



# MULTI-POSITION AIR HANDLER HEAT PUMP SYSTEM

**Up to 24.0 SEER2 Rating**



*Out-of-the-Box*

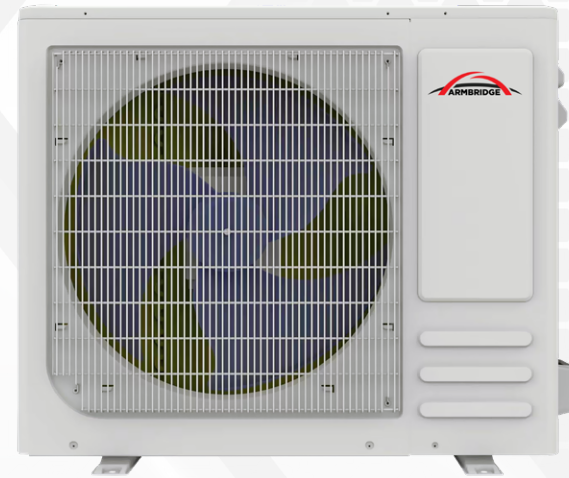
*With Product  
Registration*



# SINGLE-ZONE MULTI-POSITION AIR HANDLER

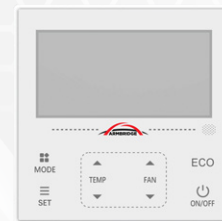
## HEAT PUMP SYSTEM

*Cross compatible with any 3rd party 24V unit*



The **Armbridge** AHU's universal compatibility features a built-in 24V interface that integrates with most third-party outdoor models ranging from 18K to 60K BTU/h, as well as 24V smart thermostats.

This 24V AHU is a perfect replacement choice, particularly for homeowners looking to modernize their system without a complete overhaul of their existing controls.



**AB-WT24VW**  
Smart Wired Thermostat

24V Wall Thermostat may be purchased separately

### Features:

- High-efficiency Inverter Technology for consistent comfort and energy savings
- Uses environmentally friendly R32 refrigerant for improved performance
- 4-position flexible installation
- AHRI and ETL listed
- GoldFin A-Coil
- Compatible with 3rd party Electric heater kits 5, 8, 10, 15, 20 kW
- Compatible with 3rd party 24V Wall Thermostat
- Cross compatible with any 3rd party 24V unit



### AHU

| Indoor Model                  |                        | AB-MP18AHU-230VI | AB-MP24AHU-230VI      | AB-MP36AHU-230VI      | AB-MP48AHU-230VI      | AB-MP60AHU-230VI      |                       |
|-------------------------------|------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Power Supply                  | V-Ph-Hz                | 208-230-1-60     | 208-230-1-60          | 208-230-1-60          | 208-230-1-60          | 208-230-1-60          |                       |
| Cooling                       | Btu/h                  | 18,000           | 24,000                | 36,000                | 48,000                | 53,000                |                       |
| Heating                       | Rated Capacity         | Btu/h            | 19,000                | 26,000                | 36,000                | 48,000                | 55,000                |
| Indoor fan motor              | Type                   | ECM              | ECM                   | ECM                   | ECM                   | ECM                   |                       |
|                               | Output                 | W                | 75                    | 75                    | 150                   | 150                   | 150                   |
| Max Fuse                      | A                      | 6.0              | 6.0                   | 6.0                   | 6.0                   | 6.0                   |                       |
| Indoor Air Flow (High/Low)    | CFM                    | 650 / 420        | 830 / 420             | 1110 / 520            | 1690 / 750            | 1740 / 750            |                       |
| Indoor Noise Level (High/Low) | dB(A)                  | 38.5 / 34        | 42 / 38               | 50 / 42.5             | 53 / 46               | 53 / 46               |                       |
| Indoor Unit                   | Dimensions (WxDxH)     | in               | 17.52 × 21.02 × 45.00 | 17.52 × 21.03 × 45.00 | 21.03 × 21.03 × 49.22 | 24.48 × 21.03 × 52.98 | 24.48 × 21.03 × 52.98 |
|                               | Packing (WxDxH)        | in               | 20.87 × 26.57 × 46.26 | 20.86 × 26.58 × 46.27 | 24.41 × 26.58 × 50.20 | 27.88 × 26.58 × 54.14 | 27.88 × 26.58 × 54.14 |
|                               | Net/Gross Weight       | lbs.             | 84 / 92               | 84 / 92               | 132 / 140             | 152 / 160             | 152 / 160             |
| Refrigerant Piping            | Liquid Side / Gas Side | in               | 3/8" / 3/4"           | 3/8" / 3/4"           | 3/8" / 3/4"           | 3/8" / 3/4"           | 3/8" / 3/4"           |
| Ambient Temperature Range     | Cooling                | °F               | 60-90                 | 60-90                 | 60-90                 | 60-90                 | 60-90                 |
|                               | Heating                | °F               | 60-90                 | 60-90                 | 60-90                 | 60-90                 | 60-90                 |

