

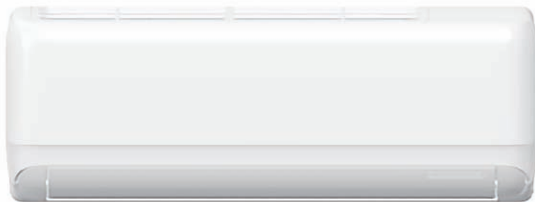


# TOSOT

## SPLIT TYPE

## SUBMITTAL

### Model: TWH09ATCXB-A3DNA3A



| Model                  |                                      | TWH09ATCXB-A3DNA3A  |                                                              |
|------------------------|--------------------------------------|---------------------|--------------------------------------------------------------|
| Power Supply           | Rated Voltage                        | V~                  | 115                                                          |
|                        | Rated Frequency                      | Hz                  | 60                                                           |
|                        | Phases                               | -                   | 1                                                            |
| Power Supply Mode      |                                      | -                   | Outdoor                                                      |
| Cooling Capacity       |                                      | Btu/h               | 9100                                                         |
| Heating Capacity       |                                      | Btu/h               | 10000                                                        |
| Cooling Power Input    |                                      | W                   | 771                                                          |
| Heating Power Input    |                                      | W                   | 814                                                          |
| Cooling Current        |                                      | A                   | 8.7                                                          |
| Heating Current        |                                      | A                   | 9.2                                                          |
| Rated Input            |                                      | W                   | 1450                                                         |
| Rated Current          |                                      | A                   | 17.5                                                         |
| EER                    |                                      | (Btu/h)/W           | 11.3                                                         |
| COP                    |                                      | (Btu/h)/W           | 12.3                                                         |
| SEER                   |                                      | -                   | 19.5(SEER)19.5(SEER2)                                        |
| HSPF                   |                                      | -                   | 9.8(HSPF)8.6(HSPF2)                                          |
| Air Flow Volume        |                                      | CFM                 | 353/282/264/229/211/194/158                                  |
| Dehumidifying Volume   |                                      | Pint/d              | 1.69                                                         |
| Suggested Breaker Size |                                      | A                   | 20                                                           |
| Indoor Unit Model      |                                      | TWH09ATCXB-A3DNA3AI |                                                              |
| Indoor Unit            | Fan Type                             | -                   | Cross-flow                                                   |
|                        | Fan Diameter Length(D × L)           | mm                  | Φ94 × 630                                                    |
|                        | Cooling Speed                        | r/min               | 1350/1150/1100/1000/950/850/750                              |
|                        | Heating Speed                        | r/min               | 1300/1100/1050/1000/950/850/800                              |
|                        | Fan Motor Power Output               | W                   | 20                                                           |
|                        | Fan Motor RLA                        | A                   | 0.40                                                         |
|                        | Fan Motor Capacitor                  | μ F                 | 4                                                            |
|                        | Heater Power Input                   | W                   | 68                                                           |
|                        | Evaporator Form                      | -                   | Aluminum Fin-copper Tube                                     |
|                        | Evaporator Pipe Diameter             | mm                  | Φ5                                                           |
|                        | Evaporator Row-fin Gap               | mm                  | 2-1.3                                                        |
|                        | Evaporator Coil Length (L × D × W)   | mm                  | 634 × 22.8 × 266.7                                           |
|                        | Swing Motor Model                    | -                   | MP24HF                                                       |
|                        | Swing Motor Power Output             | W                   | 1.5                                                          |
|                        | Fuse Current                         | A                   | 3.15                                                         |
|                        | Sound Pressure Level                 | dB (A)              | Cooling:41/37/35/33/31/28/26<br>Heating:41/36/35/34/31/29/27 |
|                        | Sound Power Level                    | dB (A)              | Cooling:51/47/45/43/41/38/36<br>Heating:51/46/45/44/41/39/37 |
|                        | Dimension (W × H × D)                | inch                | 32 7/8 × 10 53/64 × 7 7/8                                    |
|                        | Package Carton Dimension (L × W × H) | inch                | 35 1/32 × 12 61/64 × 10 15/64                                |
|                        | Package Dimension (L × W × H)        | inch                | 35 15/64 × 13 37/64 × 10 43/64                               |
|                        | Net Weight                           | lb                  | 19.8                                                         |
|                        | Gross Weight                         | lb                  | 24.25                                                        |

Job Name:

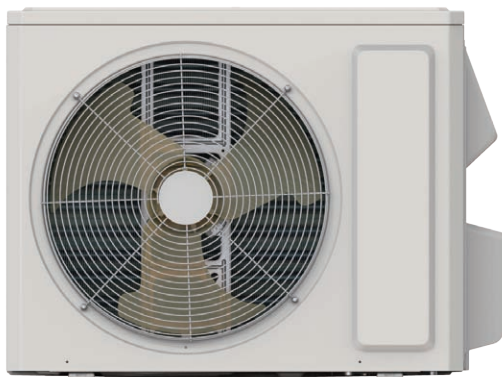
Schedule Reference:

Date:



# TOSOT

## Model: TWH09ATCXB-A3DNA3A



| Outdoor Unit Model                                 |                                                                 | TWH09ATCXB-A3DNA3AO |                                 |
|----------------------------------------------------|-----------------------------------------------------------------|---------------------|---------------------------------|
| Outdoor Unit                                       | Compressor Manufacturer                                         | -                   | ZHUHAI LANDA COMPRESSOR CO.,LTD |
|                                                    | Compressor Model                                                | -                   | QXF-N075zC170A                  |
|                                                    | Compressor Oil                                                  | -                   | FW68DA                          |
|                                                    | Compressor Type                                                 | -                   | Rotary                          |
|                                                    | Compressor LRA.                                                 | A                   | /                               |
|                                                    | Compressor RLA                                                  | A                   | 10.50                           |
|                                                    | Compressor Power Input                                          | W                   | 640                             |
|                                                    | Compressor Overload Protector                                   | -                   | /                               |
|                                                    | Fan Type                                                        | -                   | Axial-flow                      |
|                                                    | Fan Diameter                                                    | mm                  | 400                             |
|                                                    | Fan Motor Speed                                                 | rpm                 | 900                             |
|                                                    | Fan Motor Power Output                                          | W                   | 30                              |
|                                                    | Fan Motor RLA                                                   | A                   | 0.63                            |
|                                                    | Fan Motor Capacitor                                             | μF                  | /                               |
|                                                    | Outdoor Unit Air Flow Volume                                    | CFM                 | 1148                            |
|                                                    | Condenser Form                                                  | -                   | Aluminum Fin-copper Tube        |
|                                                    | Condenser Pipe Diameter                                         | mm                  | Φ5                              |
|                                                    | Condenser Rows-fin Gap                                          | mm                  | 1-1.2                           |
|                                                    | Condenser Coil Length (L × D × W)                               | mm                  | 666 × 19.05 × 527               |
|                                                    | Permissible Excessive Operating Pressure for the Discharge Side | MPa                 | 4.3                             |
|                                                    | Permissible Excessive Operating Pressure for the Suction Side   | MPa                 | 2.5                             |
|                                                    | Maximum Allowable Pressure                                      | MPa                 | 4.3                             |
|                                                    | Set Temperature Range                                           | °F                  | 61~86                           |
|                                                    | Cooling Operation Ambient Temperature Range                     | °F                  | 0~115                           |
|                                                    | Heating Operation Ambient Temperature Range                     | °F                  | -13~75                          |
|                                                    | Throttling Method                                               | -                   | Capillary                       |
|                                                    | Defrosting Method                                               | -                   | Automatic Defrosting            |
|                                                    | Climate Type                                                    | -                   | T1                              |
|                                                    | Isolation                                                       | -                   | I                               |
|                                                    | Moisture Protection                                             | -                   | IPX4                            |
|                                                    | Sound Pressure Level                                            | dB (A)              | 51                              |
|                                                    | Sound Power Level                                               | dB (A)              | 61                              |
|                                                    | Dimension (W × H × D)                                           | inch                | 28 13/16 × 21 27/32 × 12 63/64  |
|                                                    | Dimension of Carton Box (L × W × H)                             | inch                | 31 9/64 × 14 11/16 × 23 15/64   |
|                                                    | Dimension of Package(L × W × H)                                 | inch                | 31 17/64 × 14 51/64 × 24 7/32   |
|                                                    | Net Weight                                                      | lb                  | 59.5                            |
|                                                    | Gross Weight                                                    | lb                  | 65                              |
|                                                    | Refrigerant                                                     | -                   | R410A                           |
|                                                    | Refrigerant Charge                                              | oz                  | 24.34                           |
| Connection Pipe                                    | Length                                                          | ft                  | 24.6                            |
|                                                    | Gas Additional Charge                                           | oz/ft               | 0.22                            |
|                                                    | Outer Diameter Liquid Pipe                                      | inch                | 1/4                             |
|                                                    | Outer Diameter Gas Pipe                                         | inch                | 3/8                             |
|                                                    | Max. Height Distance                                            | ft                  | 39.37                           |
|                                                    | Max. Length Distance                                            | ft                  | 65.6                            |
| Note: The connection pipe applies metric diameter. |                                                                 |                     |                                 |

The above data is subject to change without notice. Please refer to the nameplate of the unit.

