



## SUBMITTAL DATA

Single Zone 25 Seer 9KBTU 230V

**Model: TWH09AG25R32A2DI / TWH09AG25R32A2DO**

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



YAP1F7F



TWH09AG25R32A2DI



TWH09AG25R32A2DO



XE71 (Optional)

### GENERAL FEATURES:

- R32 Refrigerant
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Wireless Remote with LCD Display
- Wired Controller Options
- I Feel
- Wi-Fi Included
- Low Ambient Cooling down to 0°F (Range 0°F to 115°F)
- Low Ambient Heating down to -13°F (Range -13°F to 75°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested



## SPECIFICATIONS & FUNCTIONS:

| Model                |                     | TWH09AG25R32A2D                 |
|----------------------|---------------------|---------------------------------|
| Power Supply         | VAC / Phase / Hertz | 208-230/1/60                    |
| Power Supply Mode    | -                   | Outdoor                         |
| Cooling Capacity     | Btu/h               | 9100                            |
| Heating Capacity     | Btu/h               | 10500                           |
| Cooling Power Input  | W                   | 606                             |
| Heating Power Input  | W                   | 789                             |
| Rated Input          | W                   | 1520                            |
| Rated Current        | A                   | 6                               |
| EER                  | (Btu/h)/W           | 15                              |
| COP                  | (Btu/h)/W           | 13.3                            |
| SEER                 | SEER2               | 26                              |
| HSPF                 | HSPF2               | 10.4                            |
| Air Flow Volume(H-L) | CFM                 | 600/353/324/294/265/235/206/194 |
| Dehumidifying Volume | Pint/h              | 1.69                            |
| Application Area     | sq ft               | 130-194                         |
| Controller Model     | Remote              | YBE1FB1F                        |

