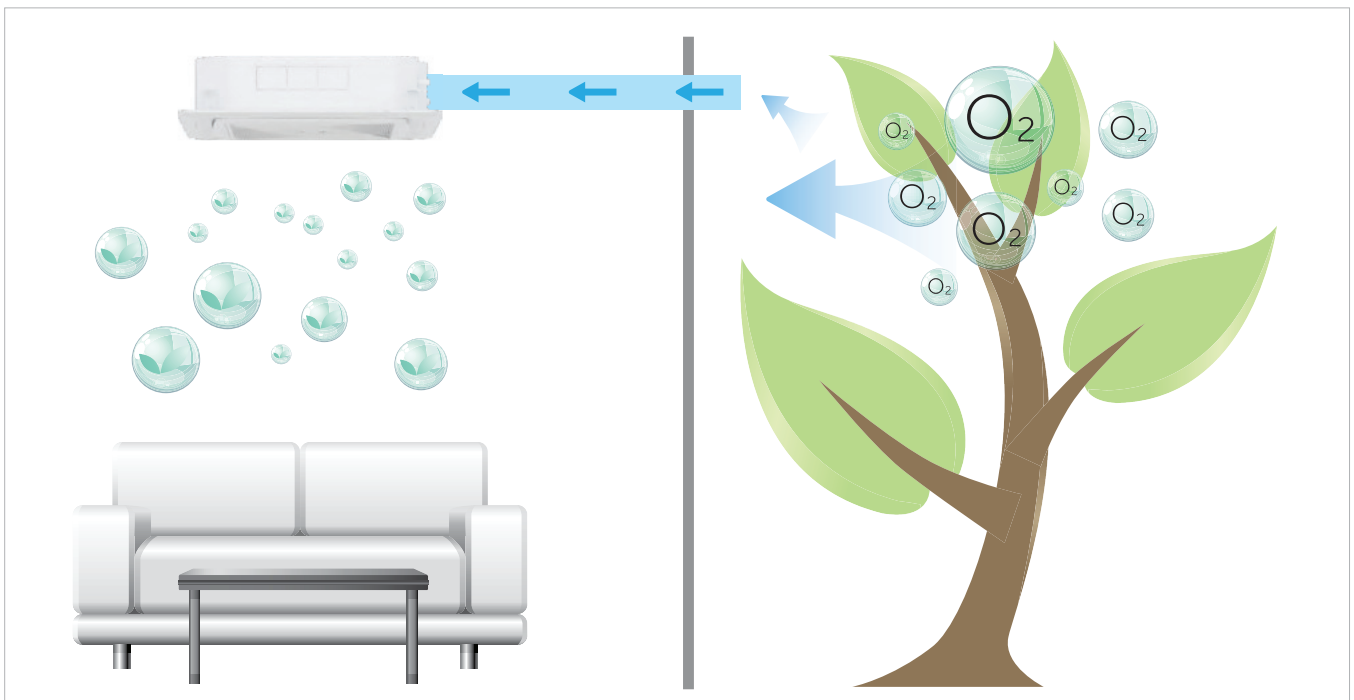
The Cassette units include the condensation drain pump as standard, which guarantees a maximum prevalence of 1000 mm measured from the base of the machine.

There is the possibility of performing condensate drain by gravity (reversible on both sides).



FRESH AIR

Air exchange allows introduction of clean air into the ambient.



