



# TOSOT

## SPLIT TYPE

## SUBMITTAL

### Model: TM36HMO



| Model                 |                                 | TM36HMO   |                                   |
|-----------------------|---------------------------------|-----------|-----------------------------------|
| Power supply          | Rated Voltage                   | V~        | 208/230                           |
|                       | Rated Frequency                 | Hz        | 60                                |
|                       | Phases                          | -         | 1                                 |
| Cooling capacity      |                                 | Btu/h     | 34000                             |
| Heating capacity      |                                 | Btu/h     | 36000                             |
| Cooling Power Input   |                                 | W         | 2830                              |
| Heating Power Input   |                                 | W         | 2960                              |
| Cooling Current Input |                                 | A         | 12.56                             |
| Heating Current Input |                                 | A         | 13.13                             |
| Rated Power Input     |                                 | W         | 4600/5200                         |
| Rated Current         |                                 | A         | 20.41/22.61                       |
| EER                   |                                 | (Btu/h)/W | 12.00                             |
| COP                   |                                 | (Btu/h)/W | 12.16                             |
| SEER                  |                                 | -         | 21.00(SEER)<br>21.00(SEER2)       |
| HSPF                  |                                 | -         | 10.00(HSPF)<br>10.00(HSPF2)       |
| Outdoor Unit          | Compressor Trademark            | -         | ZHUHAI LANDA COMPRESSOR CO., LTD. |
|                       | Compressor Model                | -         | QXFS-D280zX070C                   |
|                       | Compressor Refrigerant Oil Type | -         | FW68DA or equivalent              |
|                       | Compressor Type                 | -         | Twin Rotary                       |
|                       | L.R.A                           | A         | /                                 |
|                       | Compressor Rated Load Amp (RLA) | A         | 18.2                              |
|                       | Compressor Power Input          | W         | 2294                              |
|                       | Suggested Breakder Size         | -         | 30                                |
|                       | Compressor Thermal Protector    | -         | KSD115°C HPC115/95U1              |
|                       | Throttling Method               | -         | Electron expansion valve          |
|                       | Sound Pressure Level            | dB(A)     | 63                                |

Job Name:

Schedule Reference:

Date:

Specification are subject to change without notice.



|              |                                                                         |        |                               |
|--------------|-------------------------------------------------------------------------|--------|-------------------------------|
| Outdoor Unit | Cooling Operation Ambient Temperature Range                             | °F     | -22~118                       |
|              | Heating Operation Ambient Temperature Range                             | °F     | -22~75.2                      |
|              | Condenser Material                                                      | -      | Aluminum Fin-copper Tube      |
|              | Condenser Pipe Diameter                                                 | mm     | Φ7.94                         |
|              | Rows-Fin Gap(mm)                                                        | mm     | 3-1.6                         |
|              | Coil length (l) × height (H) × coil width (L)                           | mm     | 1066 × 792 × 57.1             |
|              | Fan Motor Speed (rpm)                                                   | rpm    | cooling:860 heating:860       |
|              | Output of Fan Motor                                                     | W      | 130                           |
|              | Fan Motor RLA                                                           | A      | /                             |
|              | Fan Motor Capacitor                                                     | -      | /                             |
|              | Air Flow Volume of Outdoor Unit                                         | CFM    | 3413                          |
|              | Fan Type-Piece                                                          | -      | Axial-flow                    |
|              | Fan Diameter                                                            | mm     | Φ550-205                      |
|              | Defrosting Method                                                       | -      | Automatic Defrosting          |
|              | Climate Type                                                            | -      | T1                            |
|              | Isolation                                                               | -      | I                             |
|              | Moisture Protection                                                     | -      | IPX4                          |
|              | Permissible Excessive Operating Pressure for the Discharge Side         | PSIG   | 550                           |
|              | Permissible Excessive Operating Pressure for the Suction Side           | PSIG   | 240                           |
|              | Dimension (W × D × H)                                                   | inch   | 40 5/32 × 16 13/16 × 32 33/64 |
|              | Dimension of Package (L × W × H)                                        | inch   | 42 29/32 × 19 29/64 × 34 1/4  |
|              | Dimension of Package(L × W × H)                                         | inch   | 43 1/32 × 19 9/16 × 34 27/32  |
|              | Net Weight                                                              | lb     | 172.0                         |
|              | Gross Weight                                                            | lb     | 187.4                         |
|              | Refrigerant Charge                                                      | -      | R410A                         |
|              | Refrigerant Charge                                                      | oz     | 130.5                         |
|              | Cross-sectional Area of Power Cable Conductor                           | sq in  | 0.008215(AWG10)               |
|              | Recommended Power Cable(Core)                                           | N      | 3                             |
|              | Connection Pipe Connection Method                                       | -      | Flare Connection              |
|              | Not Additional Gas Connection Pipe Length                               | ft     | 131.2                         |
|              | Connection Pipe Gas Additional Charge                                   | oz/ft. | 0.2                           |
|              | Outer Diameter of Liquid Pipe1 (GREE Allocation)(Metric)                | inch   | 1/4"                          |
|              | Outer Diameter of Liquid Pipe2(GREE Allocation)(Metric)                 | inch   | 1/4"                          |
|              | Outer Diameter of Liquid Pipe3(GREE Allocation)(Metric)                 | inch   | 1/4"                          |
|              | Outer Diameter of Liquid Pipe4(GREE Allocation)(Metric)                 | inch   | 1/4"                          |
|              | Outer Diameter of Gas Pipe1 (GREE Allocation)(Metric)                   | inch   | 3/8"                          |
|              | Outer Diameter of Gas Pipe2(GREE Allocation)(Metric)                    | inch   | 3/8"                          |
|              | Outer Diameter of Liquid Pipe3(GREE Allocation)(Metric)                 | inch   | 3/8"                          |
|              | Outer Diameter of Liquid Pipe4(GREE Allocation)(Metric)                 | inch   | 3/8"                          |
|              | Connection Pipe Max. Height Distance(indoor and indoor)                 | ft     | 82.0                          |
|              | Connection Pipe Max. Height Distance(indoor and outdoor and indoor up)  | ft     | 82.0                          |
|              | Connection Pipe Max. Height Distance(indoor and outdoor and outdoor up) | ft     | 82.0                          |
|              | Max. equivalent connection pipe length(outdoor to last indoor)          | ft     | 82.0                          |
|              | Connection Pipe Max. Length Distance(total length)                      | ft     | 262.5                         |

