

# Residential & Light Commercial Heat Pump System

**TOSHIBA**  
*Carrier*

Indoor Model: RAV-SM482CTP-UL

Outdoor Model: RAV-SP482AT2P-UL

## Submittal Data

Job Name \_\_\_\_\_ Location \_\_\_\_\_  
Tag \_\_\_\_\_



A221038

### OUTDOOR UNIT STANDARD FEATURES

- Digital inverter compressor technology
- System can operate in cooling only mode with heating locked out
- Line lengths up to 246 ft
- Low-ambient cooling down to 5°F
- System diagnostics

| OUTDOOR UNIT MODEL        |       | RAV-SP482AT2P-UL |
|---------------------------|-------|------------------|
| SYSTEM PERFORMANCE        |       |                  |
| Nominal Cooling Capacity† | Btu/h | 48,000           |
| SEER                      |       | 18.4             |
| EER                       |       | 8.8              |
| Nominal Heating Capacity† | Btu/h | 54,000           |
| HSPF                      |       | 11.0             |
| COP                       |       | 11.1             |
| REFRIGERANT LINES         |       |                  |
| Total Piping Length       | ft    | 246              |
| Vertical Lift             | ft    | 98               |
| Suction Line Size         | in    | 5/8              |
| Liquid Line Size          | in    | 3/8              |
| AMBIENT OPERATING RANGE   |       |                  |
| Cooling DB Min ~ Max      | F     | -13~115          |
| Heating DB Min ~ Max      | F     | -13~59           |
| REFRIGERANT               |       | R410A            |
| FACTORY CHARGE            | lbs   | 7.3              |

| AIRFLOW                                |         |              |
|----------------------------------------|---------|--------------|
| Cooling                                | CFM     | 4540         |
| Heating                                | CFM     | 4060         |
| SOUND PRESSURE LEVEL                   |         |              |
| Cooling                                | db(A)   | 60           |
| Heating                                | db(A)   | 60           |
| ELECTRICAL                             |         |              |
| Power Supply                           | V/Ph/Hz | 208-230/1/60 |
| Minimum Circuit Amps (MCA)             | A       | 32           |
| Recommended Fuse Size                  | A       | 40           |
| Maximum Over Current Protection (MOCP) | A       | 40           |
| PHYSICAL DATA                          |         |              |
| Unit Width                             | in      | 35-3/8       |
| Unit Height                            | in      | 52-3/4       |
| Unit Length                            | in      | 12-5/8       |
| Unit Weight - Net / Gross              | lbs     | 234 / 247    |

### Legend

**db** — Dry Bulb  
**SEER** — Seasonal Energy Efficiency Ratio  
**HSPF** — Heating Seasonal Performance Factor  
**wb** — Wet Bulb

†Rated per AHRI (Air-Conditioning, Heating and Refrigeration Institute) 210/240 Standard.  
Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db  
Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb



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#### RAV-SM482CTP-UL UNDER CEILING FEATURES

- R-410A refrigerant
- Six sizes from 18,000 to 48,000 Btu/h
- Outside Air Knockout
- Quiet operation (as low as 41 dBA)
- Vertical airflow can be set to swing or fixed position
- Auto or manually set three fan speeds
- Easy to remove cleanable filter

|                          |         |                      |
|--------------------------|---------|----------------------|
| INDOOR UNIT MODEL        |         | RAV-SM482CTP-UL      |
| PERFORMANCE              |         |                      |
| Cooling Rated Capacity   | Btu/h   | 48,000               |
| Heating Rated Capacity   | Btu/h   | 54,000               |
| Fan Type (Qty)           |         | Centrifugal (3)      |
| Airflow (H/M/L)          | CFM     | 1250/1125/925        |
| Sound Pressure (H/M/L)   | dBA     | 47/45/41             |
| ELECTRICAL               |         |                      |
| Power Supply             | V/Ph/Hz | From ODU             |
| FILTER                   |         |                      |
| Type                     |         | Washable             |
| Quantity                 |         | 2                    |
| MERV Corresponding Value |         | 5                    |
| Dimensions (H x W x D)   | in.     | 9-3/4 x 29-1/8 x 1/2 |