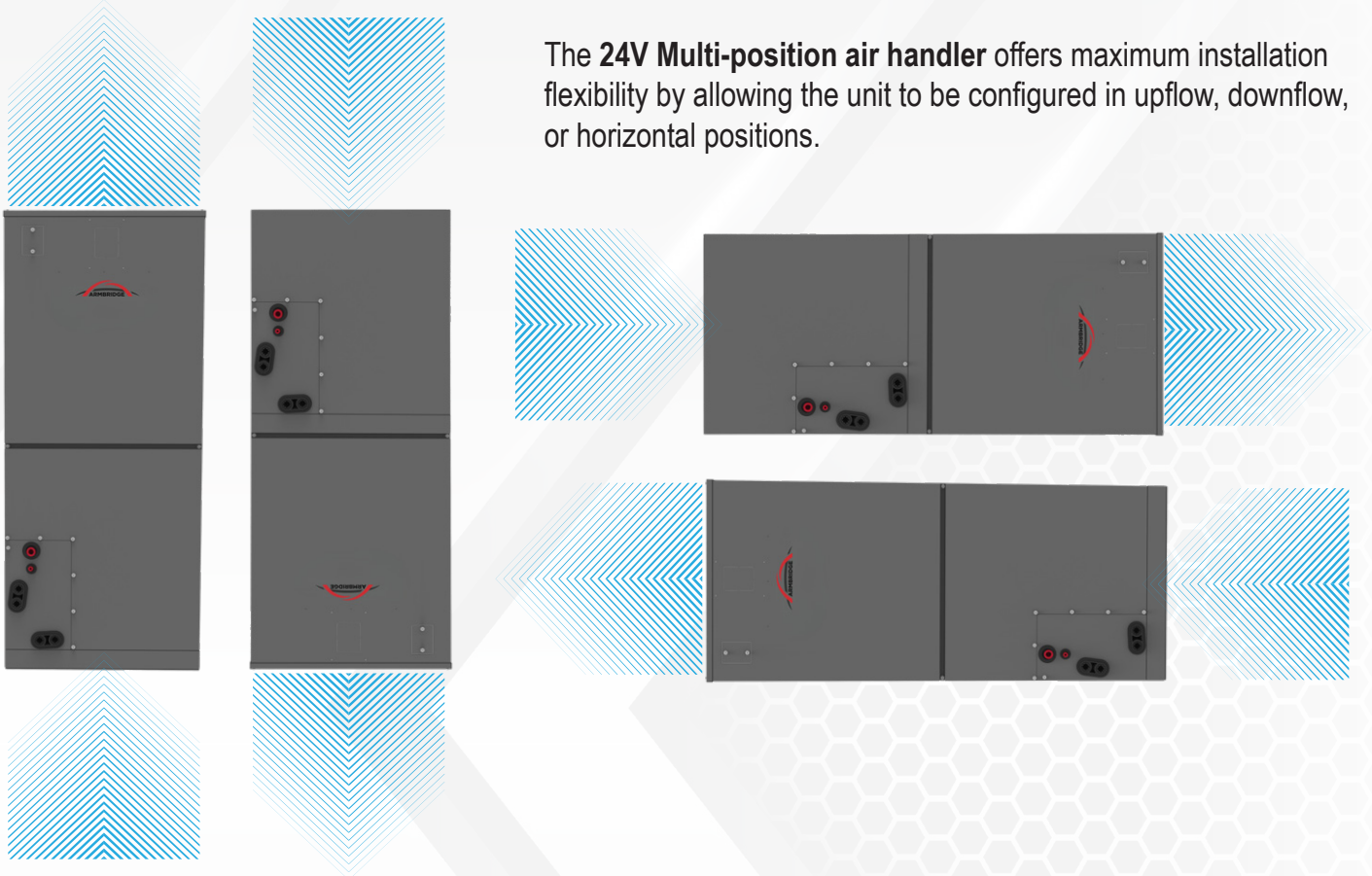
### Outdoor

| Outdoor Model              |                              | AB-SD18HI-230VO | AB-SD24HI-230VO       | AB-SD36HI-230VO       | AB-SD48HI-230VO       | AB-SD60HI-230VO       |                       |
|----------------------------|------------------------------|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Power Supply               | V-Ph-Hz                      | 208-230-1-60    | 208-230-1-60          | 208-230-1-60          | 208-230-1-60          | 208-230-1-60          |                       |
| Cooling                    | Rated Capacity               | Btu/h           | 18,000                | 24,000                | 36,000                | 48,000                | 53,000                |
|                            | EER2                         | Btu/h           | 11.5                  | 10.4                  | 10.4                  | 9                     | 8                     |
|                            | SEER2                        | Btu/h           | 18.4                  | 17.7                  | 17.0                  | 16.5                  | 15.8                  |
| Heating                    | Rated Capacity               | Btu/h           | 19,000                | 26,000                | 36,000                | 48,000                | 55,000                |
|                            | HSPF2                        | Btu/h           | 8.6                   | 8.5                   | 8.4                   | 8.5                   | 8.5                   |
|                            | COP                          | W/W             | 3.85                  | 3.4                   | 3.45                  | 3.45                  | 3.55                  |
| Compressor                 | Type                         |                 | rotary                | rotary                | rotary                | rotary                | rotary                |
|                            | Rated current(RLA)           | A               | 6.80                  | 9.45                  | 9.45                  | 5.25                  | 5.25                  |
|                            | Cpacity                      | W               | 1115                  | 2085                  | 2085                  | 2680                  | 2680                  |
|                            | Rated current                | A               | 6.80                  | 9.45                  | 9.45                  | 5.25                  | 5.25                  |
| Outdoor fan motor RLA      | A                            | 2.00            | 2.00                  | 2.50                  | 2.50                  | 2.50                  |                       |
| Outdoor Unit               | Dimensions (WxDxH)           | in              | 36.03 × 25.59 × 13.58 | 36.03 × 25.59 × 13.58 | 37.98 × 31.89 × 15.75 | 37.98 × 31.89 × 15.75 | 37.98 × 31.89 × 15.75 |
|                            | Packing (WxDxH)              | in              | 40.16 × 28.94 × 17.13 | 40.16 × 28.94 × 17.13 | 42.13 × 34.64 × 20.67 | 42.13 × 34.64 × 20.67 | 42.13 × 34.64 × 20.67 |
