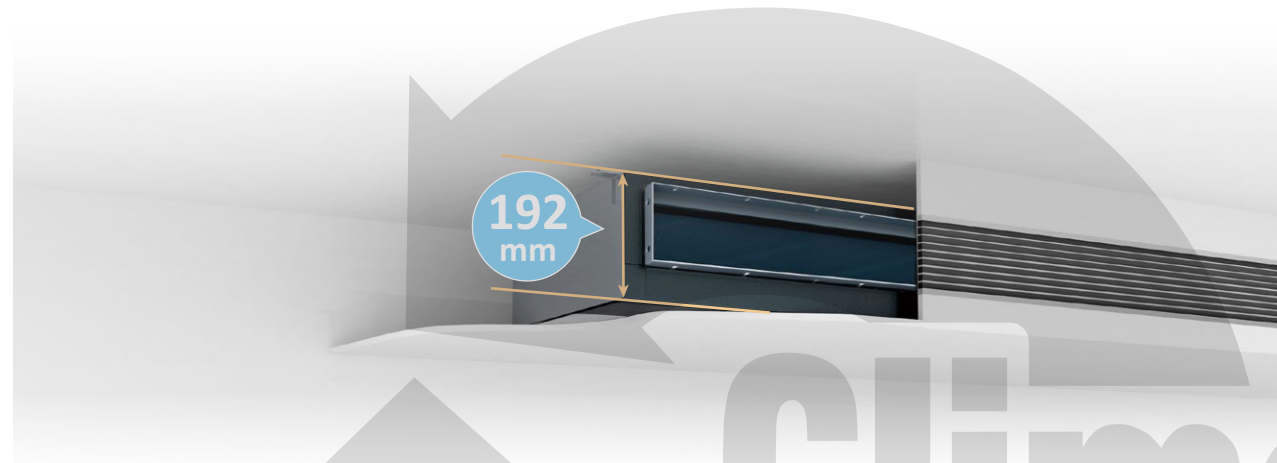


## CEILING DUCTED TYPE (AC/DC LOW HEIGHT, HIGH/LOW STATIC PRESSURE)

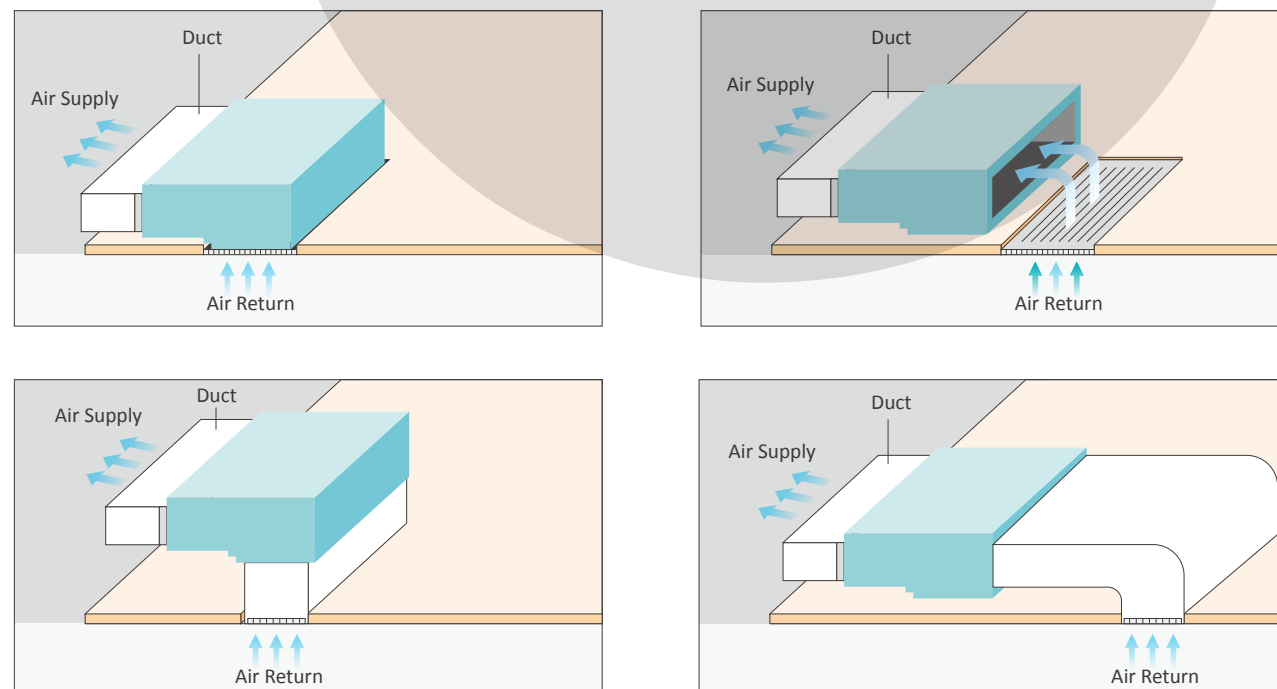
### Space Saving

Concealed AC/DC Low Height Ducted unit is as slim as 192mm, fitting into the narrowest ceiling spaces. Save ceiling spaces for higher room height without compromising user's comfort and satisfaction.