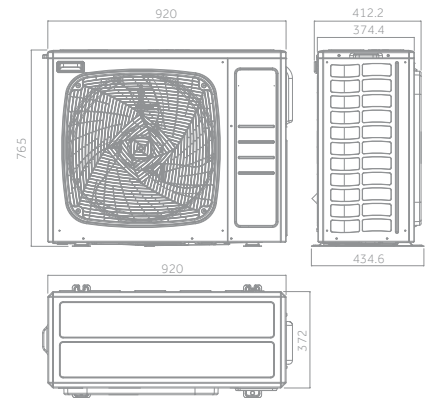
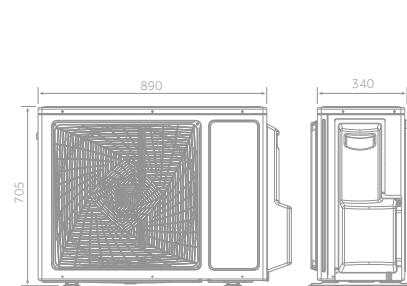
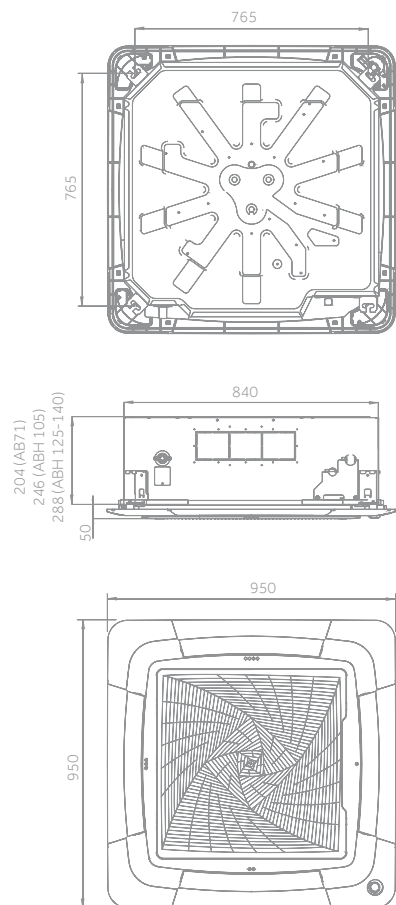
ROUND FLOW CASSETTE



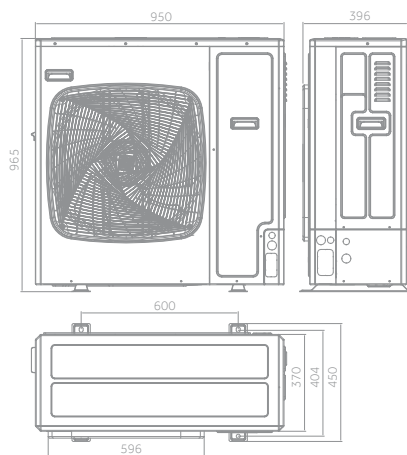
AB71 - ABH105 - ABH125

1U71

1U105



1U125



7,1 kW



10,5 kW



12,5 kW

ROUND FLOW CASSETTE



7,1 kW

9,2 kW

12,3 kW

Please see pages 40 & 41
For Controller Options



Silence



8 Way Independent



Fresh Air



Integrated Wi-Fi Control



UVC Sterilisation



- Low noise level
- 'Fresh air' knockout is incorporated in the chassis to allow fresh air introduction of up to 20% of nominal unit air flow without compromising the cooling capacity. More than 20% of the air conditioner's thermal cooling capacity is penalise.
- Integrated Wi-Fi control
- UVC Sterilisation

