



## SUBMITTAL DATA

TVR Smart – Four Way Cassette Round  
54.6kBtu/h – 220-240V/1Ph/50-60Hz DC Motor  
Model: 4TVC0055RF000AA

TRANE  
TECHNOLOGIES™

Job Name: \_\_\_\_\_

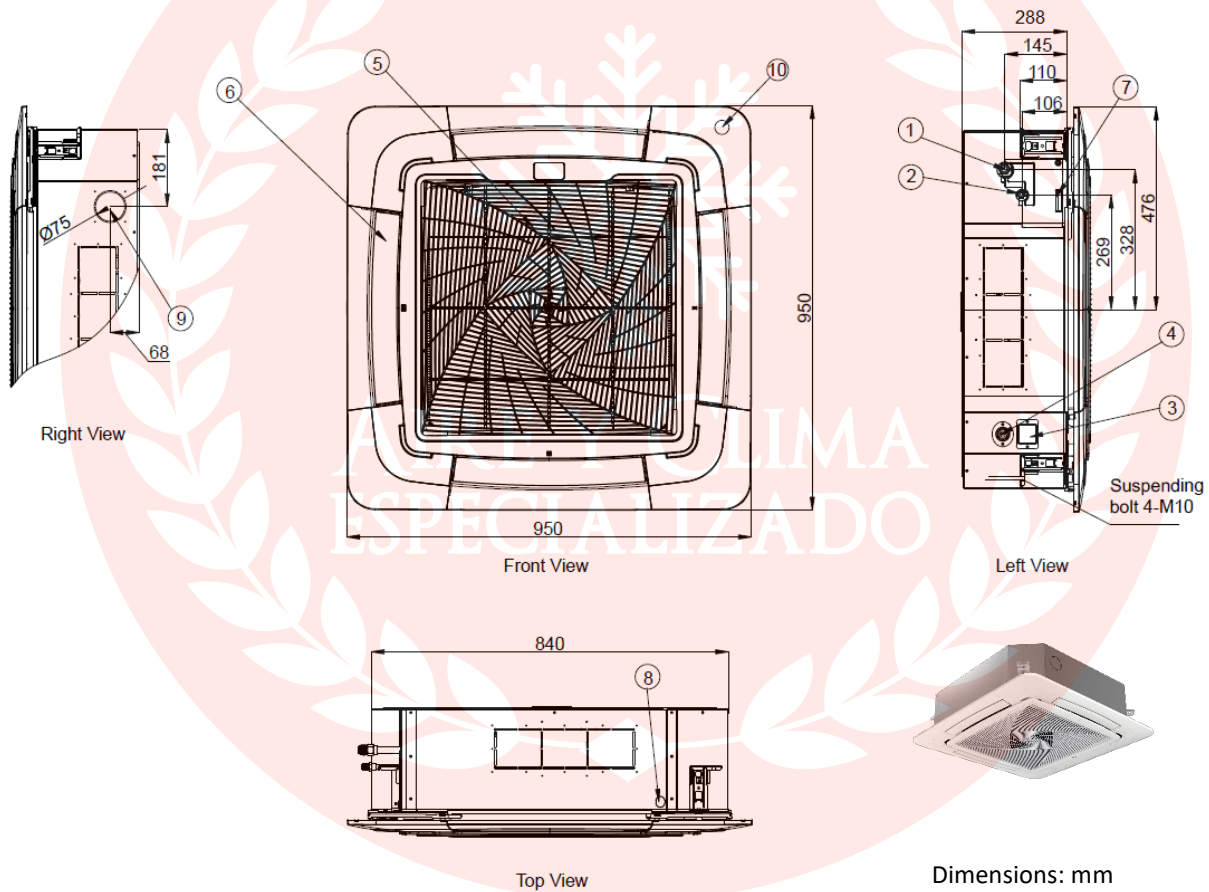
Date: \_\_\_\_\_

Reference: \_\_\_\_\_

Location: \_\_\_\_\_

### Commercial Air Conditioner > TVR Smart > Indoor Unit > 4 Way Cassette Round

#### • Overall Dimensions



Dimensions: mm

| No. | Parts Name             | No. | Parts Name                       |
|-----|------------------------|-----|----------------------------------|
| 1   | Gas pipe connection    | 6   | Air outlet                       |
| 2   | Liquid pipe connection | 7   | Power cable routing hole         |
| 3   | Inspection door        | 8   | Communication cable routing hole |
| 4   | Drain pipe connection  | 9   | Fresh air inlet                  |
| 5   | Air inlet              | 10  | Human presence sensor (optional) |