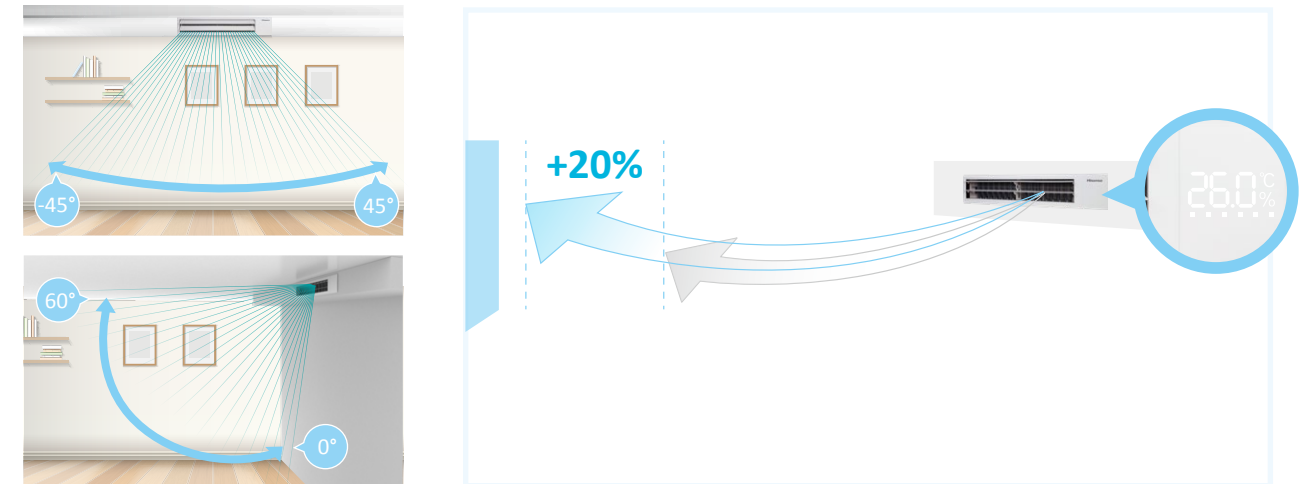
### Flexible Air Supply and Return

Available air return as rear or bottom entry, consumers can choose relevant air return mode according to the practical installation space.



### 3D Air Flow

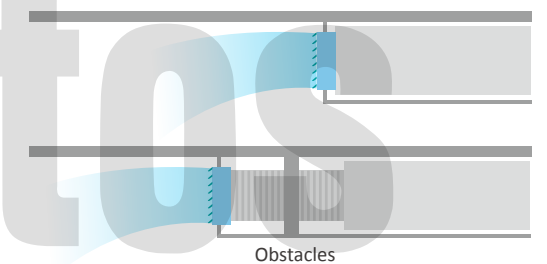
Classy air discharge louver panel with LED temperature and humidity display is available as an optional accessory for the AC/DC Low Height Ducted Units. The 3D louvers on the panel offer wide air flow coverage to keep every corners of your room cool or warm in any seasons of the year.



### Adjustable Static Pressure\*

Static pressures in free supply applications would create unnecessary air-blowing noises. Hence, the fan's static pressure is made adjustable to suit different applications more precisely with smaller adjustment steps.

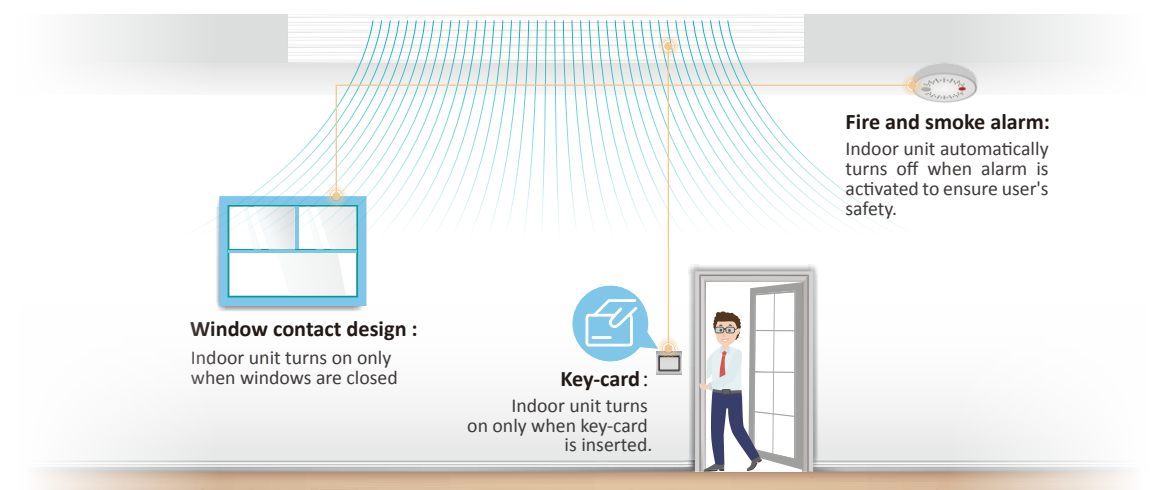
\*: AC/DC Low Height, Low Static and High Static Pressure Ducted Unit have different number of static pressure choices, please refer to the specifications for more detail information.