| Indoor Unit | Model | | AB71S2SG1FA(H) | ABH105H1ERG(H) | ABH105H1ERG(H) | ABH125K1ERG(H) | ABH125K1ERG(H) |
|---|---------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Outdoor Unit | Model | | 1U71S2ST1FA | 1U105S2SS2FA | 1U105S2SS1FB | 1U125S2SN2FA | 1U125S2SN2FB |
| Performance data | | | | | | | |
| Output power - COOLING | nom (min-max) | kW | 7,10 (2,00-7,30) | 9,20 (2,50-10,00) | 9,20 (2,50-10,00) | 12,30 (3,00-13,00) | 12,40 (3,00-13,00) |
| Output power - HEATING | nom (min-max) | kW | 7,90 (2,50-8,00) | 10,10 (3,00-10,50) | 10,50 (3,00-11,00) | 12,70 (3,50-13,50) | 12,80 (3,50-13,50) |
| Absorbed power - COOLING | nom (min-max) | kW | 2,00 (0,50-2,60) | 3,12 (0,50-4,00) | 3,25 (0,50-4,00) | 4,84 (1,00-6,00) | 4,81 (1,00-6,00) |
| Absorbed power - HEATING | nom (min-max) | kW | 2,11 (0,50-2,60) | 2,91 (0,50-4,00) | 3,10 (0,50-4,00) | 4,44 (1,00-6,00) | 4,41 (1,00-6,00) |
| Energy class | EER | W/W | 3,55 | 3,00 | 3,00 | 2,54 | 2,58 |
| | COP | W/W | 3,75 | 3,50 | 3,50 | 2,86 | 2,93 |
| COOLING Pdesign | 35 °C | kW | 7,10 | 9,20 | 9,20 | 12,30 | 12,40 |
| HEATING Pdesign | (-10 °C) | kW | 5,00 | 7,00 | 6,00 | 8,30 | 8,30 |
| Energy class | SEER | | 6,85 (A++) | 5,90 (A+) | 5,90 (A+) | 5,68 (A+) | 5,71 (A+) |
| | SCOP | | 4,23 (A+) | 3,80 (A) | 3,91 (A) | 3,93 (A) | 3,96 (A) |
| Annual Energy Consumption - COOLING | | kWh/a | 406 | 555 | 555 | 740 | 736 |
| Annual Energy Consumption - HEATING | | kWh/a | 1831 | 2780 | 2136 | 3032 | 3003 |
| Indoor Unit | | | | | | | |
| Power supply | | Ph/V/Hz | 1/220-240/50/60 | 1/220-240/50/60 | 1/220-240/50/60 | 1/220-240/50/60 | 1/220-240/50/60 |
| Treated air volume | (H/M/L/Q) | m ³ /h | 1260/1070/820/680 | 1680/1530/1320/1190 | 1680/1530/1320/1190 | 1950/1600/1440/1200 | 1950/1600/1440/1200 |
| High sound power | | dB | 57 | 62 | 63 | 64 | 64 |
| Sound pressure | | dB(A) | 42/40/38/35 | 45/42/38/34 | 45/42/38/34 | 47/44/38/34 | 47/44/38/34 |
| Net dimensions | WxDxH | mm | 840x840x204 | 840x840x246 | 840x840x246 | 840x840x288 | 840x840x288 |
| Packaging dimensions | WxDxH | mm | 990x990x310 | 990x990x330 | 990x990x330 | 990x990x380 | 990x990x380 |
| Net/gross weight | | kg | 27,0/32,0 | 31,0/36,0 | 31,0/36,0 | 32,0/38,0 | 32,0/38,0 |
| Panel | Model | | PB-950KB(H) | PB-950KB(H) | PB-950KB(H) | PB-950KB(H) | PB-950KB(H) |
| Panel Net dimensions | WxDxH | mm | 950x950x50 | 950x950x50 | 950x950x50 | 950x950x50 | 950x950x50 |
| Panel Packaging dimensions | WxDxH | mm | 1013x1025x123 | 1013x1025x123 | 1013x1025x123 | 1013x1025x123 | 1013x1025x123 |
| Panel Net/gross weight | | | 6,5/9,5 | 6,5/9,5 | 6,5/9,5 | 6,5/9,5 | 6,5/9,5 |
| Outdoor Unit | | | | | | | |
| Power supply | | Ph/V/Hz | 1/220-240/50/60 | 1/220-240/50/60 | 3/380-415/50/60 | 1/220-240/50/60 | 3/380-415/50/60 |
| Power cable | | N x mm ² | 3 x 4,0 | 3 x 4,0 | 5 x 4,0 | 3 x 6,0 | 5 x 4,0 |
| Interconnection cable | | N x mm ² | 4 x 2,5 | 4 x 2,5 | 4 x 2,5 | 4 x 2,5 | 4 x 2,5 |
| Sound power | H | dB | 68 | 66 | 68 | 72 | 72 |
| Sound pressure | H | dB(A) | 54 | 53 | 54 | 58 | 58 |
| Running current cooling/heating | Max | A | 13,1 | 16,5 | 6,8 | 26,0 | 10,0 |
| Starting current cooling/heating | Max | A | 2,0 | 3,0 | 1,0 | 4,0 | 2,0 |
| Net dimensions | WxDxH | mm | 890x340x705 | 920x372x765 | 920x372x765 | 950x370x965 | 950x370x965 |
| Packaging dimensions | WxDxH | mm | 1046x460x780 | 1036x478x820 | 1085x485x830 | 1050x485x1130 | 1050x485x1130 |
| Net/gross weight | | kg | 44,0/48,0 | 60,0/65,0 | 61,0/66,0 | 84,0/89,0 | 85,0/90,0 |
| Compressor type | | | Twin rotary inverter | Twin rotary inverter | Twin rotary inverter | Twin rotary inverter | Twin rotary inverter |
| Installation data | | | | | | | |
| Refrigerant | | | R32 | R32 | R32 | R32 | R32 |
| Liquid pipe | ∅ | mm (inch) | 9,52 (3/8) | 9,52 (3/8) | 9,52 (3/8) | 9,52 (3/8) | 9,52 (3/8) |
| Gas pipe | ∅ | mm (inch) | 15,88 (5/8) | 15,88 (5/8) | 15,88 (5/8) | 15,88 (5/8) | 15,88 (5/8) |
| Standard pipe length without refrigerant charge | | m | 10 | 30 | 30 | 30 | 30 |
| Maximum pipe length | | m | 50 | 50 | 50 | 50 | 50 |
| Maximum IU - OU elevation | | m | 30 | 30 | 30 | 30 | 30 |
| Refrigerant charge in the factory | | kg | 1,23 | 1,70 | 1,70 | 2,30 | 2,30 |
| Refrigerant charge in the factory | | TCO ₂ eq | 0,83 | 1,15 | 1,15 | 1,55 | 1,55 |
| Additional ref. charge over std length | | g/m | 45 | 45 | 45 | 45 | 45 |
| Outdoor operating limits - COOLING | min-max | °C | | | -20-46 | | |
| Outdoor operating limits - HEATING | min-max | °C | | | -20-24 | | |