## SUBMITTAL DATA

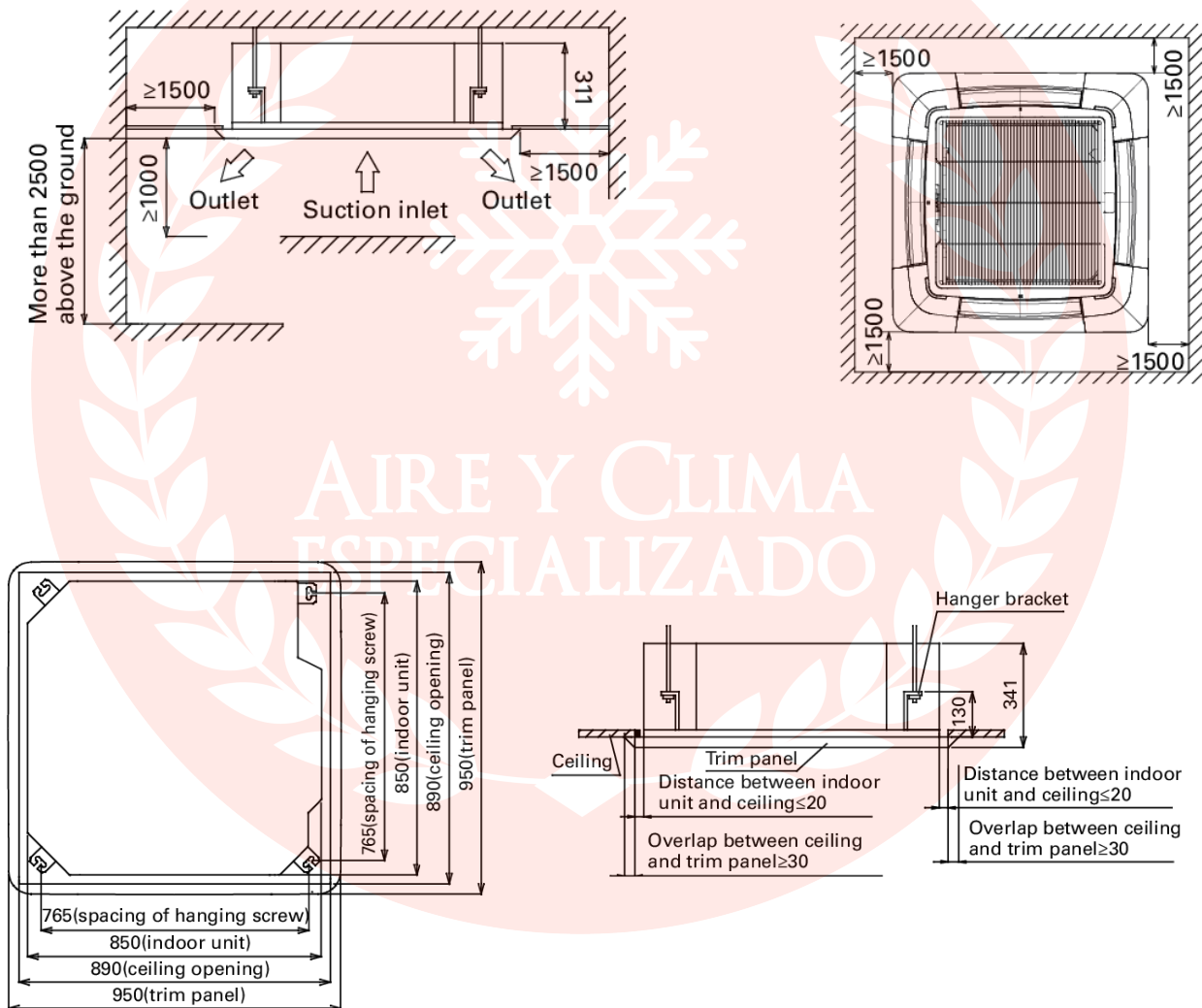
TVR Smart – Four Way Cassette Round  
54.6kBtu/h – 220-240V/1Ph/50-60Hz DC Motor  
Model: 4TVC0055RF000AA