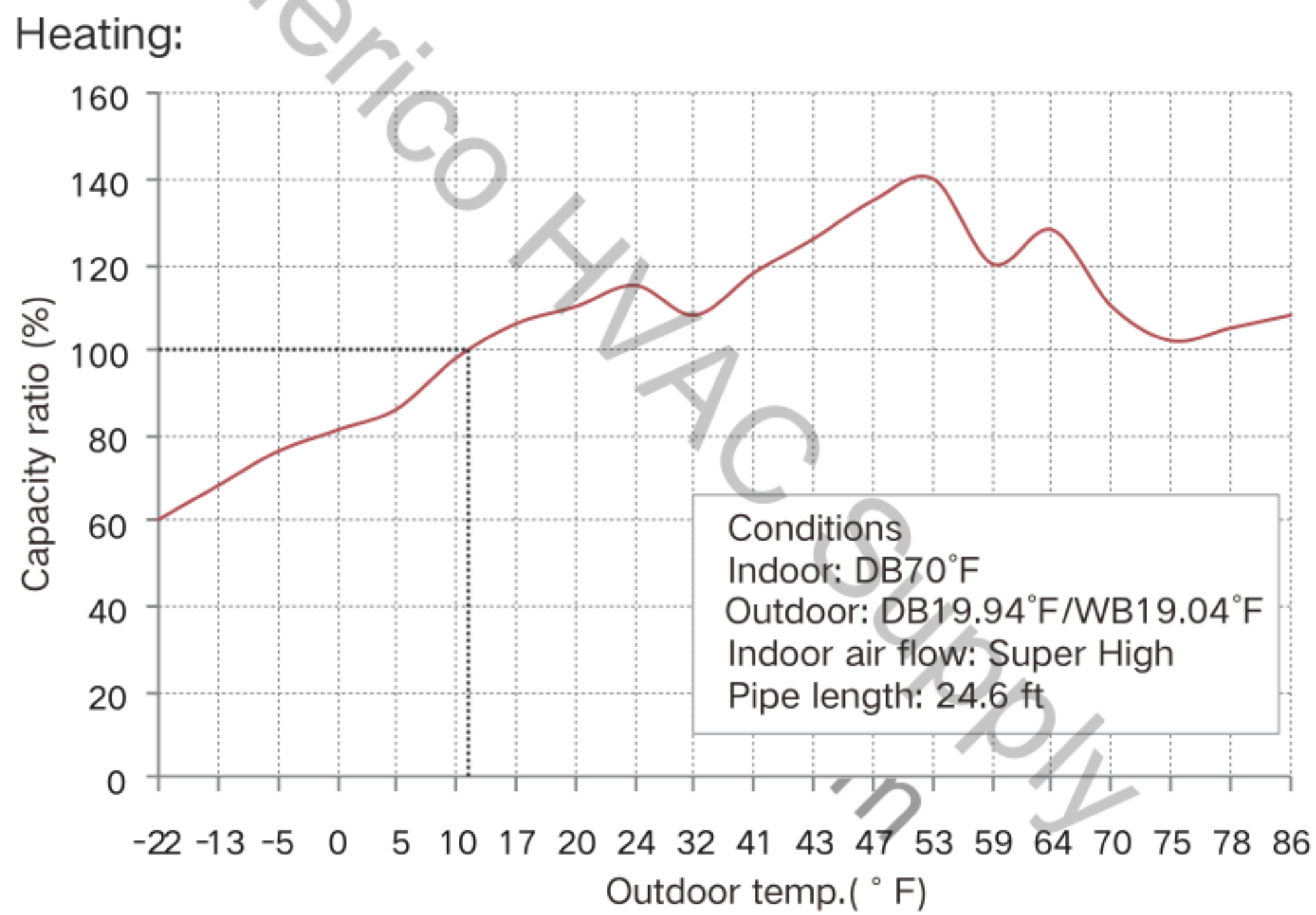
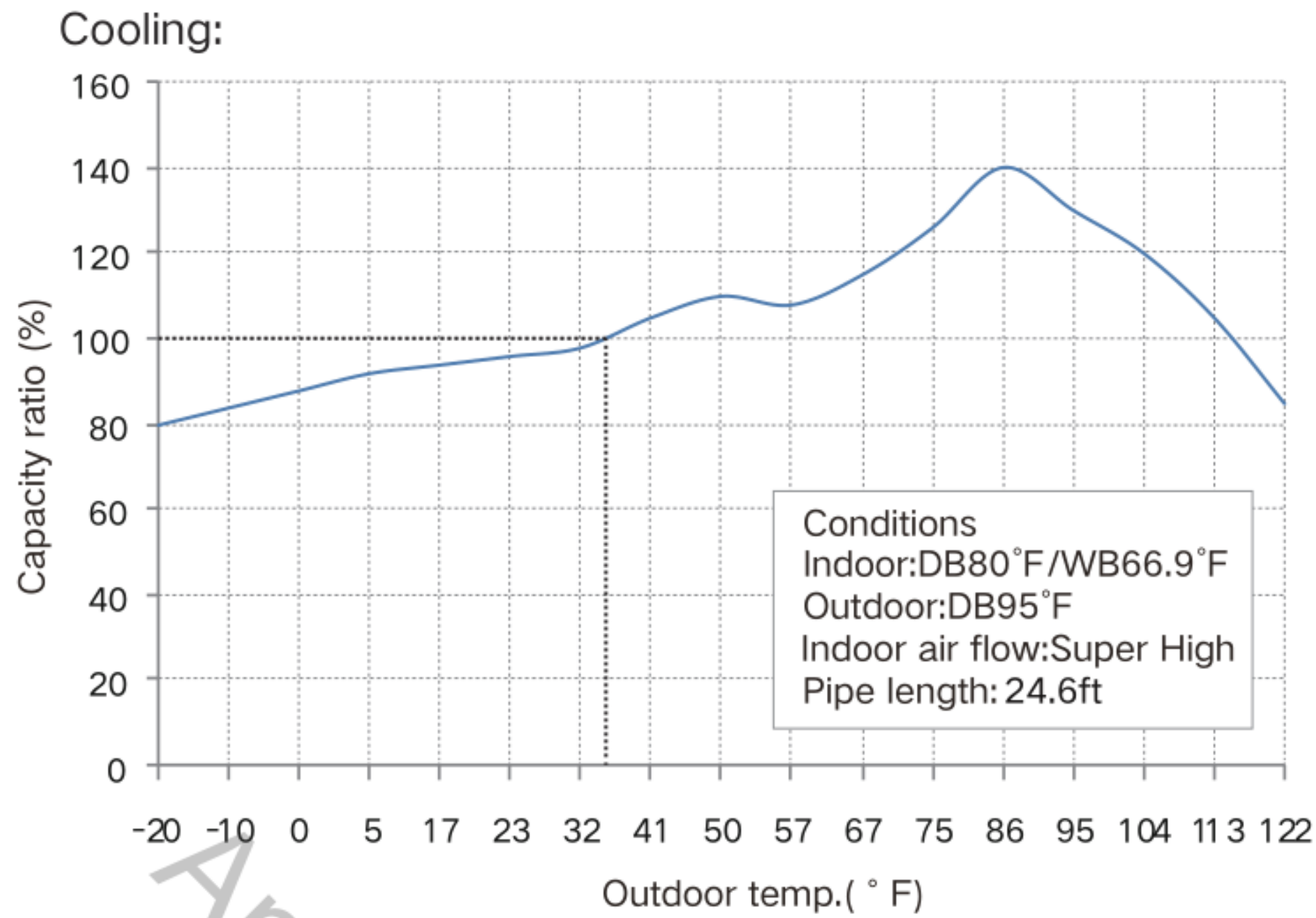
| Indoor Unit Model                 |                          | TWH09AG25R32A2DI                        |
|-----------------------------------|--------------------------|-----------------------------------------|
| Fan Type                          | -                        | Cross-flow                              |
| Fan Diameter Length (D×L)         | mm                       | 98×630                                  |
| Cooling Speed                     | r/min                    | 1300/1200/1100/<br>1000/900/800/750/500 |
| Heating Speed                     | r/min                    | 1300/1200/1100/<br>1000/900/850/800     |
| Fan Motor Power Output            | W                        | 15                                      |
| Fan Motor RLA                     | A                        | 0.35                                    |
| Motor ratings                     | hp                       | 0.07                                    |
| Evaporator Form                   | Aluminum Fin-copper Tube |                                         |
| Evaporator Pipe Diameter          | mm                       | φ5                                      |
| Evaporator Row-fin Gap            | mm                       | 2-1.4                                   |
| Evaporator Coil Length (L×D×W)    | mm                       | 634×22.8×304.8                          |
| Swing Motor Model                 | -                        | MP24BA/MP24AK/MP24HF                    |
| Swing Motor Power Output          | W                        | 1.5 1.5 1.5                             |
| Fuse Current                      | A                        | 3.15                                    |
| Set Temperature Range             | °F                       | 61 ~ 86                                 |
| Sound Pressure Level Cooling mode | dB (A)                   | 41/39/36/33/29/26/24/20                 |
| Sound Power Level Cooling mode    | dB (A)                   | 51/49/46/43/39/36/34/30                 |
| Sound Pressure Level Heating mode | dB (A)                   | 40/37/36/31/29/26/24                    |
| Sound Power Level Heating mode    | dB (A)                   | 50/47/46/41/39/36/34                    |
| Dimension (W x H x D)             | inch                     | 32 31/64x11 17/32x7 23/32               |
| Net Weight                        | lb                       | 20.9                                    |
| Gross Weight                      | lb                       | 25.4                                    |