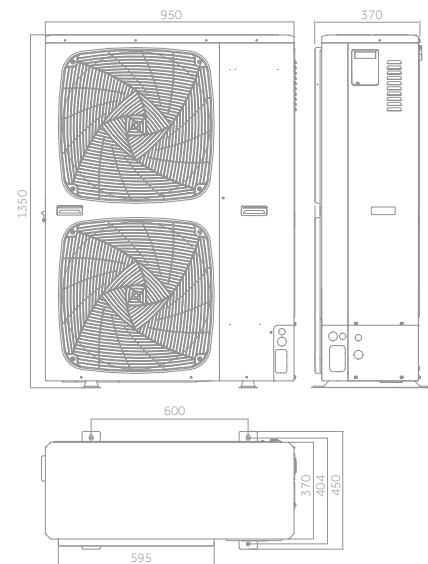
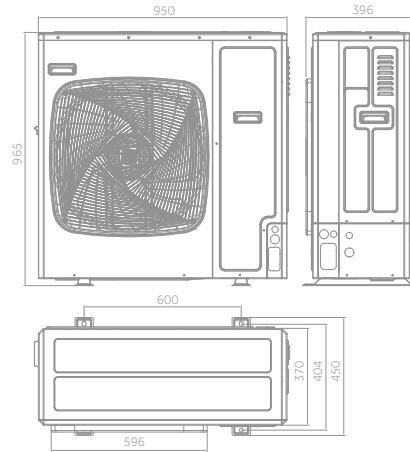
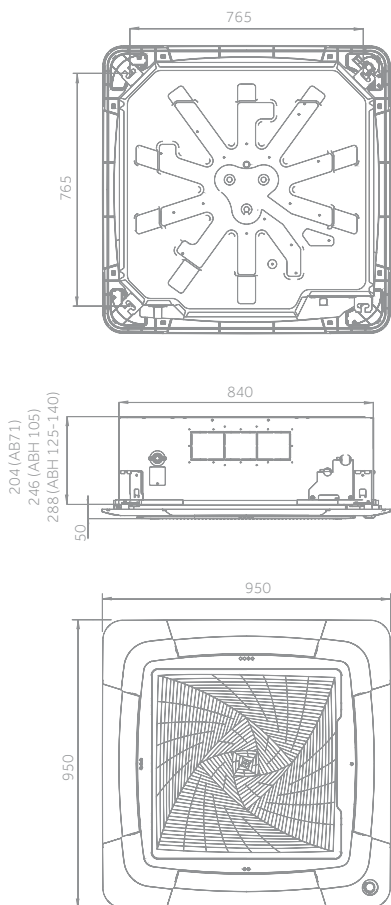
ROUND FLOW CASSETTE



