

Project:

Date:

Location:

Engr.:

### KEY FEATURES



**Hi-Smart H**  
**AVW-76H3FH**



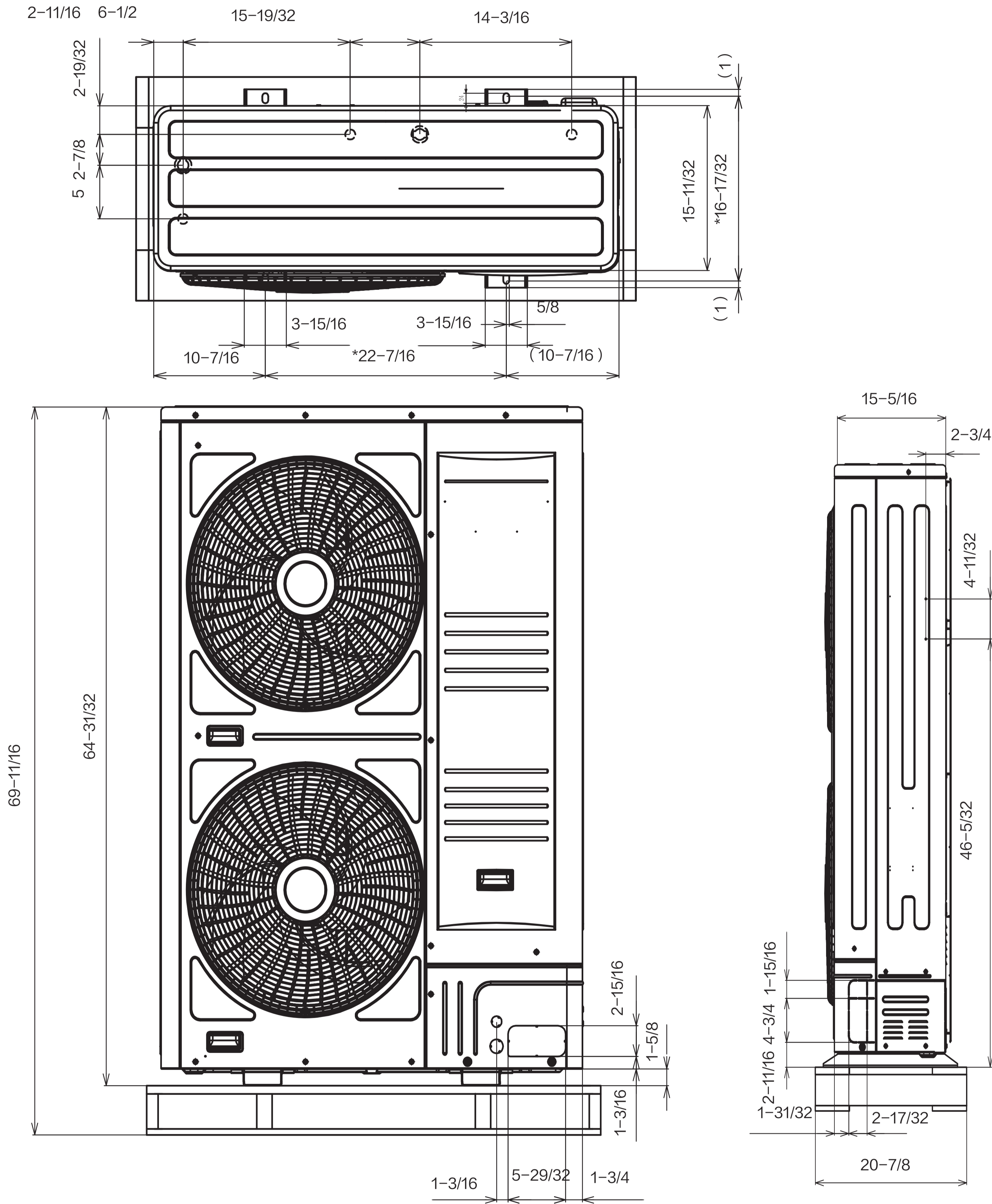
- ◎ Optimized tube-in-tube heat exchanger and segmented heat exchanger improves heat pump's subcooling performance in cooling mode
- ◎ Redesigned fan shroud system improves discharge air distance to prevent short cycling of air
- ◎ Sealed electrical compartment prevents possible damage from natural environment
- ◎ One-Touch test run allows for simple system startup and commissioning as well as service and maintenance
- ◎ Anti-ice bottom row heat exchanger protects ice from forming on the bottom of the heat exchanger during heat mode
- ◎ Redesigned top axial fan allows for load flexibility and adaptable to more application scenarios

| Hi-Smart H Series                    | Model              |       | AVW-76HFFH                             |
|--------------------------------------|--------------------|-------|--|
|                                      | Ton                |       | 6                                      |
| Model Power Supply                   | Phase Voltage Hz   |       | AC 3-Phase 208/230V 60Hz               |
| Cooling Operation                    | Nominal Capacity   | Btu/h | 77,000                                 |
|                                      | Power Consumption  | kW    | 6.3                                    |
|                                      | EER                | W/W   | 3.56                                   |
| Heating Operation                    | Nominal Capacity   | Btu/h | 85,000                                 |
|                                      | Power Consumption  | kW    | 5.9                                    |
|                                      | COP                | W/W   | 4.24                                   |
| MCA (Minimum Circuit Ampacity)       | A                  |       | 22                                     |
| MOP (Minimum Overcurrent Protection) | A                  |       | 30                                     |
| Air Flow Rate                        | CFM (m3/h)         |       | 4,273 (7,260)                          |
| Out Dimension                        | inch               |       | 64-31/32 x 43-5/16 x 15-11/32          |
| Net Weight                           | lbs.(kg)           |       | 371 (168)                              |
| Compressor Quantity                  |                    |       | 1                                      |
| Compressor Type                      |                    |       | Inverter Scroll Hermetic Compressor    |
| Refrigerant Type                     |                    |       | R410A                                  |
| Refrigerant Charge Amount            | lbs.(kg)           |       | 11 (5)                                 |
| Refrigerant Flow Control             |                    |       | Micro-computer Control Expansion Valve |
| Condenser Fan Quantity               |                    |       | 2                                      |
| Cabinet Color                        |                    |       | Ivory White                            |
| Refrigerant Piping                   | Gas Line           | inch  | 3/4                                    |
|                                      | Liquid Line        | inch  | 3/8                                    |
| Maximum Number of Connectable IDU    |                    |       | 10                                     |
| Maximum Actual Pipe Length           | Ft.                |       | 328                                    |
| Height Difference                    | Maximum Below Unit | Ft.   | 164                                    |
|                                      | Maximum Above Unit | Ft.   | 131                                    |
|                                      | Between IDUs       | Ft.   | 49                                     |
| Noise level                          | Cooling/Heating    | dB(A) | 53/55                                  |
| Operation Range                      | Cooling            | °F DB | 23°F~114.8°F                           |
|                                      | Heating            | °F WB | -4°F~60°F                              |

Note: For connection with " \* " please contact with our technical engineer.

### Dimension

unit:inch



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