| Outdoor Unit Model                                              |                            | TWH09AG25R32A2DO           |
|-----------------------------------------------------------------|----------------------------|----------------------------|
| Compressor Manufacturer                                         | -                          | LANDA                      |
| Compressor Model                                                | -                          | QXF-B103zH170E             |
| Compressor Oil                                                  | -                          | RB68EP                     |
| Compressor Type                                                 | -                          | Rotary                     |
| Compressor RLA                                                  | A                          | 6.5                        |
| Compressor Power Input                                          | W                          | 800                        |
| Outdoor Unit Fan Type                                           | -                          | Axial-flow                 |
| Outdoor Unit Fan Diameter                                       | mm                         | 420                        |
| Fan Motor Speed                                                 | rpm                        | 850                        |
| Fan Motor Power Output                                          | W                          | 30                         |
| Motor ratings                                                   | hp                         | 0.04                       |
| Fan Motor RLA                                                   | A                          | 0.96                       |
| Air Flow Volume                                                 | CFM                        | 1295                       |
| Condenser Form                                                  | Aluminum Fin-copper Tube   |                            |
| Condenser Pipe Diameter                                         | mm                         | φ7                         |
| Condenser Rows-fin Gap                                          | mm                         | 2-1.4                      |
| Condenser Coil Length (L×D×W)                                   | mm                         | 772×38.1×528               |
| Permissible Excessive Operating Pressure for the Discharge Side | P.S.I.G.                   | 624                        |
| Permissible Excessive Operating Pressure for the Suction Side   | P.S.I.G.                   | 363                        |
| Maximum Allowable Pressure                                      | P.S.I.G.                   | 885                        |
| Cooling Operation Ambient Temperature Range                     | °F                         | -20 ~ 122                  |
| Heating Operation Ambient Temperature Range                     | °F                         | -22~86                     |
| Metering Device                                                 | Electronic expansion valve |                            |
| Defrosting Method                                               | -                          | Automatic Defrosting       |
| Sound Pressure Level (H)                                        | dB (A)                     | 52                         |
| Sound Power Level (H)                                           | dB (A)                     | 62                         |
| Dimension (WxHxD)                                               | inch                       | 31 37/64x21 27/32x13 25/32 |
| Outdoor Unit Net Weight                                         | lb                         | 70.6                       |
| Outdoor Unit Gross Weight                                       | lb                         | 76.1                       |
| Refrigerant                                                     | --                         | R32                        |
| Factory Refrigerant Charge                                      | oz                         | 30                         |
| Connection Pipe Length                                          | ft                         | 24.6                       |
| Connection Pipe Gas Additional Charge                           | oz/ft.                     | 0.2                        |
| Outer Diameter of Liquid Pipe                                   | inch                       | 1/4"                       |
| Outer Diameter of Gas Pipe                                      | inch                       | 3/8"                       |
| Max Distance Height                                             | ft                         | 40                         |
| Max Distance Length                                             | ft                         | 65                         |