ABH140 - ABH160

1U140

1U140 - 1U160



14,0 kW - 16,0 kW

ROUND FLOW CASSETTE

13,4 kW

15,0 kW

Please see pages 40 & 41
For Controller Options



- Low noise level
- 'Fresh air' knockout is incorporated in the chassis to allow fresh air introduction of up to 20% of nominal unit air flow without compromising the cooling capacity. More than 20% of the air conditioner's thermal cooling capacity is penalise
- Integrated Wi-Fi control
- UVC Sterilisation

| Indoor Unit | Model | | ABH140K1ERG(H) | ABH140K1ERG(H) | ABH140K1ERG(H) | ABH140K1ERG(H) | ABH160K1ERG(H) |
|---|---------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Outdoor Unit | Model | | 1U140S2SN1FA | 1U140S2SN1FB | 1U140S2SP2FA | 1U140S2SP2FB | 1U160S2SP1FB |
| Performance data | | | | | | | |
| Output power - COOLING | nom (min-max) | kW | 13,40 (3,50-14,00) | 13,40 (3,50-14,00) | 13,60 (4,00-15,00) | 13,60 (4,00-15,00) | 15,00 (4,50-16,00) |
| Output power - HEATING | nom (min-max) | kW | 15,00 (4,00-15,50) | 15,00 (4,00-15,50) | 15,00 (4,50-16,00) | 15,00 (4,50-16,00) | 16,00 (5,00-17,00) |
| Absorbed power - COOLING | nom (min-max) | kW | 5,51 (1,00-6,50) | 5,28 (1,00-6,50) | 4,86 (1,00-6,00) | 4,98 (1,00-6,00) | 5,03 (1,00-6,50) |
| Absorbed power - HEATING | nom (min-max) | kW | 5,77 (1,00-6,50) | 5,70 (1,00-6,50) | 4,75 (1,00-6,00) | 4,67 (1,00-6,00) | 5,26 (1,00-6,50) |
| Energy class | EER | W/W | 2,43 | 2,54 | 2,80 | 2,73 | 2,98 |
| | COP | W/W | 2,60 | 2,63 | 3,10 | 3,06 | 3,04 |
| COOLING Pdesign | 35 °C | kW | 13,40 | 13,40 | 13,60 | 13,60 | 15,00 |
| HEATING Pdesign | (-10 °C) | kW | 8,50 | 8,50 | 10 | 10 | 11,00 |
| Energy class | SEER | | 5,60 (A+) | 5,62 (A+) | 5,70 (A+) | 5,70 (A+) | 5,96 (A+) |
| | SCOP | | 3,93 (A) | 3,96 (A) | 3,94 (A) | 3,99 (A) | 3,99 (A) |
| Annual Energy Consumption - COOLING | | kWh/a | 838 | 834 | 800 | 782 | 880 |
| Annual Energy Consumption - HEATING | | kWh/a | 3032 | 3003 | 3768 | 3748 | 3859 |
| Indoor Unit | | | | | | | |
| Power supply | | Ph/V/Hz | 1/220-240/50/60 | 1/220-240/50/60 | 1/220-240/50/60 | 1/220-240/50/60 | 1/220-240/50/60 |
| Treated air volume | (H/M/L/Q) | m ³ /h | 1950/1600/1440/1200 | 1950/1600/1440/1200 | 1950/1600/1440/1200 | 1950/1600/1440/1200 | 2050/1600/1440/1220 |
| High sound power | | dB | 64 | 64 | 64 | 64 | 65 |
| Sound pressure | | dB(A) | 47/44/38/34 | 47/44/38/34 | 47/44/38/34 | 47/44/38/34 | 48/44/38/34 |
| Net dimensions | WxDxH | mm | 840x840x288 | 840x840x288 | 840x840x288 | 840x840x288 | 840x840x288 |