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

**Job Name:**

**Schedule Reference:**

**Date:**

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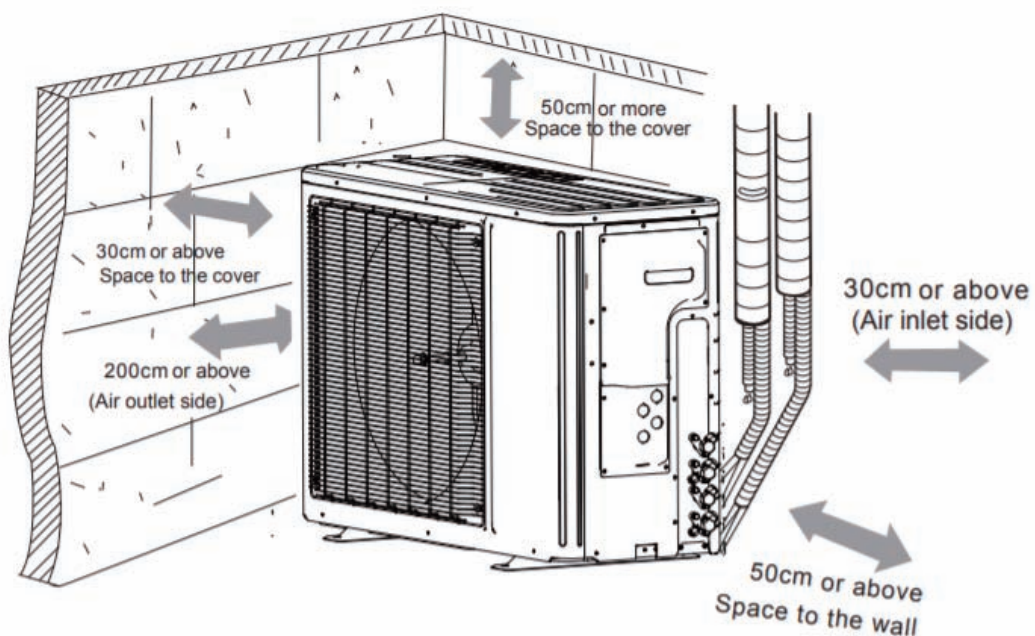
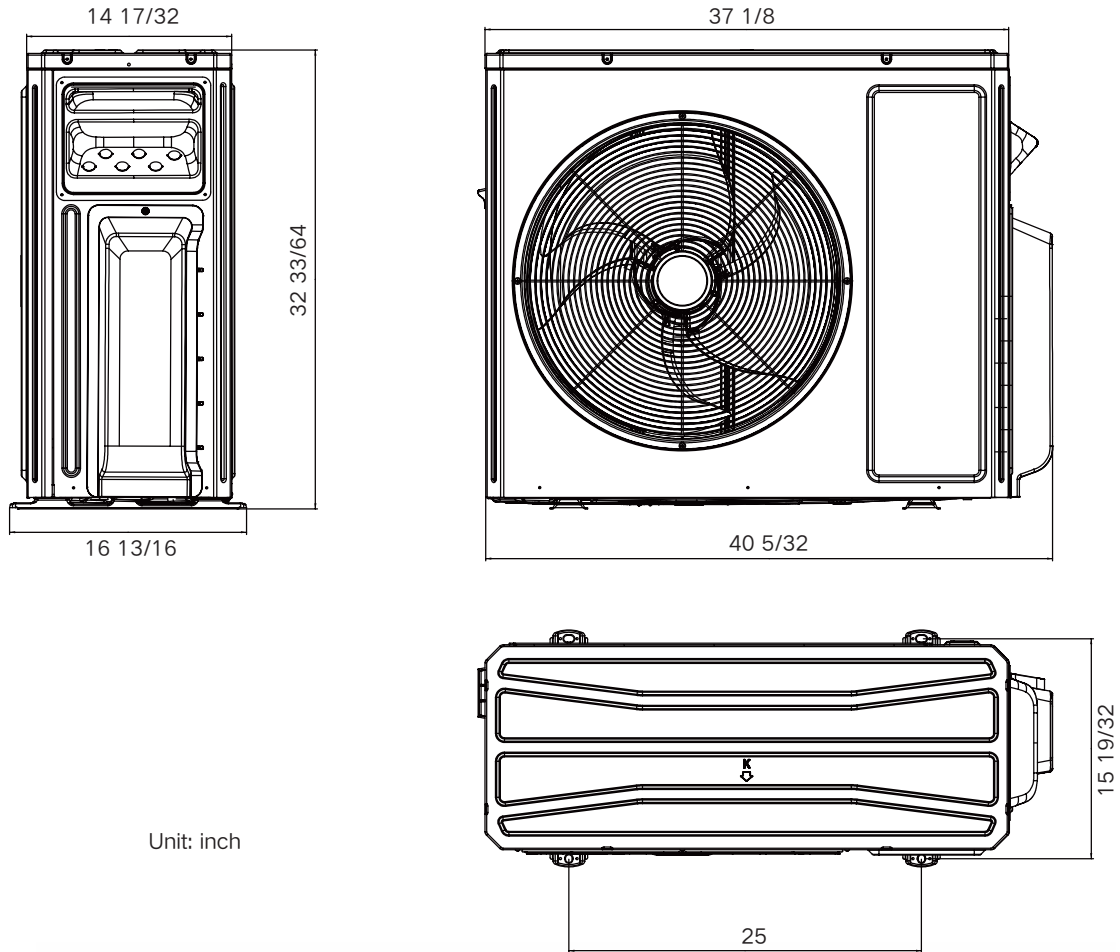
# TOSOT

