

NEW **ROUND FLOW CASSETTE**



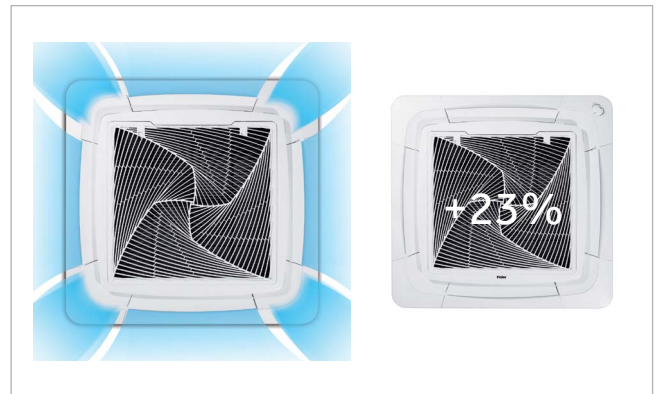
ROUND FLOW CASSETTE ^{NEW}

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

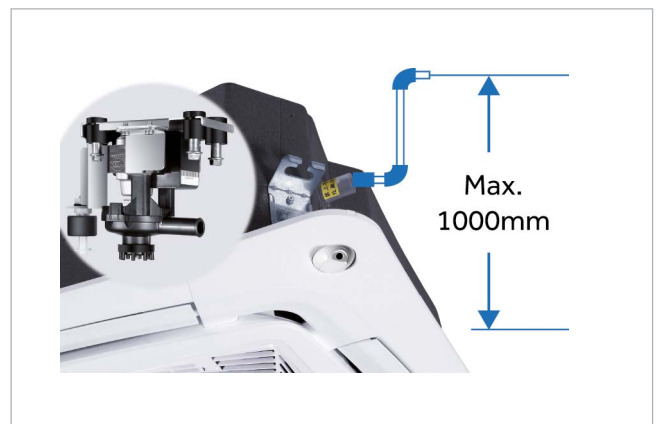
The increased surface area of the new grill ensures a greater distribution of air (+23%) compared to traditional models.



CONDENSATE DRAIN

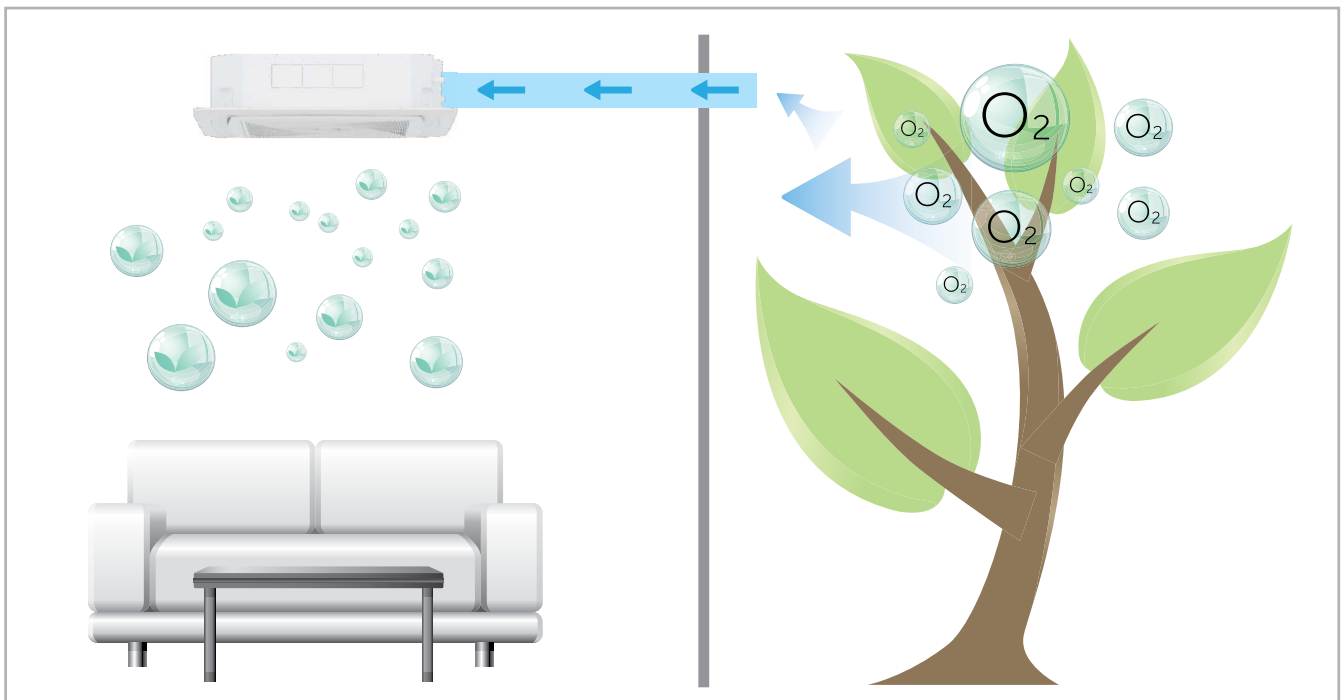
The ducted units include the condensation drain pump as standard, which guarantees a maximum prevalence of 1000 mm measured from the base of the machine.