**TRANE**  
TECHNOLOGIES™

### • Installation Space Requirements

The installation height should be kept within 2.7m.  
When the height of the ceiling exceeds 2.7m, the warm air is hard to the ground.

Space required for installation (unit: mm)





## SUBMITTAL DATA

TVR Smart – Four Way Cassette Round  
54.6kBtu/h – 220-240V/1Ph/50-60Hz DC Motor  
Model: 4TVC0055RF000AA



### • Specifications

| Model                           |                              | 4TVC0055RF000AA   |                                    |
|---------------------------------|------------------------------|-------------------|------------------------------------|
| Rated Cooling※1                 | Capacity                     | kBtu/h            | 54.6                               |
|                                 | Capacity                     | kW                | 16.0                               |
|                                 | Power Input                  | kW                | 0.114                              |
|                                 | Current                      | A                 | 0.96                               |
| Rated Heating※1                 | Capacity                     | kBtu/h            | 61.2                               |
|                                 | Capacity                     | kW                | 18.0                               |
|                                 | Power Input                  | kW                | 0.114                              |
|                                 | Current                      | A                 | 0.96                               |
| Power                           | Power Supply                 | Ph/V/Hz           | 1/220~240/50/60                    |
|                                 | Power Cable                  | mm <sup>2</sup>   | 3*2.5                              |
|                                 | Communication Cable ※2       | mm <sup>2</sup>   | ≥2*0.75                            |
|                                 | Minimum Circuit Amps(MCA)    | A                 | 1.08                               |
|                                 | Maximum Fuse Amps(MFA)       | A                 | 16                                 |
| Fan Motor                       | Brand                        | -                 | BROAD-OCEAN/WOLONG                 |
|                                 | Model                        | -                 | WZD-A02120L-01AL/<br>ZW511C500015L |
|                                 | Type                         | -                 | DC                                 |
|                                 | Power Input                  | W                 | 170                                |
|                                 | Power Output                 | W                 | 120                                |
|                                 | Full Load Amps(FLA)          | A                 | 0.86                               |
|                                 | Quantity                     | -                 | 1                                  |
|                                 | Insulation Class             | -                 | B                                  |
|                                 | IP Class                     | -                 | IP40                               |
| Fan                             | Fan Speed (SH/H/H-MMM-L/L/Q) | rpm               | 820/680/610/550/500/450/350        |
|                                 | Type                         | -                 | Axial Fan                          |
|                                 | Fan OD. Diameter             | mm                | Ø480                               |
|                                 | Number of Fans               | -                 | 1                                  |
| Airflow Rate (SH/H/H-MMM-L/L/Q) |                              | m <sup>3</sup> /h | 2220/2100/1750/1600/1460/1300/920  |
|                                 |                              | CFM               | 1306/1235/1029/941/859/765/541     |
| Heat Exchanger                  | Number of Rows               | -                 | 2                                  |
|                                 | Tube Pitch                   | mm                | 21                                 |
|                                 | Row Pitch                    | mm                | 13.3                               |
|                                 | Fin Spacing                  | mm                | 1.4                                |
|                                 | Fin Material                 | -                 | Hydrophilic aluminum               |
|                                 | Tube Outside Diameter        | mm                | Ø7                                 |
|                                 | Tube Type                    | -                 | Inner grooved                      |
|                                 | Dimension (W*D*H)            | mm                | 2127*252*26.6                      |
|                                 | Number of Circuits           | -                 | 11                                 |
| Casing                          | Color                        | -                 | Uncoated                           |
|                                 | Material                     | -                 | Galvanized steel plate             |
| Salt Spray Test Duration        |                              | Hour              | 144                                |
| Electrical Control Box IP Class |                              | -                 | IP40                               |