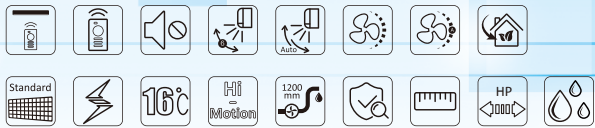
With ESP, air can still be discharged out even though there are obstacles in the ceiling.

### Various Device Connection Options

Third party devices and sensors to control the power supply are possible with dry contact connections to the indoor unit. Devices like hotel room key card, window contact and fire alarms can be connected simultaneously.



Ceiling Ducted Type (AC Low Height)

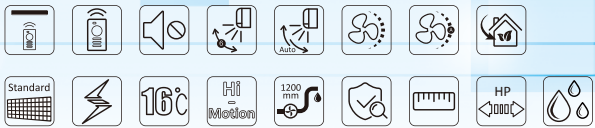


| Model                    |                  |        | AVE-05<br>HCFL                        | AVE-07<br>HCFL | AVE-09<br>HCFL | AVE-12<br>HCFL | AVE-15<br>HCFL | AVE-17<br>HCFL | AVE-19<br>HCFL | AVE-22<br>HCFL | AVE-24<br>HCFL |
|--------------------------|------------------|--------|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Power Supply             |                  |        | AC 1Φ,220V~240V/50Hz                  |                |                |                |                |                |                |                |                |
| Capacity                 | Cooling          | kW     | 1.7                                   | 2.2            | 2.8            | 3.6            | 4.5            | 5.0            | 5.6            | 6.3            | 7.1            |
|                          |                  | Btu/h  | 5,800                                 | 7,500          | 9,600          | 12,300         | 15,300         | 17,100         | 19,100         | 21,500         | 24,200         |
|                          | Heating          | kW     | 1.9                                   | 2.5            | 3.2            | 4.0            | 5.0            | 5.6            | 6.3            | 7.1            | 8.0            |
|                          |                  | Btu/h  | 6,500                                 | 8,500          | 11,300         | 13,600         | 17,100         | 19,100         | 21,500         | 24,200         | 27,300         |
| Power Input              | Cooling          | W      | 50                                    | 50             | 70             | 70             | 80             | 80             | 100            | 120            | 120            |
|                          | Heating          | W      | 50                                    | 50             | 70             | 70             | 80             | 80             | 100            | 120            | 120            |
| Sound Pressure           |                  | dB(A)  | 29/24/22                              | 29/24/22       | 35/25/23       | 35/25/23       | 36/25/23       | 36/25/23       | 35/25/23       | 39/26/25       | 39/26/25       |
| Airflow Rate             |                  | m³/min | 7/5.5/4.7                             | 7/5.5/4.7      | 9/5.7/4.8      | 9/5.7/4.8      | 12/6.3/5.5     | 12/6.3/5.5     | 13.5/8/7.7     | 18/9.3/8.7     | 18/9.3/8.7     |
| External Static Pressure |                  | Pa     | 10(30)                                | 10(30)         | 10(30)         | 10(30)         | 10(30)         | 10(30)         | 10(30)         | 10(30)         | 10(30)         |
| Piping                   | Connection Type  | -      | Flare-nut Connection(with Flare Nuts) |                |                |                |                |                |                |                |                |
|                          | Liquid           | mm     | Φ 6.35                                | Φ 6.35         | Φ 6.35         | Φ 6.35         | Φ 6.35         | Φ 6.35         | Φ 6.35         | Φ 9.53         | Φ 9.53         |
|                          |                  | inch   | 1/4                                   | 1/4            | 1/4            | 1/4            | 1/4            | 1/4            | 1/4            | 3/8            | 3/8            |
|                          | Gas              | mm     | Φ 12.7                                | Φ 12.7         | Φ 12.7         | Φ 12.7         | Φ 12.7         | Φ 12.7         | Φ 15.88        | Φ 15.88        | Φ 15.88        |
|                          |                  | inch   | 1/2                                   | 1/2            | 1/2            | 1/2            | 1/2            | 1/2            | 5/8            | 5/8            | 5/8            |
|                          | Condensate Drain | mm     | O.D.32                                |                |                |                |                |                |                |                |                |
| Weight                   | Net Weight       | kg     | 16                                    | 16             | 17             | 17             | 21             | 21             | 25             | 26             | 26             |
|                          | Gross Weight     | kg     | 19                                    | 19             | 20             | 20             | 24             | 24             | 29             | 29             | 29             |
| Dimensions               | External         | H mm   | 192                                   | 192            | 192            | 192            | 192            | 192            | 192            | 192            | 192            |
|                          |                  | W mm   | 700                                   | 700            | 700            | 700            | 910            | 910            | 1180           | 1180           | 1180           |
|                          |                  | D mm   | 447                                   | 447            | 447            | 447            | 447            | 447            | 447            | 447            | 447            |
|                          | Packaging        | H mm   | 270                                   | 270            | 270            | 270            | 270            | 270            | 270            | 270            | 270            |
|                          |                  | W mm   | 925                                   | 925            | 925            | 925            | 1136           | 1136           | 1406           | 1406           | 1406           |
|                          |                  | D mm   | 574                                   | 574            | 574            | 574            | 574            | 574            | 574            | 574            | 574            |