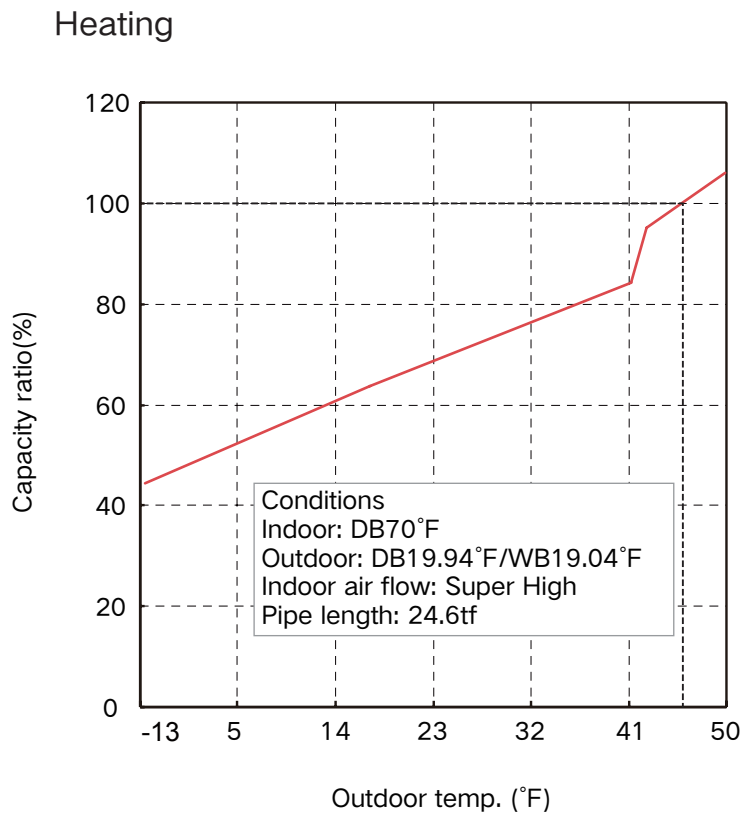
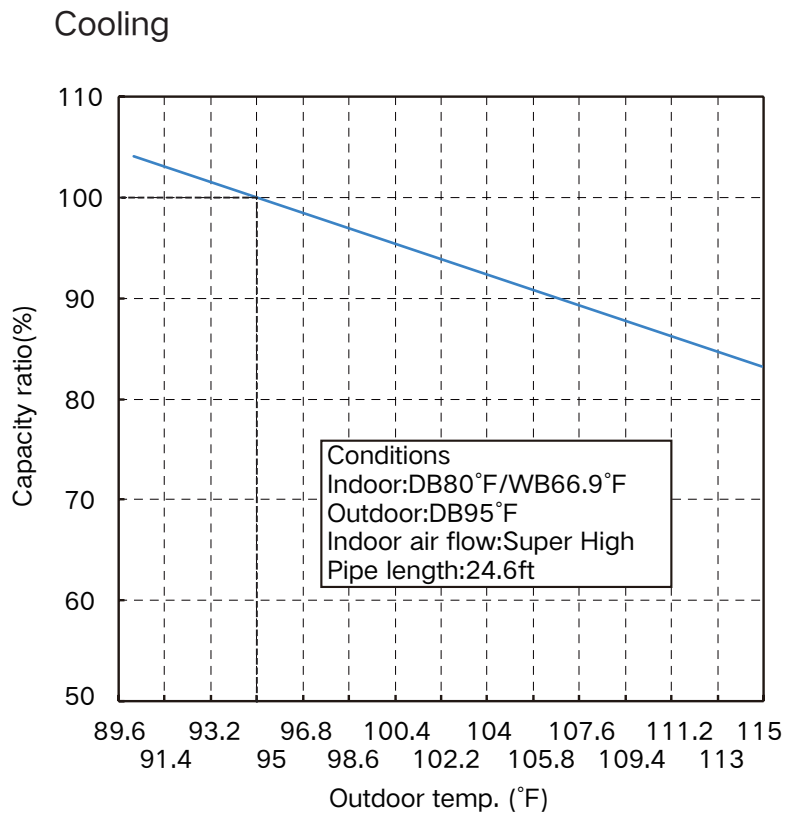
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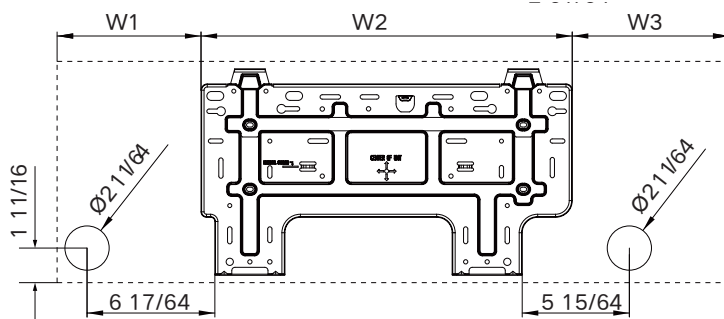
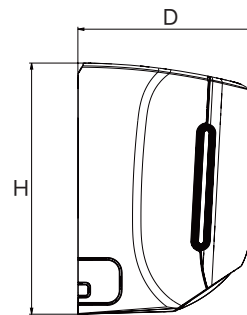
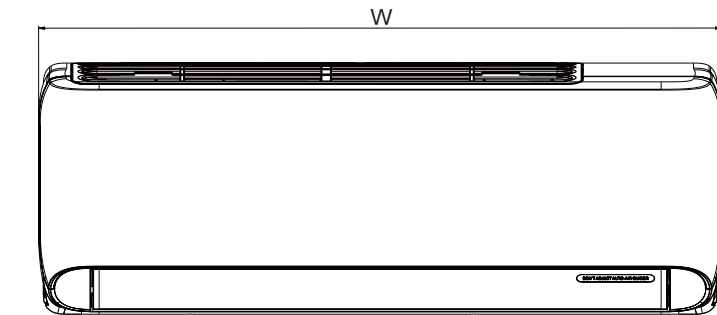
## Capacity Variation Ratio According to Temperature