## SUBMITTAL DATA

TVR Smart – Four Way Cassette Round  
54.6kBtu/h – 220-240V/1Ph/50-60Hz DC Motor  
Model: 4TVC0055RF000AA



| Model                                   |                            | 4TVC0055RF000AA                 |                        |
|-----------------------------------------|----------------------------|---------------------------------|------------------------|
| Construction                            | Sheet Metal Thickness      | mm                              | 0.8                    |
|                                         | Drain Pan Material         | -                               | EPS                    |
|                                         | Drain Pan Insulation Class | -                               | HF-1                   |
|                                         | Drain Pump Head            | mm                              | 1200                   |
|                                         | Branch Outlet Option       | -                               | -                      |
| Indoor Wall                             | Material                   | -                               | Galvanized steel plate |
|                                         | Thickness                  | mm                              | 0.8                    |
|                                         | Double or Single Skin      | -                               | Single                 |
| Air Filter                              | Material                   | -                               | PP                     |
|                                         | Mesh                       | -                               | 195                    |
|                                         | Pressure Drop              | Pa                              | 5                      |
| Pipe Dimension                          | Liquid Pipe OD. Diameter   | mm                              | Ø9.52                  |
|                                         | Gas Pipe OD. Diameter      | mm                              | Ø15.88                 |
|                                         | Pipe connection method     | Gas & Liquid pipe: flared joint |                        |
|                                         | Drainage Pipe Dimension    | DN25                            |                        |
| Panel                                   | Panel Model                | -                               | FIASMFOURPNL01         |
|                                         | Color                      | -                               | Jasmine white          |
|                                         | Material                   | -                               | ABS                    |
|                                         | Dimension (W*D*H)          | mm                              | 950*950*50             |
|                                         | Package Dimension (W*D*H)  | mm                              | 1013*1035*125          |
|                                         | Net Weight                 | kg                              | 5.5                    |
|                                         | Gross Weight               | kg                              | 8                      |
| Fresh Air Hole Dimension(W*D/Diameter)  |                            | mm                              | Ø75                    |
| Weight                                  | Net Weight                 | kg                              | 26                     |
|                                         | Gross Weight               | kg                              | 32                     |
| Sound Power Level (SH/H/H-MMM-L/L/Q)    |                            | dB                              | 58/55/54/53/51/49/46   |
| Sound Pressure Level (SH/H/H-MMM-L/L/Q) |                            | dB (A)                          | 44/41/40/39/37/35/32   |
| Dimension                               | Net Dimension (W*D*H)      | mm                              | 840/840*288            |
|                                         | Package Dimension (W*D*H)  | mm                              | 978*978*353            |
| Controller                              | Standard                   | /                               | TCONTSM101DCT          |
|                                         |                            | /                               | TCONTSM101AFK          |
|                                         |                            | /                               | TCONTSM316AFK          |
|                                         |                            | /                               | TCONTSM301AFK          |
|                                         | Optional                   | /                               | TCONTSMHQS01           |
|                                         |                            | /                               | TCONTSMHRS01           |

### Notes:

※1 Rated condition:

Indoor temperature(cooling): 27°C DB/19°C WB, Outdoor temperature(cooling): 35°CDB/24°CWB.

Indoor temperature(heating): 20°C DB/15°C WB, Outdoor temperature(heating): 7°CDB/6°CWB.

The data is measured with 5m equivalent pipe and 0m height difference.

※2 Applying "Power off PMV control" function : 2 coresx1.5mm<sup>2</sup> shielded line.No-applying "Power off PMV control" function: ≥2 coresx0.75mm<sup>2</sup> shielded line.



Trane optimizes the performance of homes and buildings around the world.  
The leader in creating and sustaining safe, comfortable and energy efficient environments.  
Broad portfolio of advanced controls and HVAC systems, comprehensive building services, and parts.

For more information, visit [www.trane.com](http://www.trane.com).