|                            | Net/Gross Weight             | lbs.            | 84 / 92               | 84 / 92               | 132 / 140             | 152 / 160             | 152 / 160             |
| Refrigerant System         | Type                         |                 | R32                   | R32                   | R32                   | R32                   | R32                   |
|                            | Pre-charge                   | oz              | 56.44                 | 58.2                  | 84.66                 | 105.82                | 105.82                |
|                            | Liquid Side / Gas Side       | in              | 3/8" / 3/4"           | 3/8" / 3/4"           | 3/8" / 3/4"           | 3/8" / 3/4"           | 3/8" / 3/4"           |
|                            | Max. Refrigerant Pipe Length | ft.             | 98.4                  | 164                   | 246                   | 246                   | 246                   |
|                            | Max. Different Level         | ft.             | 65.6                  | 82                    | 98.4                  | 98.4                  | 98.4                  |
| Max Fuse                   | A                            | 6.0             | 6.0                   | 6.0                   | 6.0                   | 6.0                   |                       |
| Outdoor Air Flow           | CFM                          | 2000            | 2000                  | 2650                  | 2950                  | 2950                  |                       |
| Outdoor Noise Level (High) | dB(A)                        | 54              | 55                    | 56                    | 60                    | 60                    |                       |
| Ambient Temperature Range  | Cooling                      | °F              | 5-131                 | 5-131                 | 5-131                 | 5-131                 | 5-131                 |
|                            | Heating                      | °F              | -4-75                 | -4-75                 | -4-75                 | -4-75                 | -4-75                 |

# SINGLE-ZONE MULTI-POSITION AIR HANDLER

HEAT PUMP SYSTEM

The **24V Multi-position air handler** offers maximum installation flexibility by allowing the unit to be configured in upflow, downflow, or horizontal positions.



## Key Advantages of Multi-Positioning

### Versatile Installation

- Fits in basements, attics, or closets.
- Adapts to your specific space limits.

### Reduced Inventory Costs

- Dealers stock one unit instead of four.
- Simplifies the equipment ordering process.

### Easy Future Conversions

- Adapts easily during home remodeling projects.
- Eliminates the need for new equipment.

### Optimized Airflow Direction

- Supports vertical or horizontal ductwork layouts.
- Maximizes heating and cooling efficiency.

Auxiliary electric heat kits for  
backup emergency heating.

AB-EHK05KW

AB-EHK10KW

AB-EHK15KW

AB-EHK20KW

*(Sold Separately)*