NOTES:

1. The nominal cooling capacity and heating capacity are based on the following conditions:  
Cooling Operation Conditions  
Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°C WB(66.2°F WB)  
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)  
Piping Length: 7.5 Meters Piping Lift: 0 Meter  
Heating Operation Conditions  
Indoor Air Inlet Temperature: 20°C DB(68°F DB).  
Outdoor Air Inlet Temperature: 7°C DB(45°F DB), 6°C WB(43°F WB)
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.  
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

Ceiling Ducted Type (DC Low Height)

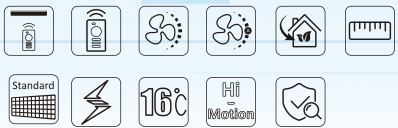


| Model                    |                  |        | AVE-05<br>HJFDL                       | AVE-07<br>HJFDL             | AVE-09<br>HJFDL             | AVE-12<br>HJFDL             | AVE-15<br>HJFDL             | AVE-17<br>HJFDL             | AVE-19<br>HJFDL                 | AVE-22<br>HJFDL                | AVE-24<br>HJFDL                |
|--------------------------|------------------|--------|---------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------------|--------------------------------|--------------------------------|
| Power Supply             |                  |        | AC 1Φ,220V~240V/50Hz/60Hz             |                             |                             |                             |                             |                             |                                 |                                |                                |
| Capacity                 | Cooling          | kW     | 1.7                                   | 2.2                         | 2.8                         | 3.6                         | 4.5                         | 5.0                         | 5.6                             | 6.3                            | 7.1                            |
|                          |                  | Btu/h  | 5,800                                 | 7,500                       | 9,600                       | 12,300                      | 15,300                      | 17,100                      | 19,100                          | 21,500                         | 24,200                         |
|                          | Heating          | kW     | 1.9                                   | 2.5                         | 3.2                         | 4.0                         | 5.0                         | 5.6                         | 6.3                             | 7.1                            | 8.0                            |
|                          |                  | Btu/h  | 6,500                                 | 8,500                       | 11,300                      | 13,600                      | 17,100                      | 19,100                      | 21,500                          | 24,200                         | 27,300                         |
| Power Input              | Cooling          | W      | 30                                    | 30                          | 50                          | 50                          | 60                          | 60                          | 60                              | 90                             | 90                             |
|                          | Heating          | W      | 30                                    | 30                          | 50                          | 50                          | 60                          | 60                          | 60                              | 90                             | 90                             |
| Sound Pressure           |                  | dB(A)  | 28/27/26/<br>24/23/21                 | 28/27/26/<br>24/23/21       | 35/32/32/<br>30/26/23       | 35/32/32/<br>30/26/23       | 35/32/32/<br>30/26/23       | 35/32/32/<br>30/26/23       | 35/32/30/<br>28/25/23           | 38/36/35/<br>33/31/24          | 38/36/35/<br>33/31/24          |
| Airflow Rate             |                  | m³/min | 7.0/6.5/6.1/<br>5.7/5.3/4.8           | 7.0/6.5/6.1/<br>5.7/5.3/4.8 | 9.0/8.1/7.3/<br>6.7/5.9/5.2 | 9.0/8.1/7.3/<br>6.7/5.9/5.2 | 12/10.8/9.4/<br>8.1/6.8/5.5 | 12/10.8/9.4/<br>8.1/6.8/5.5 | 13.5/12.5/11.2/<br>10.0/8.8/7.7 | 18/16.1/14.3/<br>12.3/10.5/8.7 | 18/16.1/14.3/<br>12.3/10.5/8.7 |
| External Static Pressure |                  | Pa     | 10(0-10-30)                           | 10(0-10-30)                 | 10(0-10-30)                 | 10(0-10-30)                 | 10(0-10-30)                 | 10(0-10-30)                 | 10(0-10-30)                     | 10(0-10-30)                    | 10(0-10-30)                    |
| Piping                   | Connection Type  | -      | Flare-nut Connection(with Flare Nuts) |                             |                             |                             |                             |                             |                                 |                                |                                |
|                          | Liquid           | mm     | Φ 6.35                                | Φ 6.35                      | Φ 6.35                      | Φ 6.35                      | Φ 6.35                      | Φ 6.35                      | Φ 6.35                          | Φ 9.53                         | Φ 9.53                         |
|                          |                  | inch   | 1/4                                   | 1/4                         | 1/4                         | 1/4                         | 1/4                         | 1/4                         | 1/4                             | 3/8                            | 3/8                            |
|                          | Gas              | mm     | Φ 12.7                                | Φ 12.7                      | Φ 12.7                      | Φ 12.7                      | Φ 12.7                      | Φ 12.7                      | Φ 15.88                         | Φ 15.88                        | Φ 15.88                        |
|                          |                  | inch   | 1/2                                   | 1/2                         | 1/2                         | 1/2                         | 1/2                         | 1/2                         | 5/8                             | 5/8                            | 5/8                            |
|                          | Condensate Drain | mm     | O.D.32                                |                             |                             |                             |                             |                             |                                 |                                |                                |
| Weight                   | Net Weight       | kg     | 16                                    | 16                          | 17                          | 17                          | 20                          | 20                          | 24                              | 24                             | 24                             |
|                          | Gross Weight     | kg     | 19                                    | 19                          | 20                          | 20                          | 24                          | 24                          | 29                              | 29                             | 29                             |
| Dimensions               | External         | H mm   | 192                                   | 192                         | 192                         | 192                         | 192                         | 192                         | 192                             | 192                            | 192                            |
|                          |                  | W mm   | 700                                   | 700                         | 700                         | 700                         | 910                         | 910                         | 1180                            | 1180                           | 1180                           |
|                          |                  | D mm   | 447                                   | 447                         | 447                         | 447                         | 447                         | 447                         | 447                             | 447                            | 447                            |
|                          | Packaging        | H mm   | 270                                   | 270                         | 270                         | 270                         | 270                         | 270                         | 270                             | 270                            | 270                            |
|                          |                  | W mm   | 925                                   | 925                         | 925                         | 925                         | 1136                        | 1136                        | 1406                            | 1406                           | 1406                           |
|                          |                  | D mm   | 574                                   | 574                         | 574                         | 574                         | 574                         | 574                         | 574                             | 574                            | 574                            |

NOTES:

1. The nominal cooling capacity and heating capacity are based on the following conditions:  
Cooling Operation Conditions  
Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°C WB(66.2°F WB)  
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)  
Piping Length: 7.5 Meters Piping Lift: 0 Meter  
Heating Operation Conditions  
Indoor Air Inlet Temperature: 20°C DB(68°F DB).  
Outdoor Air Inlet Temperature: 7°C DB(45°F DB), 6°C WB(43°F WB)
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.  
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

Ceiling Ducted Type (High Static Pressure)



