

Hi-Smart E+ Series



| Capacity (HP) | | 4.0 | 5.0 | 6.0 | |
|--------------------------|---------------------------------------|-------------------------|---------------------|--------------|--------|
| Model | | AVW-41HJFHH1 | AVW-48HJFHH1 | AVW-54HJFHH1 | |
| Power Supply | | AC 1ϕ, 220-240V/50/60Hz | | | |
| Cooling | Capacity | kW | 12.1 | 14.0 | 15.5 |
| | | Btu/h | 41500 | 48000 | 53000 |
| | Power Input | kW | 3.73 | 4.33 | 5.64 |
| | EER | W/W | 3.24 | 3.23 | 2.75 |
| | SEER | — | 7.72 | 7.66 | 7.17 |
| Heating | Capacity | kW | 14.0 | 16.0 | 18.0 |
| | | Btu/h | 48000 | 54500 | 61500 |
| | Power Input | kW | 2.99 | 3.73 | 4.63 |
| | COP | W/W | 4.05 | 3.75 | 3.35 |
| | SCOP | — | 4.41 | 4.36 | 4.26 |
| Ventilation | Air Flow Rate | m ³ /min | 71 | 71 | 71 |
| Sound Pressure Level | Cooling/Heating | dB(A) | 53/54 | 54/55 | 54/55 |
| | Net | kg | 88 | 89 | 90 |
| Weight | Gross | kg | 103 | 104 | 105 |
| | Height | mm | 990 | 990 | 990 |
| Outer Dimensions | Width | mm | 950 | 950 | 950 |
| | Depth | mm | 320 | 320 | 320 |
| | Height | mm | 1126 | 1126 | 1126 |
| Packing Dimensions | Width | mm | 1070 | 1070 | 1070 |
| | Depth | mm | 470 | 470 | 470 |
| | Cabinet Color | — | GrayishWhite | | |
| Ref. Piping | Gas | mm | ϕ15.88 | ϕ15.88 | ϕ15.88 |
| | | in. | 5/8 | 5/8 | 5/8 |
| | Liquid | mm | ϕ9.53 | ϕ9.53 | ϕ9.53 |
| | | in. | 3/8 | 3/8 | 3/8 |
| Refrigerant | Type | — | R410A | | |
| | Before Shipment | kg | 4.0 | 4.0 | 4.0 |
| Connectable Indoor Units | Max. Qty. | pc | 8 | 9 | 10 |
| | Connection Ratio | % | 50-150 | 50-150 | 50-150 |
| | Max. Piping Length | m | 70 | 70 | 70 |
| Piping Design | Total Piping Length | m | 135 | 135 | 135 |
| | Height Difference Between ODU and IDU | m | 40 | 40 | 40 |
| | | m | 30 | 30 | 30 |
| | Height Difference Between IDUs | m | 15 | 15 | 15 |
| Operation Range | Cooling | DB(°C) | (-10*) -5 - 48 | | |
| | Heating | DBWB(°C) | -20/-20.5 - 26/15.5 | | |

NOT ES:

- The rated cooling and heating capacity are tested in the following conditions:
Cooling Operation Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe lift: 0m
Heating Operation Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe lift: 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
Measurement point: 1m from the service cover surface and 1.5m from floor level.
- ** When the temperature is between -10°C and -5°C, the cooling operation is under interval operation.

Hi-Smart L+ Series



| Capacity (HP) | | 4.0 | 5.0 | 6.0 | 4.0 | 5.0 | 6.0 | |
|--------------------------|---------------------------------------|-------------------------|---------------------|-------------|-------------------------|---------------------|-------------|--------|
| Model | | AVW-41HJFH2 | AVW-48HJFH2 | AVW-54HJFH2 | AVW-41HKFH2 | AVW-48HKFH2 | AVW-54HKFH2 | |
| Power Supply | | AC 1ϕ, 220-240V/50/60Hz | | | AC 3ϕ, 380-415V/50/60Hz | | | |
| Cooling | Capacity | kW | 12.1 | 14.0 | 15.5 | 12.1 | 14.0 | 15.5 |
| | | Btu/h | 41500 | 48000 | 53000 | 41500 | 48000 | 53000 |
| | Power Input | kW | 2.79 | 3.43 | 4.18 | 2.79 | 3.43 | 4.18 |
| | EER | W/W | 4.33 | 4.08 | 3.71 | 4.33 | 4.08 | 3.71 |
| | SEER | — | 8.20 | 8.10 | 8.00 | 8.20 | 8.10 | 8.00 |
| Heating | Capacity | kW | 14.0 | 16.0 | 18.0 | 14.0 | 16.0 | 18.0 |
| | | Btu/h | 48000 | 54500 | 61500 | 48000 | 54500 | 61500 |
| | Power Input | kW | 3.08 | 3.71 | 4.47 | 3.08 | 3.71 | 4.47 |
| | COP | W/W | 4.55 | 4.31 | 4.03 | 4.55 | 4.31 | 4.03 |
| | SCOP | — | 4.85 | 4.70 | 4.55 | 4.85 | 4.70 | 4.55 |
| Ventilation | Air Flow Rate | m ³ /min | 90 | 90 | 100 | 120 | 120 | 127 |
| Sound Pressure Level | Cooling/Heating | dB(A) | 52/55 | 52/55 | 53/56 | 52/55 | 52/55 | 53/56 |
| | Net | kg | 106 | 107 | 108 | 112 | 113 | 114 |
| Weight | Gross | kg | 118 | 119 | 120 | 123 | 124 | 125 |
| | Height | mm | 1380 | 1380 | 1380 | 1380 | 1380 | 1380 |
| Outer Dimensions | Width | mm | 950 | 950 | 950 | 950 | 950 | |
| | Depth | mm | 370 | 370 | 370 | 370 | 370 | |
| | Height | mm | 1531 | 1531 | 1531 | 1531 | 1531 | |
| Packing Dimensions | Width | mm | 1070 | 1070 | 1070 | 1070 | 1070 | |
| | Depth | mm | 515 | 515 | 515 | 515 | 515 | |
| | Cabinet Color | — | GrayishWhite | | | GrayishWhite | | |
| Ref. Piping | Gas | mm | ϕ15.88 | ϕ15.88 | ϕ15.88 | ϕ15.88 | ϕ15.88 | ϕ15.88 |
| | | in. | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 |
| | Liquid | mm | ϕ9.53 | ϕ9.53 | ϕ9.53 | ϕ9.53 | ϕ9.53 | ϕ9.53 |
| | | in. | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Refrigerant | Type | — | R410A | | | R410A | | |
| | Before Shipment | kg | 3.8 | 3.8 | 4.1 | 3.8 | 3.8 | 4.1 |
| Connectable Indoor Units | Max. Qty. | pc | 9 | 11 | 12 | 9 | 11 | 12 |
| | Connection Ratio | % | 50-150 | 50-150 | 50-150 | 50-150 | 50-150 | 50-150 |
| | Max. Piping Length | m | 100 | 100 | 100 | 100 | 100 | 100 |
| Piping Design | Total Piping Length | m | 150 | 150 | 150 | 150 | 150 | 150 |
| | Height Difference Between ODU and IDU | m | 50 | 50 | 50 | 50 | 50 | 50 |
| | | m | 40 | 40 | 40 | 40 | 40 | 40 |
| | Height Difference Between IDUs | m | 15 | 15 | 15 | 15 | 15 | 15 |
| Operation Range | Cooling | DB(°C) | (-10*) -5 - 48 | | | (-10*) -5 - 48 | | |
| | Heating | DBWB(°C) | -20/-20.5 - 26/15.5 | | | -20/-20.5 - 26/15.5 | | |