| Functions                 |                  |                          |                        |                                     |
|---------------------------|------------------|--------------------------|------------------------|-------------------------------------|
| Auto                      | Turbo            | Auto Fan                 | Intelligent Defrosting | Memory                              |
| Cooling                   | Temperature      | Quiet                    | Force Defrosting       | Chassis Electric Heater Function    |
| Heating                   | Soft Start       | I Feel                   | Energy Saving          | Filter Dirty Alarm                  |
| Dehumidify                | Self-Diagnosis   | Intelligent Preheating   | 8°C Heating Mode       | Compressor Electric Heater Function |
| Air Flow                  | Lock             | Dry Anti-mildew Design   | Turbo Cooling          | Standby                             |
| Three Kinds of Sleep Mode | WIFI             | Several Optional Filters | Low Ambient Cooling    | Multi Speeds                        |
| Vertical Auto Swing       | LCD (Back Light) | Auto Clean               | Low Ambient Heating    |                                     |
| Horizontal Auto Swing     | LED              | Timer Feature            | Low Voltage Startup    |                                     |

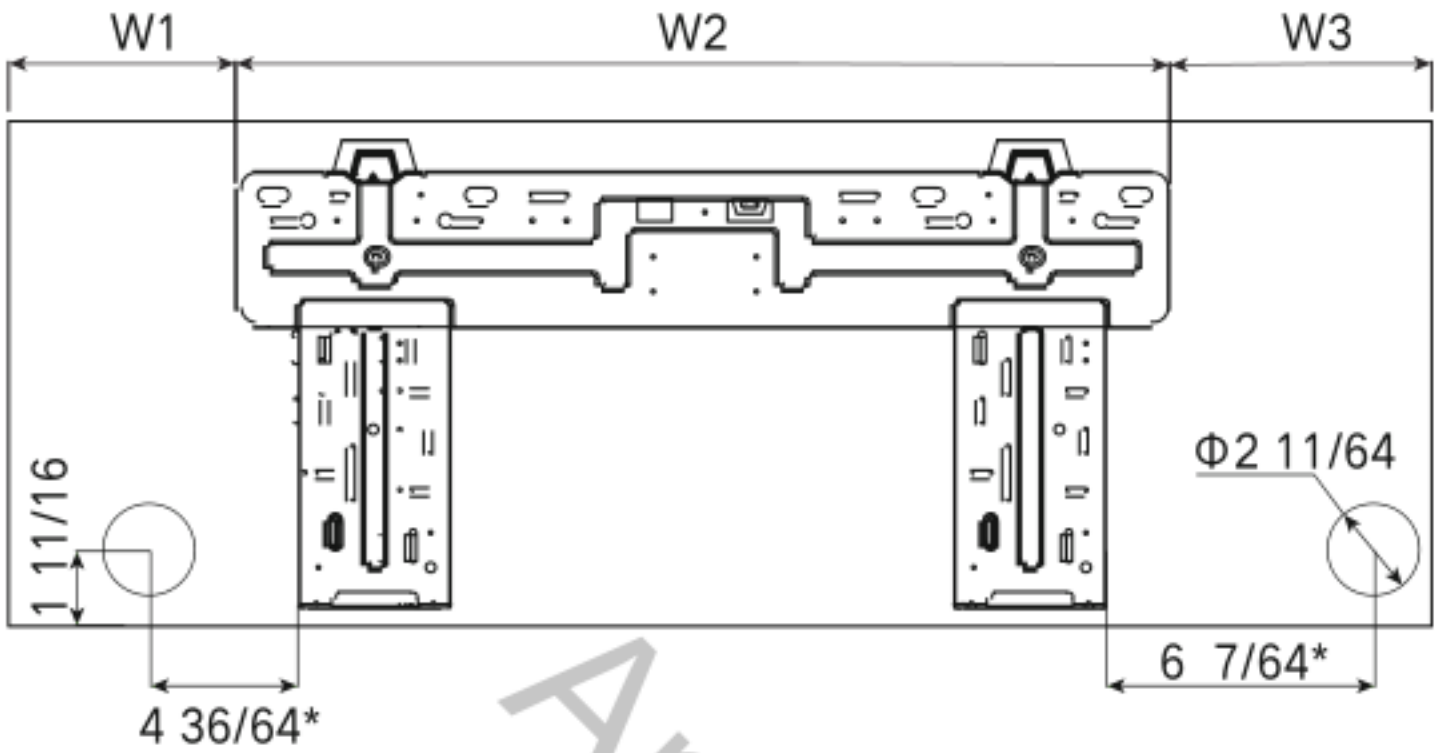
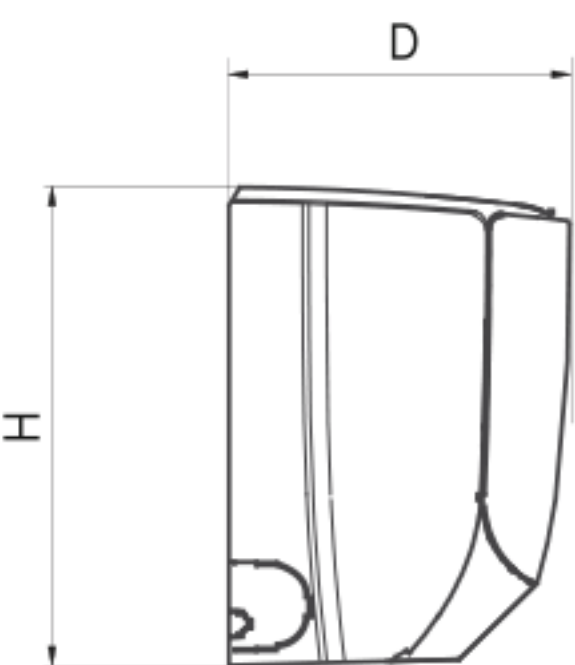
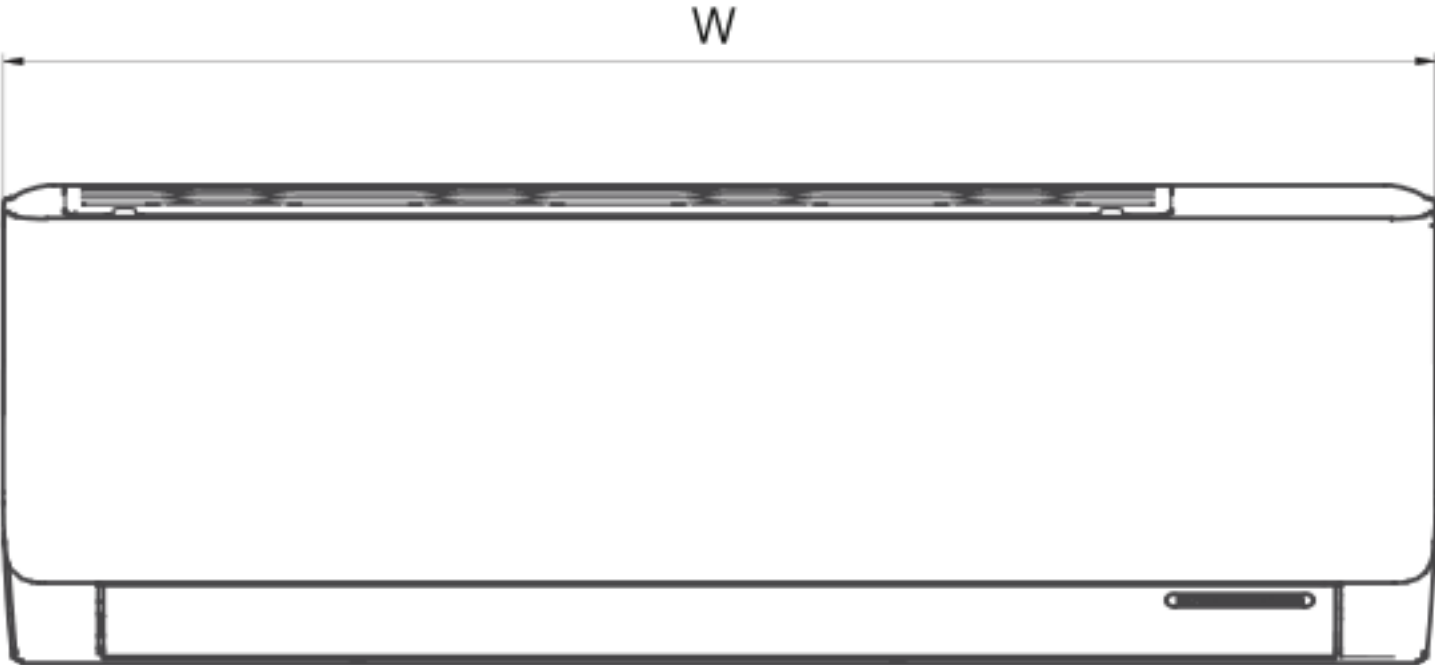