| Model                    |                            |        | AVD-07<br>HCFC       | AVD-09<br>HCFC                        | AVD-12<br>HCFC  | AVD-15<br>HCFC  | AVD-19<br>HCFC  | AVD-22<br>HCFC  | AVD-24<br>HCFC  | AVD-27<br>HCFC  | AVD-30<br>HCFC  | AVD-38<br>HCFC  | AVD-48<br>HCFC  | AVD-54<br>HCFC  | AVD-76U<br>X6SEH*1 | AVD-96U<br>X6SFH*1 |
|--------------------------|----------------------------|--------|----------------------|---------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|--------------------|
| Power Supply             |                            |        | AC 1Φ,220V~240V/50Hz |                                       |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                    |                    |
| Model                    |                            |        | AVD-07<br>H3FCH      | AVD-09<br>H3FCH                       | AVD-12<br>H3FCH | AVD-15<br>H3FCH | AVD-19<br>H3FCH | AVD-22<br>H3FCH | AVD-24<br>H3FCH | AVD-27<br>H3FCH | AVD-30<br>H3FCH | AVD-38<br>H3FCH | AVD-48<br>H3FCH | AVD-54<br>H3FCH | —                  | —                  |
| Power Supply             |                            |        | AC 1Φ,208~230V/60Hz  |                                       |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                    |                    |
| Capacity                 | Cooling                    | kW     | 2.2                  | 2.8                                   | 3.6             | 4.5             | 5.6             | 6.3             | 7.1             | 8.0             | 9.0             | 11.2            | 14.0            | 16.0            | 22.4               | 28.0               |
|                          |                            | Btu/h  | 7500                 | 9600                                  | 12300           | 15400           | 19100           | 21600           | 24200           | 27400           | 30800           | 38000           | 48000           | 54500           | 76500              | 95600              |
|                          | Heating                    | kW     | 2.5                  | 3.2                                   | 4.0             | 5.0             | 6.3             | 7.1             | 8.0             | 9.0             | 10.0            | 12.5            | 16.0            | 18.0            | 25                 | 31.5               |
|                          |                            | Btu/h  | 8500                 | 10900                                 | 13700           | 17100           | 21600           | 24200           | 27400           | 30800           | 34200           | 42500           | 54500           | 61500           | 21500              | 27100              |
| Power Input              | Cooling                    | kW     | 0.10(0.13*)          | 0.10(0.13*)                           | 0.13(0.16*)     | 0.13(0.16*)     | 0.14(0.21*)     | 0.19(0.24*)     | 0.19(0.24*)     | 0.25(0.34*)     | 0.25(0.34*)     | 0.25(0.34*)     | 0.34(0.45*)     | 0.43(0.59*)     | 1.03               | 1.28               |
|                          | Heating                    | kW     | 0.10(0.13*)          | 0.10(0.13*)                           | 0.13(0.16*)     | 0.13(0.16*)     | 0.14(0.21*)     | 0.19(0.24*)     | 0.19(0.24*)     | 0.25(0.34*)     | 0.25(0.34*)     | 0.25(0.34*)     | 0.34(0.45*)     | 0.43(0.59*)     | 1.03               | 1.28               |
| Sound Pressure           | 220-240V/50Hz              | dB(A)  | 32/27/25             | 32/27/25                              | 35/32/26        | 35/32/26        | 36/35/30        | 39/32/25        | 39/32/25        | 42/39/34        | 42/39/34        | 42/39/34        | 43/40/35        | 46/40/35        | 52                 | 54                 |
|                          | 208V/60Hz                  | dB(A)  | 33/28/24             | 33/28/24                              | 37/34/29        | 37/34/29        | 37/35/29        | 39/32/25        | 39/32/25        | 42/38/33        | 42/38/33        | 42/38/33        | 44/39/34        | 45/40/34        | 52                 | 54                 |
|                          | 230V/60Hz                  | dB(A)  | 37/33/28             | 37/33/28                              | 40/38/33        | 40/38/33        | 42/40/34        | 43/37/30        | 43/37/30        | 44/42/37        | 44/42/37        | 44/42/37        | 47/43/38        | 46/42/38        | 52                 | 54                 |
| Air Flow(Hi/Me/Lo)       |                            | m³/min | 9/7/6                | 9/7/6                                 | 12/10/8.5       | 12/10/8.5       | 15/13/10        | 19/14/10        | 19/14/10        | 28/24/19.5      | 28/24/19.5      | 28/24/19.5      | 35.5/29/24      | 39/31/24        | 58                 | 77.5               |
| External Static Pressure | 220-240V/50Hz<br>208V/60Hz | Pa     | 50(80)               | 50(80)                                | 50(80)          | 50(80)          | 50(80)          | 50(80)          | 50(80)          | 120(90)         | 120(90)         | 120(90)         | 120(90)         | 120(90)         | 220                | 220                |
