

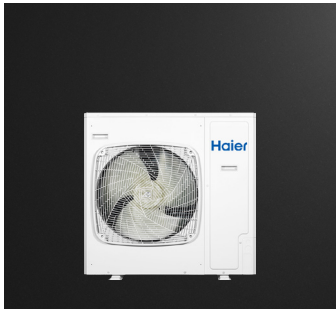
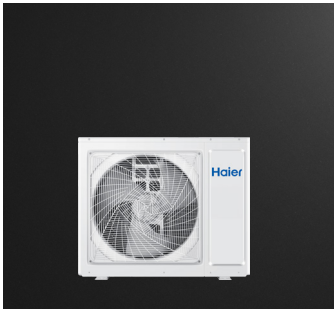
Indoor Units

Model ABH071H5ERG (7.1kW)  
Model ABH105K5ERG (10.0kW)  
Model ABH125K5ERG (12.0kW)  
Model AB140S5SR1FA (14.0kW)



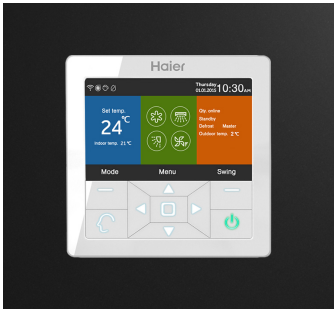
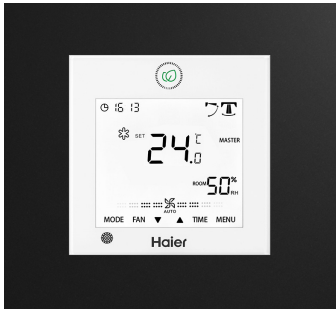
Outdoor Units

Model 1U71S2SS5FA      Model 1U100S2SN5FA      Model 1U125S2SP5FA  
Model 1U140S2SN5FA



Controller

Model YR-HQS01 (Included as standard)      Model YR-E17A (Optional)      Model YR-E16B (Optional)





|                        |                                           |             | Set                | ABH07IHS5FA-SET    | ABH10SKN5FA-SET    | ABH125KP5FA-SET    | AB140SSSR1FA-SET   |
|------------------------|-------------------------------------------|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Model                  |                                           |             | Indoor             | ABH07IH5ERG        | ABH10SK5ERG        | ABH125K5ERG        | AB140SSSR1FA       |
|                        |                                           |             | Outdoor            | 1U7IS2SS5FA        | 1U100S2SN5FA       | 1U125S2SP5FA       | 1U140S2SN5FA       |
| Rated Performance data | Capacity                                  | Cooling     | kW nor (min ~ max) | 7.1 (2.0 ~ 8.0)    | 10.0 (2.5 ~ 11.0)  | 12.0 (3.5 ~ 14.0)  | 14.0 (6.0 ~ 14.6)  |
|                        |                                           | Heating     | kW nor (min ~ max) | 8.0 (2.0 ~ 9.0)    | 11.5 (2.5 ~ 12.0)  | 13.0 (4.0 ~ 15.0)  | 14.5 (7.0 ~ 17.0)  |
|                        | Rated power input                         | Cooling     | kW nom (min ~ max) | 2.07 (0.40 ~ 3.50) | 3.16 (0.50 ~ 4.70) | 3.80 (1.00 ~ 5.80) | 4.09 (1.40 ~ 6.00) |
|                        |                                           | Heating     | kW nom (min ~ max) | 2.10 (0.40 ~ 3.50) | 3.25 (0.50 ~ 4.70) | 4.00 (1.00 ~ 5.80) | 4.05 (1.50 ~ 5.80) |
|                        | EER                                       |             | w/w                | 3.43               | 3.16               | 3.16               | 3.42               |
|                        | COP                                       |             | w/w                | 3.81               | 3.54               | 3.25               | 3.58               |
|                        | Total cooling seasonal performance factor | Commercial  | Hot/Mixed/Cold     | 4.41/4.37/4.6      | 4.598/4.668/4.979  | 4.36/4.404/4.679   | 4.639/4.672/4.955  |
|                        |                                           | Residential | Hot/Mixed/Cold     | 4.14/3.762/3.797   | 4.284/3.953/4.083  | 4.088/3.806/3.915  | 4.358/4.056/4.161  |
|                        | Heating seasonal performance factor       | Commercial  | Hot/Mixed/Cold     | 4.326/4.078/3.679  | 4.447/4.16/3.784   | 3.325/3.182/2.849  | 3.969/3.787/3.497  |
|                        |                                           | Residential | Hot/Mixed/Cold     | 4.33/3.927/3.448   | 4.436/3.956/3.528  | 3.337/3.105/2.8    | 3.975/3.681/3.337  |