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.



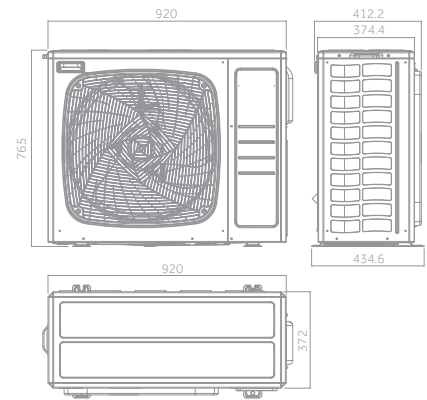
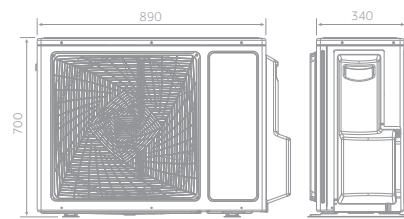
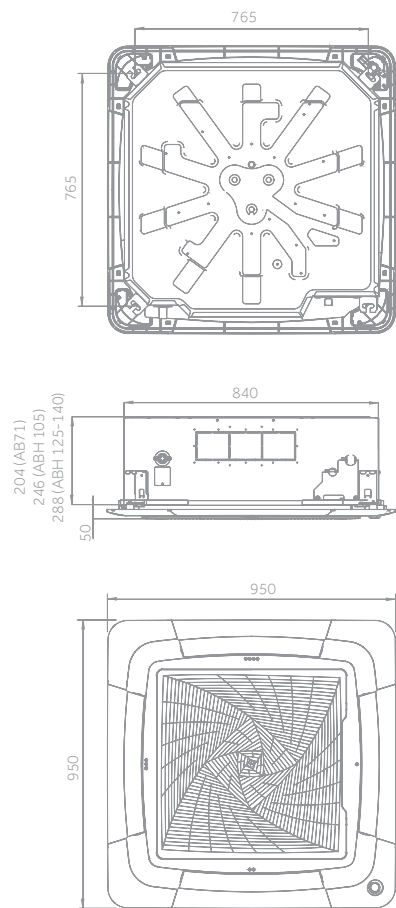
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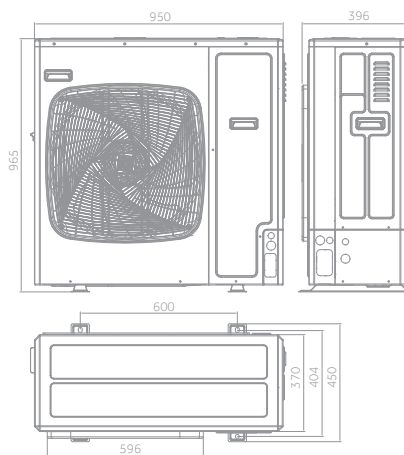
AB71 - ABH105 - ABH125