|                          | 230V/60Hz                  | Pa     | 80(105)              | 80(105)                               | 90(115)         | 90(115)         | 90(115)         | 90(115)         | 90(115)         | 170(150)        | 170(150)        | 170(150)        | 170(150)        | 170(150)        | -                  | -                  |
| Piping                   | Connection Type            |        | -                    | Flare-nut Connection(with Flare Nuts) |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                    | Brazing            |
|                          | Liquid                     | mm     | Φ6.35                | Φ6.35                                 | Φ6.35           | Φ6.35           | Φ 6.35          | Φ9.53           | Φ 9.53          | Φ9.53           | Φ9.53           | Φ9.53           | Φ9.53           | Φ9.53           | Φ9.53              | Φ9.53              |
|                          |                            | inch   | 1/4                  | 1/4                                   | 1/4             | 1/4             | 1/4             | 3/8             | 3/8             | 3/8             | 3/8             | 3/8             | 3/8             | 3/8             | 3/8                | 3/8                |
|                          | Gas                        | mm     | Φ12.7                | Φ12.7                                 | Φ12.7           | Φ12.7           | Φ 15.88         | Φ15.88          | Φ 15.88         | Φ15.88          | Φ15.88          | Φ19.05          | Φ19.05          | Φ19.05          | Φ22.2              |                    |
|                          |                            | inch   | 1/2                  | 1/2                                   | 1/2             | 1/2             | 5/8             | 5/8             | 5/8             | 5/8             | 5/8             | 3/4             | 3/4             | 3/4             | 7/8                |                    |
|                          | Condensate Drain           |        | mm                   | O.D.32                                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                    |                    |
| Weight                   | Net Weight                 | kg     | 25(24*)              | 25(24*)                               | 25(24*)         | 25(24*)         | 30(31*)         | 30(31*)         | 30(31*)         | 45(44*)         | 45(44*)         | 45(44*)         | 53(50*)         | 53(50*)         | 94                 | 106                |
|                          | Gross Weight               | kg     | 31(30*)              | 31(30*)                               | 31(30*)         | 31(30*)         | 36(38*)         | 37(38*)         | 37(38*)         | 52(52*)         | 52(52*)         | 52(52*)         | 61(59*)         | 61(59*)         | 106                | 111                |
| Dimensions               | External                   | H mm   | 270                  | 270                                   | 270             | 270             | 270             | 270             | 270             | 300             | 300             | 300             | 300             | 300             | 470                | 470                |
|                          |                            | W mm   | 650+75               | 650+75                                | 650+75          | 650+75          | 900+75          | 900+75          | 900+75          | 1100+75         | 1100+75         | 1100+75         | 1400+75         | 1400+75         | 1060               | 1250               |
|                          |                            | D mm   | 720                  | 720                                   | 720             | 720             | 720             | 720             | 720             | 800             | 800             | 800             | 800             | 800             | 1120               | 1120               |
|                          | Packaging                  | H mm   | 385                  | 385                                   | 385             | 385             | 385             | 385             | 385             | 415             | 415             | 415             | 415             | 415             | 1345               | 1345               |
|                          |                            | W mm   | 895                  | 895                                   | 895             | 895             | 1140            | 1140            | 1140            | 1345            | 1345            | 1345            | 1640            | 1640            | 1276               | 1466               |
|                          |                            | D mm   | 870                  | 870                                   | 870             | 870             | 870             | 870             | 870             | 950             | 950             | 950             | 950             | 950             | 546                | 546                |