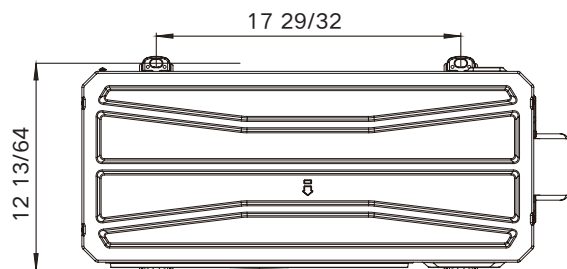
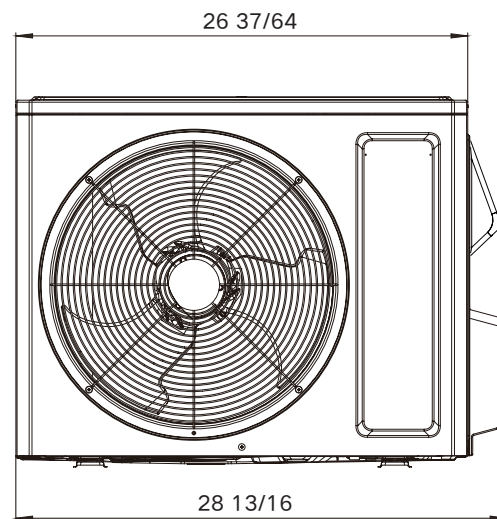
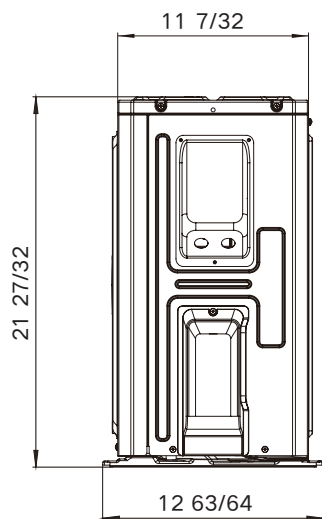
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## Outline Dimension Diagram



Unit: inch

| Model | W      | H        | D       |
|-------|--------|----------|---------|
| ATC   | 32 7/8 | 10 53/64 | 7 7/8   |
|       | W1     | W2       | W3      |
|       | 7 3/64 | 18 5/32  | 7 11/16 |



Unit: inch



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## Installation Dimension Diagram