NOT ES:

- The rated cooling and heating capacity are tested in the following conditions:
Cooling Operation Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe lift: 0m
Heating Operation Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe lift: 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
Measurement point: 1m from the service cover surface and 1.5m from floor level.
- ** When the temperature is between -10°C and -5°C, the cooling operation is under interval operation.

Hi-Smart C+ Series



| Capacity(HP) | | 8.0 | 10.0 | 12.0 |
|--------------------------|---------------------------------------|----------------------------------|--------------------------|----------------|
| Model | | AVW-76-KF#H#2 | AVW-96-KF#H#2 | AVW-114-KF#H#2 |
| Power Supply | | AC 3φ, 380-415V/50/60Hz | | |
| Cooling | Capacity | kW 22.4 | 28.0 | 33.5 |
| | | Btu/h 76400 | 95500 | 114300 |
| | Power Input | kW 6.22 | 8.12 | 13.40 |
| | EER | WW 3.60 | 3.45 | 2.50 |
| | S EER | — 7.00 | 7.80 | 7.55 |
| Heating | Capacity | kW 25.0 | 31.5 | 37.5 |
| | | Btu/h 85300 | 107500 | 128000 |
| | Power Input | kW 5.81 | 7.59 | 10.08 |
| | COP | WW 4.30 | 4.15 | 3.72 |
| | SCOP | — 4.50 | 4.50 | 4.30 |
| Ventilation | Air Flow Rate | m ³ /min 150 | 163 | 163 |
| Sound Pressure Level | Cooling/Heating | dB(A) 55/58 | 56/59 | 56/59 |
| Weight | Net | kg 145 | 157 | 158 |
| | Gross | kg 161 | 174 | 175 |
| | Height | mm 1650 | 1650 | 1650 |
| Outer Dimensions | Width | mm 1100 | 1100 | 1100 |
| | Depth | mm 390 | 390 | 390 |
| | Height | mm 1806 | 1806 | 1806 |
| Packing Dimensions | Width | mm 1185 | 1185 | 1185 |
| | Depth | mm 530 | 530 | 530 |
| Cabinet Color | | — Grayish White | | |
| Ref. Piping | Gas | mm φ22.2 | φ25.4 | φ25.4 |
| | | in. 7/8 | 1/1 | 1/1 |
| | Liquid | mm φ12.7 | φ12.7 | φ12.7 |
| | | in. 1/2 | 1/2 | 1/2 |
| Refrigerant | Type | — | R410A | |
| | Before Shipment | kg 5.5 | 6.5 | 6.5 |
| Connectable Indoor Units | Max. Qty. | pc 15 | 18 | 19 |
| | Connection Ratio | % 50-150 | 50-150 | 50-150 |
| | Max. Piping Length | m 150 | 150 | 150 |
| Piping Design | Total Piping Length | m 300 | 300 | 300 |
| | Height Difference Between ODU and IDU | m 50 | 40 | 40 |
| | Height Difference Between IDUs | m 15 | 15 | 15 |
| | Operation Range | Cooling | DB(°C) (-10*) -5 - 48 | |
| | Heating | DB/WB(°C) -20/-20.5 - 26/15.5 | | |

NOTES:

1. The rated cooling and heating capacity are tested in the following conditions:

Cooling Operation Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length : 7.5m, pipe lift: 0m

Heating Operation Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe lift: 0m

2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.

Measurement point: 1m from the service cover surface and 1.5m from floor level.

3. ** When the temperature is between -10°C and -5°C, the cooling operation is under interval operation.