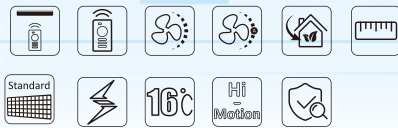
NOTES:

1.The nominal cooling capacity and heating capacity are based on the following conditions:  
Cooling Operation Conditions  
Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°C WB(66.2°F WB)  
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)  
Piping Length: 7.5 Meters Piping Lift: 0 Meter  
Heating Operation Conditions  
Indoor Air Inlet Temperature: 20°C DB(68°F DB).  
Outdoor Air Inlet Temperature: 7°C DB(45°F DB), 6°C WB(43°F WB)

2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.  
With discharge duct (2.0m) and return duct(1.0m)  
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.  
\*1: AC 3Φ, 380V/50Hz,\*2: The value noted \*2 is the parameter of the indoor units with power supply 208~230V/60Hz.

Ceiling Ducted Type (Low Static Pressure)



| Model                    |                  |        | AVD-07<br>HCFL       | AVD-09<br>HCFL                        | AVD-12<br>HCFL | AVD-15<br>HCFL | AVD-19<br>HCFL | AVD-22<br>HCFL | AVD-24<br>HCFL | AVD-27<br>HCFL | AVD-30<br>HCFL | AVD-38<br>HCFL | AVD-48<br>HCFL | AVD-54<br>HCFL | AVD-76U<br>X6SEL*1 | AVD-96U<br>X6SFL*1 |
|--------------------------|------------------|--------|----------------------|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|--------------------|
| Power Supply             |                  |        | AC 1Φ,220V~240V/50Hz |                                       |                |                |                |                |                |                |                |                |                |                |                    |                    |
| Capacity                 | Cooling          | kW     | 2.2                  | 2.8                                   | 3.6            | 4.5            | 5.6            | 6.3            | 7.1            | 8.0            | 9.0            | 11.2           | 14.0           | 16.0           | 22.4               | 28.0               |
|                          |                  | Btu/h  | 7,500                | 9,600                                 | 12,300         | 15,400         | 19,100         | 21,600         | 24,200         | 27,400         | 30,800         | 38,000         | 48,000         | 54,500         | 76,500             | 95,600             |
|                          | Heating          | kW     | 2.5                  | 3.2                                   | 4.0            | 5.0            | 6.3            | 6.5            | 7.3            | 8.7            | 9.3            | 11.6           | 14.5           | 16.5           | 25.0               | 31.5               |
|                          |                  | Btu/h  | 8,500                | 10,900                                | 13,700         | 17,100         | 21,600         | 22,200         | 25,000         | 29,600         | 31,800         | 39,500         | 49,500         | 56,500         | 85,300             | 107,500            |
| Power Input              | Cooling          | W      | 60                   | 60                                    | 110            | 110            | 90             | 160            | 160            | 240            | 240            | 240            | 290            | 360            | 950                | 1120               |
|                          | Heating          | W      | 60                   | 60                                    | 110            | 110            | 90             | 160            | 160            | 240            | 240            | 240            | 290            | 360            | 950                | 1120               |
| Sound Pressure           |                  | dB(A)  | 27/23/21             | 27/23/21                              | 34/30/25       | 34/30/25       | 32/30/26       | 35/28/24       | 35/28/24       | 38/33/30       | 38/33/30       | 38/33/30       | 41/38/33       | 44/39/33       | 50                 | 52                 |
| Air Flow Rate (Hi/Me/Lo) |                  | m³/min | 9/7/6                | 9/7/6                                 | 12/10/8.5      | 12/10/8.5      | 15/13/10       | 19/14/10       | 19/14/10       | 28/24/19.5     | 28/24/19.5     | 28/24/19.5     | 35.5/29/24     | 39/31/24       | 58                 | 72                 |
| External Static Pressure |                  | Pa     | 30                   | 30                                    | 30             | 30             | 30             | 30             | 30             | 60             | 60             | 60             | 60             | 60             | 100                | 100                |
| Piping                   | Connection Type  |        | -                    | Flare-nut Connection(with Flare Nuts) |                |                |                |                |                |                |                |                |                |                |                    | Brazing            |