Indoor Unit

| Performance  | Air flow (H/M/L)             |  | l/s      | 445/415/375/335 | 490/405/335/295 | 530/435/375/295 | 545/460/385     |
|--------------|------------------------------|--|----------|-----------------|-----------------|-----------------|-----------------|
|              | Sound power level            |  | dB(A)    | 62              | 62              | 64              | 66              |
|              | Sound pressure level (H/M/L) |  | dB(A)    | 35/33/29/26     | 45/42/38/34     | 47/44/38/34     | 50/48/44        |
| Installation | External dimensions (WXDXH)  |  | mm       | 840x840x246     | 840x840x288     | 840x840x288     | 840x840x288     |
|              | Shipping dimensions (WXDXH)  |  | mm       | 990x990x310     | 990x990x380     | 990x990x380     | 978x978x353     |
|              | Net/shipping weight          |  | kg       | 31/36           | 32/38           | 32/38           | 28/34           |
|              | Drain                        |  | mm       | 25              | 25              | 25              | 25              |
|              | Wireless controller          |  | Supplied | YR-HQS01        | YR-HQS01        | YR-HQS01        | YR-HQS01        |
|              | Wired controller             |  | Optional | YR-E17A/YR-E16B | YR-E17A/YR-E16B | YR-E17A/YR-E16B | YR-E17A/YR-E16B |
| Panel        | Panel model                  |  |          | PB-950KB        | PB-950KB        | PB-950KB        | PB-950QB        |
|              | External dimensions (WxDxH)  |  | mm       | 950x950x50      | 950x950x50      | 950x950x50      | 950x950x50      |
|              | Shipping dimensions (WxDxH)  |  | mm       | 1000x1000x110   | 1000x1000x110   | 1000x1000x110   | 1000x1000x110   |
|              | Net/shipping weight          |  | kg       | 6.5/9           | 6.5/9           | 6.5/9           | 5.5/8.5         |

Outdoor Unit

| Electrical parameters | Power supply                                 |         | Ph/V/Hz | 1/220 ~ 240/50        | 1/220 ~ 240/50 | 1/220 ~ 240/50 | 1/220 ~ 240/50 |
|-----------------------|----------------------------------------------|---------|---------|-----------------------|----------------|----------------|----------------|
|                       | Rated current                                | Cooling | Amps    | 9                     | 13.6           | 17             | 17.8           |
|                       |                                              | Heating | Amps    | 9.2                   | 13.6           | 17.2           | 17.6           |
|                       | Maximum current                              |         | Amps    | 16                    | 20             | 26             | 28             |
| Performance           | Air flow (H)                                 |         | m3/h    | 3200                  | 4000           | 6500           | 7000           |
|                       | Sound power level                            |         | dB (A)  | 64                    | 68             | 69             | 70             |
|                       | Sound pressure level                         |         | dB (A)  | 47                    | 52             | 52             | 54             |
| Installation          | External dimensions (WxDxH)                  |         | mm      | 920x372x760           | 950x370x965    | 950x370x1350   | 950x370x1350   |
|                       | Shipping dimensions (WxDxH)                  |         | mm      | 1036x478x820          | 1050x450x1095  | 1090x480x1500  | 1090x480x1500  |
|                       | Net/shipping weight                          |         | kg      | 60/65                 | 83/94          | 100/118        | 105/118        |
|                       | Compressor type                              |         |         | twin rotary           | twin rotary    | twin rotary    | twin rotary    |
|                       | Refrigerant type                             |         |         | R32                   | R32            | R32            | R32            |
|                       | Refrigerant liquid pipe                      |         | mm      | 9.52 (3⁄8)            | 9.52 (3⁄8)     | 9.52 (3⁄8)     | 9.52 (3⁄8)     |
|                       | Refrigerant gas pipe                         |         | mm      | 15.88 (5⁄8)           | 15.88 (5⁄8)    | 15.88 (5⁄8)    | 19.05 (3⁄4)    |
|                       | Max pipe length                              |         | m       | 50                    | 50             | 75             | 70             |
|                       | Max drop between I.U.&O.U                    |         | m       | 30                    | 30             | 30             | 30             |
|                       | Refrigerant pre charge                       |         | kg      | 1.7                   | 2.3            | 2.9            | 2.9            |
|                       | Chargeless length                            |         | m       | 20                    | 20             | 30             | 30             |
|                       | Refrigerant charge quantity for extra length |         | g/m     | 45                    | 45             | 45             | 45             |
| Working temp.         | Cooling (min to max)                         |         | °C      | -15 to 50             | -15 to 50      | -15 to 50      | -15 to 50      |
|                       | Heating (min to max)                         |         | °C      | -20 to 24             | -20 to 24      | -20 to 24      | -20 to 24      |
| DRED                  | Peak smart (DRED) ready                      |         |         | accessory HPRT-DRA001 | Yes            | Yes            | Yes            |