| MODEL NUMBER | POSSIBLE COMBINATIONS | COOLING CAPACITY (Btu/h) |        |        |        |       | HEATING CAPACITY (Btu/h) |        |        |        |       |
|--------------|-----------------------|--------------------------|--------|--------|--------|-------|--------------------------|--------|--------|--------|-------|
|              |                       | ZONE1                    | ZONE2  | ZONE3  | ZONE4  | ZONE5 | ZONE1                    | ZONE2  | ZONE3  | ZONE4  | ZONE5 |
| TM36HMO      | 9k+9k                 | 9,000                    | 9,000  |        |        |       | 9,500                    | 9,500  |        |        |       |
| TM36HMO      | 9k+12k                | 9,000                    | 12,000 |        |        |       | 9,429                    | 12,571 |        |        |       |
| TM36HMO      | 9k+18k                | 9,000                    | 18,000 |        |        |       | 9,500                    | 18,000 |        |        |       |
| TM36HMO      | 9k+24k                | 9,000                    | 24,000 |        |        |       | 9,500                    | 24,000 |        |        |       |
| TM36HMO      | 12k+12k               | 12,000                   | 12,000 |        |        |       | 12,000                   | 12,000 |        |        |       |
| TM36HMO      | 12k+18k               | 12,000                   | 18,000 |        |        |       | 12,000                   | 18,000 |        |        |       |
| TM36HMO      | 12k+24k               | 11,333                   | 22,667 |        |        |       | 12,000                   | 24,000 |        |        |       |
| TM36HMO      | 18k+18k               | 17,000                   | 17,000 |        |        |       | 18,000                   | 18,000 |        |        |       |
| TM36HMO      | 18k+24k               | 14,571                   | 19,429 |        |        |       | 15,429                   | 20,571 |        |        |       |
| TM36HMO      | 24k+24k               | 17,000                   | 17,000 |        |        |       | 18,000                   | 18,000 |        |        |       |
| TM36HMO      | 9k+9k+9k              | 9,000                    | 9,000  | 9,000  |        |       | 9,000                    | 9,000  | 9,000  |        |       |
| TM36HMO      | 9k+9k+12k             | 9,000                    | 9,000  | 12,000 |        |       | 9,000                    | 9,000  | 12,000 |        |       |
| TM36HMO      | 9k+9k+18k             | 8,500                    | 8,500  | 17,000 |        |       | 9,000                    | 9,000  | 18,000 |        |       |
| TM36HMO      | 9k+9k+24k             | 7,286                    | 7,286  | 19,429 |        |       | 7,714                    | 7,714  | 20,571 |        |       |
| TM36HMO      | 9k+12k+12k            | 9,000                    | 12,000 | 12,000 |        |       | 9,000                    | 12,000 | 12,000 |        |       |
| TM36HMO      | 9k+12k+18k            | 7,846                    | 10,462 | 15,692 |        |       | 8,308                    | 11,077 | 16,615 |        |       |
| TM36HMO      | 9k+12k+24k            | 6,800                    | 9,067  | 18,133 |        |       | 7,200                    | 9,600  | 19,200 |        |       |