|                          | Liquid           | mm     | Φ6.35                | Φ6.35                                 | Φ6.35          | Φ6.35          | Φ6.35          | Φ9.53          | Φ9.53          | Φ9.53          | Φ9.53          | Φ9.53          | Φ9.53          | Φ9.53          | Φ9.53              | Φ9.53              |
|                          |                  | inch   | 1/4                  | 1/4                                   | 1/4            | 1/4            | 1/4            | 3/8            | 3/8            | 3/8            | 3/8            | 3/8            | 3/8            | 3/8            | 3/8                | 3/8                |
|                          | Gas              | mm     | Φ12.7                | Φ12.7                                 | Φ12.7          | Φ12.7          | Φ15.88         | Φ15.88         | Φ15.88         | Φ15.88         | Φ15.88         | Φ19.05         | Φ19.05         | Φ19.05         | Φ22.2              |                    |
|                          |                  | inch   | 1/2                  | 1/2                                   | 1/2            | 1/2            | 5/8            | 5/8            | 5/8            | 5/8            | 5/8            | 3/4            | 3/4            | 3/4            | 7/8                |                    |
|                          | Condensate Drain |        | mm                   | O.D.32                                |                |                |                |                |                |                |                |                |                |                |                    |                    |
| Weight                   | Net Weight       | kg     | 25                   | 25                                    | 25             | 25             | 30             | 30             | 30             | 45             | 45             | 45             | 52             | 52             | 94                 | 106                |
|                          | Gross Weight     | kg     | 31                   | 31                                    | 31             | 31             | 36             | 37             | 37             | 52             | 52             | 52             | 61             | 61             | 106                | 111                |
| Dimensions               | External         | H mm   | 270                  | 270                                   | 270            | 270            | 270            | 270            | 270            | 300            | 300            | 300            | 300            | 300            | 470                | 470                |
|                          |                  | W mm   | 650+75               | 650+75                                | 650+75         | 650+75         | 900+75         | 900+75         | 900+75         | 1100+75        | 1100+75        | 1100+75        | 1400+75        | 1400+75        | 1060               | 1250               |
|                          |                  | D mm   | 720                  | 720                                   | 720            | 720            | 720            | 720            | 720            | 800            | 800            | 800            | 800            | 800            | 1120               | 1120               |
|                          | Packaging        | H mm   | 385                  | 385                                   | 385            | 385            | 385            | 385            | 385            | 415            | 415            | 415            | 415            | 415            | 1345               | 1345               |
|                          |                  | W mm   | 895                  | 895                                   | 895            | 895            | 1140           | 1140           | 1140           | 1345           | 1345           | 1345           | 1640           | 1640           | 1276               | 1466               |
|                          |                  | D mm   | 870                  | 870                                   | 870            | 870            | 870            | 870            | 870            | 950            | 950            | 950            | 950            | 950            | 546                | 546                |

NOTES:

1.The nominal cooling capacity and heating capacity are based on the following conditions:  
Cooling Operation Conditions  
Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°C WB(66.2°F WB)  
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)  
Piping Length: 7.5 Meters Piping Lift: 0 Meter  
Heating Operation Conditions  
Indoor Air Inlet Temperature: 20°C DB(68°F DB).  
Outdoor Air Inlet Temperature: 7°C DB(45°F DB), 6°C WB(43°F WB)

2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.  
With discharge duct (2.0m) and return duct(1.0m)  
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.  
\*1: AC 3Φ, 380V/50Hz