| Packaging dimensions | WxDxH | mm | 990x990x380 | 990x990x380 | 990x990x380 | 990x990x380 | 990x990x380 |
| Net/gross weight | | kg | 32,0/38,0 | 32,0/38,0 | 32,0/38,0 | 32,0/38,0 | 32,0/38,0 |
| Panel | Model | | PB-950KB(H) | PB-950KB(H) | PB-950KB(H) | PB-950KB(H) | PB-950KB(H) |
| Panel Net dimensions | | | 950x950x50 | 950x950x50 | 950x950x50 | 950x950x50 | 950x950x50 |
| Panel Packaging dimensions | | | 1013x1025x123 | 1013x1025x123 | 1013x1025x123 | 1013x1025x123 | 1013x1025x123 |
| Panel Net/gross weight | | | 6,5/9,5 | 6,5/9,5 | 6,5/9,5 | 6,5/9,5 | 6,5/9,5 |
| Outdoor Unit | | | | | | | |
| Power supply | | Ph/V/Hz | 1/220-240/50/60 | 3/380-415/50/60 | 1/220-240/50/60 | 3/380-415/50/60 | 3/380-415/50/60 |
| Power cable | | N x mm ² | 3 x 6,0 | 5 x 4,0 | 3 x 6,0 | 5 x 4,0 | 5 x 4,0 |
| Interconnection cable | | N x mm ² | 4 x 2,5 | 4 x 2,5 | 4 x 2,5 | 4 x 2,5 | 4 x 2,5 |
| Sound power | H | dB | 72 | 72 | 70 | 70 | 72 |
| Sound pressure | H | dB(A) | 58 | 58 | 53 | 53 | 58 |
| Running current cooling/heating | Max | A | 30,0 | 10,0 | 32,0 | 10,0 | 10,0 |
| Starting current cooling/heating | Max | A | 5,0 | 2,0 | 6,0 | 2,0 | 2,0 |
| Net dimensions | WxDxH | mm | 950x370x965 | 950x370x965 | 950x370x1350 | 950x370x1350 | 950x370x1350 |
| Packaging dimensions | WxDxH | mm | 1050x485x1130 | 1050x485x1130 | 1050x485x1500 | 1050x485x1500 | 1050x485x1500 |
| Net/gross weight | | kg | 84,0/89,0 | 85,0/90,0 | 105,0/118,0 | 101,0/116,0 | 101,0/116,0 |
| Compressor type | | | Twin rotary inverter | Twin rotary inverter | Twin rotary inverter | Twin rotary inverter | Twin rotary inverter |
| Installation data | | | | | | | |
| Refrigerant | | | R32 | R32 | R32 | R32 | R32 |
| Liquid pipe | ∅ | mm (inch) | 9,52 (3/8) | 9,52 (3/8) | 9,52 (3/8) | 9,52 (3/8) | 9,52 (3/8) |
| Gas pipe | ∅ | mm (inch) | 15,88 (5/8) | 15,88 (5/8) | 15,88 (5/8) | 15,88 (5/8) | 19,05 (3/4) |
| Standard pipe length without refrigerant charge | | m | 30 | 30 | 30 | 30 | 30 |
| Maximum pipe length | | m | 70 | 70 | 70 | 70 | 70 |
| Maximum IU - OU elevation | | m | 30 | 30 | 30 | 30 | 30 |
| Refrigerant charge in the factory | | kg | 2,30 | 2,30 | 2,90 | 3,50 | 3,50 |
| Refrigerant charge in the factory | | TCO _{2eq} | 1,55 | 1,55 | 1,96 | 2,36 | 2,36 |
| Additional ref. charge over std length | | g/m | 45 | 45 | 45 | 45 | 60 |
| Outdoor operating limits - COOLING | min-max | °C | | | -20-46 | | |
| Outdoor operating limits - HEATING | min-max | °C | | | -20-24 | | |