| TM36HMO      | 9k+18k+18k            | 6,800                    | 13,600 | 13,600 |        |       | 7,200                    | 14,400 | 14,400 |        |       |
| TM36HMO      | 9k+18k+24k            | 6,000                    | 12,000 | 16,000 |        |       | 6,353                    | 12,706 | 16,941 |        |       |
| TM36HMO      | 12k+12k+12k           | 11,333                   | 11,333 | 11,333 |        |       | 12,000                   | 12,000 | 12,000 |        |       |
| TM36HMO      | 12k+12k+18k           | 9,714                    | 9,714  | 14,571 |        |       | 10,286                   | 10,286 | 15,429 |        |       |
| TM36HMO      | 12k+12k+24k           | 8,500                    | 8,500  | 17,000 |        |       | 9,000                    | 9,000  | 18,000 |        |       |
| TM36HMO      | 12k+18k+18k           | 8,500                    | 12,750 | 12,750 |        |       | 9,000                    | 13,500 | 13,500 |        |       |
| TM36HMO      | 12k+18k+24k           | 7,556                    | 11,333 | 15,111 |        |       | 8,000                    | 12,000 | 16,000 |        |       |
| TM36HMO      | 18k+18k+18k           | 11,333                   | 11,333 | 11,333 |        |       | 12,000                   | 12,000 | 12,000 |        |       |
| TM36HMO      | 9k+9k+9k+9k           | 8,500                    | 8,500  | 8,500  | 8,500  |       | 9,000                    | 9,000  | 9,000  | 9,000  |       |
| TM36HMO      | 9k+9k+9k+12k          | 7,846                    | 7,846  | 7,846  | 10,462 |       | 8,308                    | 8,308  | 8,308  | 11,077 |       |
| TM36HMO      | 9k+9k+9k+18k          | 6,800                    | 6,800  | 6,800  | 13,600 |       | 7,200                    | 7,200  | 7,200  | 14,400 |       |
| TM36HMO      | 9k+9k+9k+24k          | 6,000                    | 6,000  | 6,000  | 16,000 |       | 6,353                    | 6,353  | 6,353  | 16,941 |       |
| TM36HMO      | 9k+9k+12k+12k         | 7,286                    | 7,286  | 9,714  | 9,714  |       | 7,714                    | 7,714  | 10,286 | 10,286 |       |
| TM36HMO      | 9k+9k+12k+18k         | 6,375                    | 6,375  | 8,500  | 12,750 |       | 6,750                    | 6,750  | 9,000  | 13,500 |       |
| TM36HMO      | 9k+9k+12k+24k         | 5,667                    | 5,667  | 7,556  | 15,111 |       | 6,000                    | 6,000  | 8,000  | 16,000 |       |
| TM36HMO      | 9k+9k+18k+18k         | 5,667                    | 5,667  | 11,333 | 11,333 |       | 6,000                    | 6,000  | 12,000 | 12,000 |       |
| TM36HMO      | 9k+12k+12k+12k        | 6,800                    | 9,067  | 9,067  | 9,067  |       | 7,200                    | 9,600  | 9,600  | 9,600  |       |
| TM36HMO      | 9k+12k+12k+18k        | 6,000                    | 8,000  | 8,000  | 12,000 |       | 6,353                    | 8,471  | 8,471  | 12,706 |       |
| TM36HMO      | 12k+12k+12k+12k       | 8,500                    | 8,500  | 8,500  | 8,500  |       | 9,000                    | 9,000  | 9,000  | 9,000  |       |
| TM36HMO      | 12k+12k+12k+18k       | 7,556                    | 7,556  | 7,556  | 11,333 |       | 8,000                    | 8,000  | 8,000  | 12,000 |       |



# TOSOT

## Outline and Physical Dimensions of TM36HMO.



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10 YEAR WARRANTY PARTS/COMPRESSOR