1U71

1U105



1U125



7,1 kW



10,5 kW



12,5 kW

ROUND FLOW CASSETTE NEW

7,1 kW

10,5 kW

12,5 kW

OPTIONAL CONTROL



Silence



8way Independent



Fresh Air



Wi-Fi control integrated



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.
- Wi-Fi control integrated
- UVC Sterilisation

| Indoor Unit | Model | | AB71S2SG1FA(H) | ABH105H1ERG(H) | ABH105H1ERG(H) | ABH125K1ERG(H) | ABH125K1ERG(H) |
|---|---------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Outdoor Unit | Model | | 1U71S2SR2FA | 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 | 8,00 (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 | 2,20 (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 | 1,91 (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 | 3,23 | 3,00 | 3,00 | 2,54 | 2,58 |
| | COP | W/W | 3,72 | 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 | | 6,10 (A++) | 5,90 (A+) | 5,90 (A+) | 5,68 (A+) | 5,71 (A+) |
| | SCOP | | 3,80 (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 | 55 | 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 | | | 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 | 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 | 67 | 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 | 890x340x700 | 920x372x765 | 920x372x765 | 950x370x965 | 950x370x965 |
| Packaging dimensions | WxDxH | mm | 1046x460x780 | 1036x478x820 | 1085x485x830 | 1050x485x1130 | 1050x485x1130 |
| Net/gross weight | | kg | 45,0/50,0 | 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 | 1,30 | 1,70 | 1,70 | 2,30 | 2,30 |
| Refrigerant charge in the factory | | TCO ₂ eq | 0,88 | 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 | | |

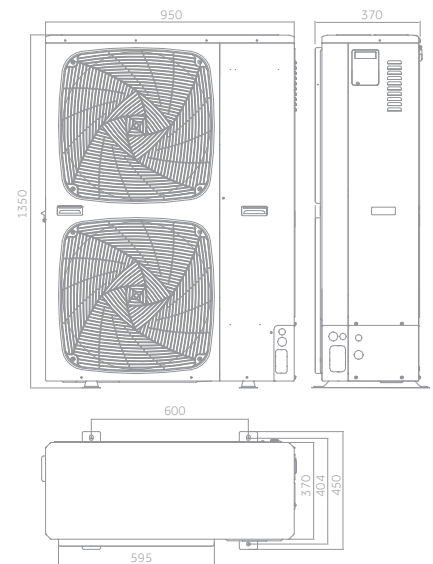
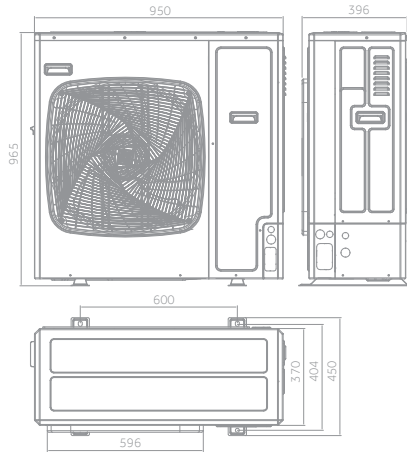
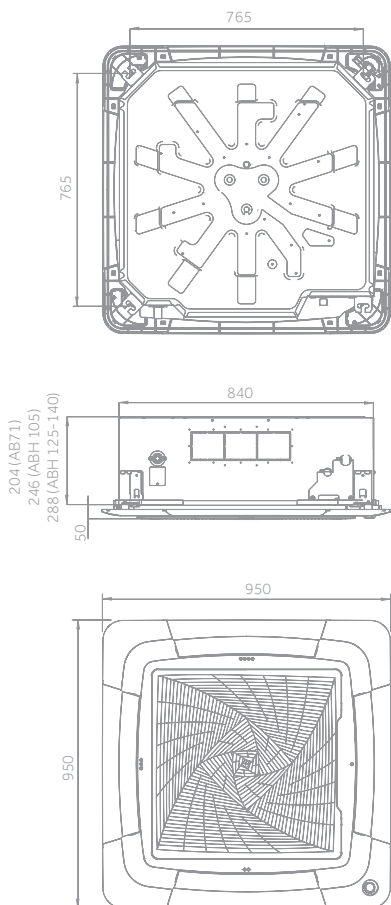
NEW ROUND FLOW CASSETTE



ABH140 - ABH160

1U140

1U140 - 1U160



10,5 kW



14,0 kW



16,0 kW

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14,0 kW

16,0 kW

OPTIONAL CONTROL



Silence



8way Independent



Fresh Air



Wi-Fi control integrated



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.
- Wi-Fi control integrated
- 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 ₂ eq | 1,55 | 1,55 | 1,96 | 2,36 | 2,36 |
| 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 | | |