## Capacity Variation Ratio According to Temperature





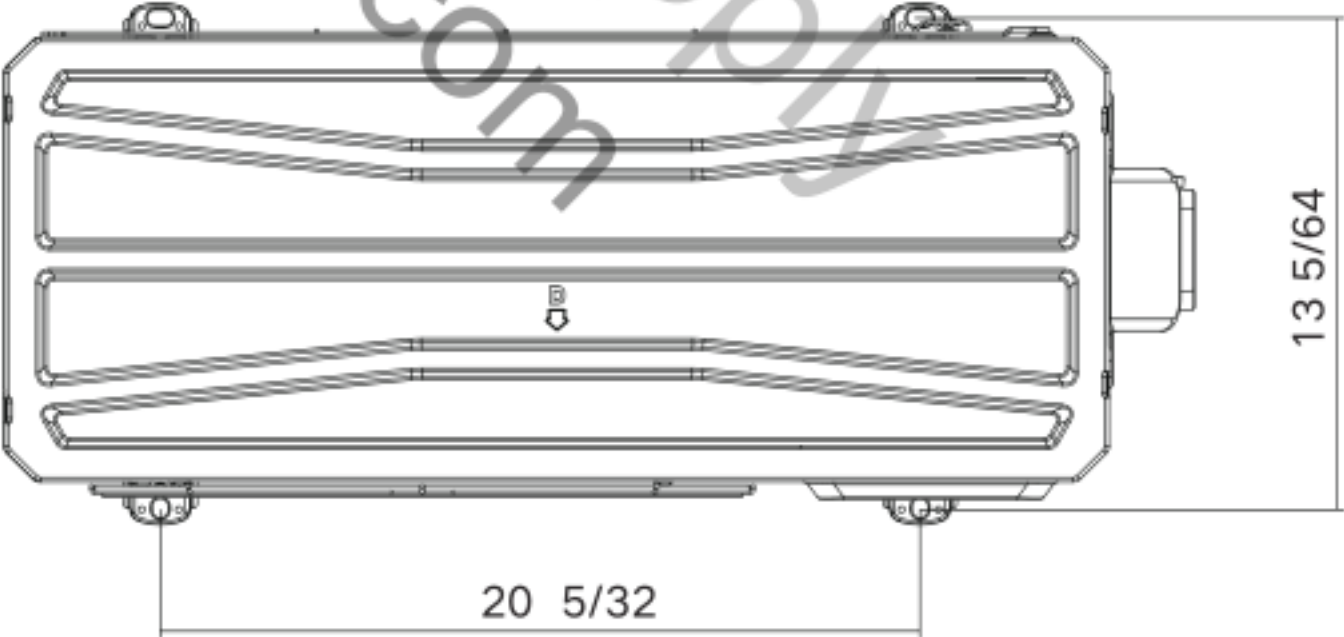
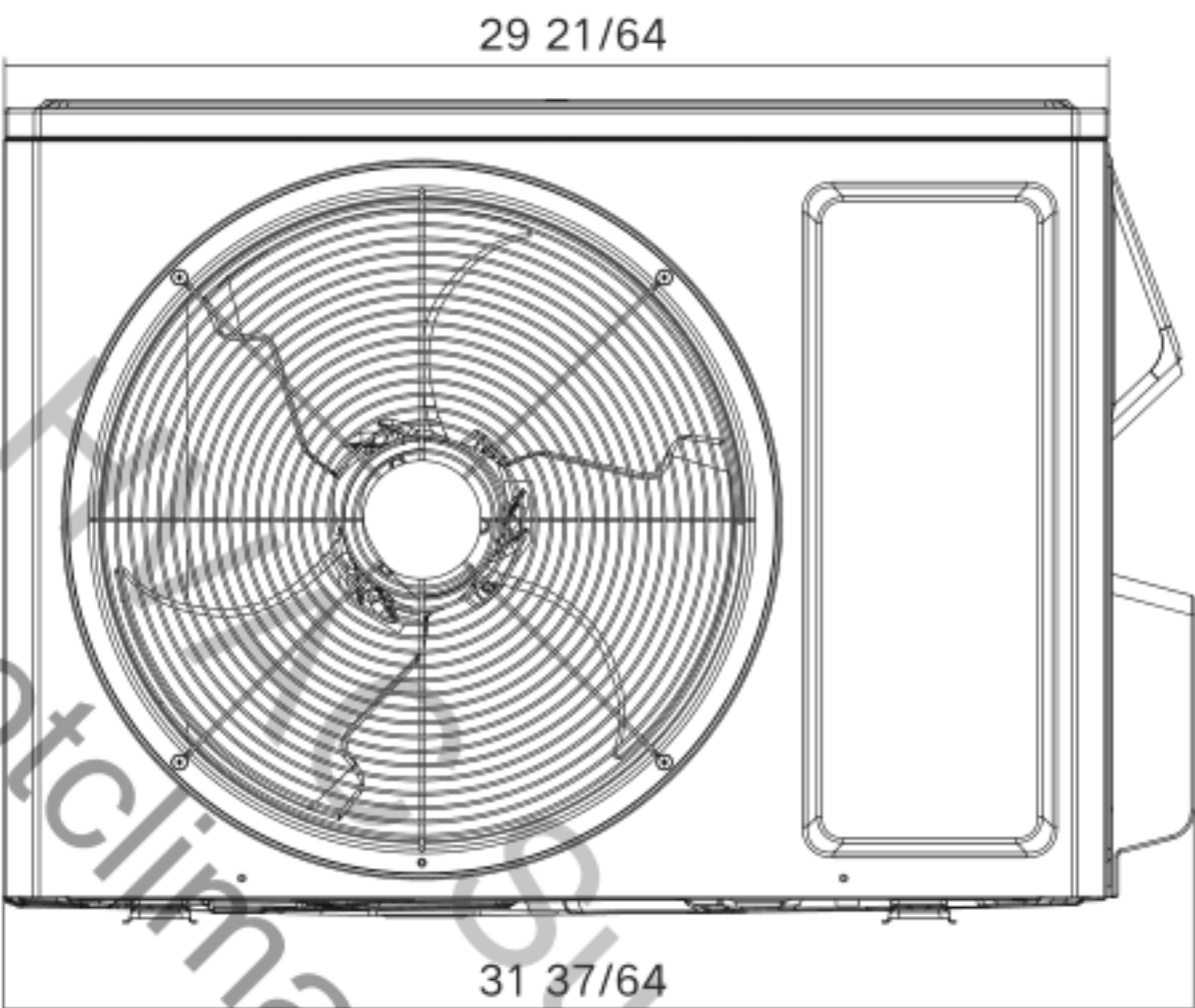
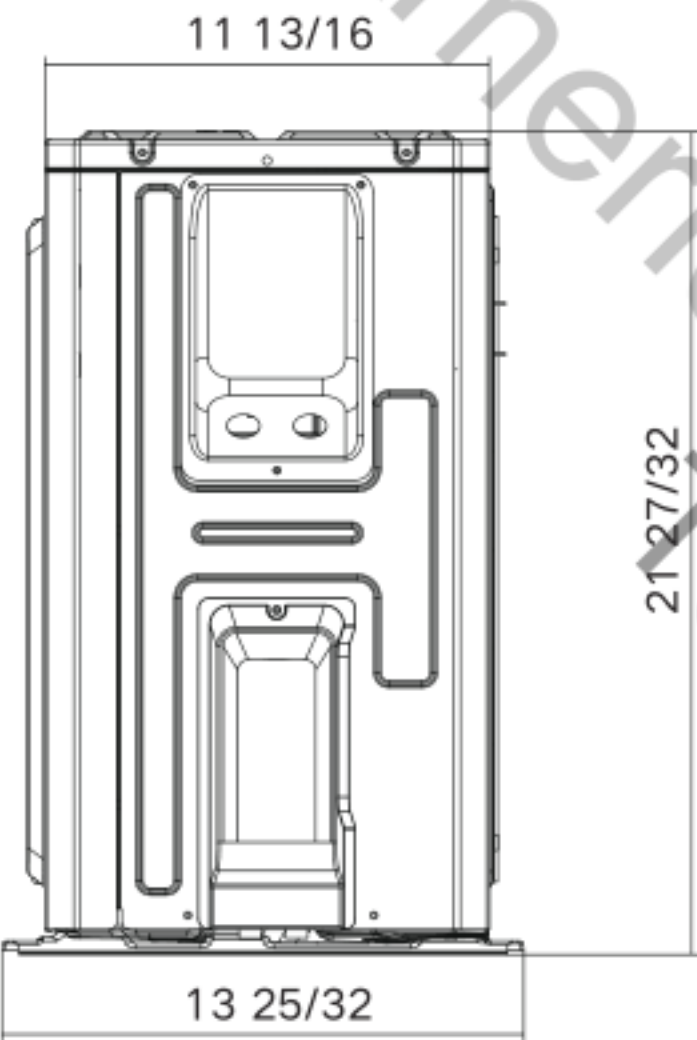
Outline Dimension Diagram



Unit: inch

| Model | W        | H        | D       |
|-------|----------|----------|---------|
| AGC   | 32 31/64 | 11 17/32 | 7 23/32 |
|       | W1       | W2       | W3      |
|       | 4 29/64  | 21 11/32 | 6 11/16 |

\* Recommending distances



Unit: inch



# TOSOT

## Installation Dimension Diagram