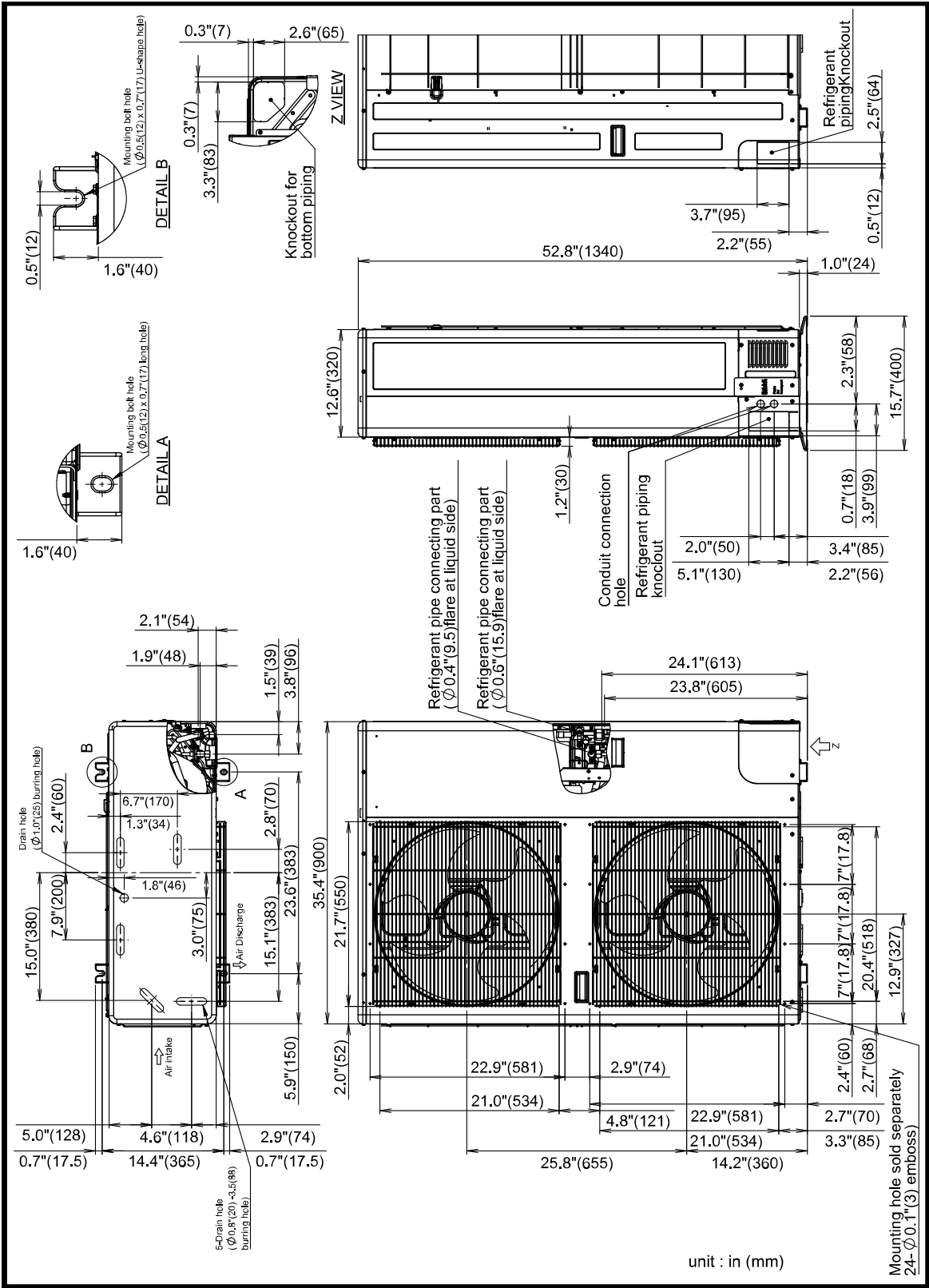
|                                               |    |              |
|-----------------------------------------------|----|--------------|
| PHYSICAL DATA                                 |    |              |
| Pipe Connection Size - Liquid (High Pressure) | in | 3/8 (Flare)  |
| Pipe Connection Size - Gas (Low Pressure)     | in | 5/8 (Flare)  |
| Condensate Drain Connection                   | in | 1            |
| Refrigerant                                   |    | R-410A       |
| External Finish                               |    | Munsell N9.1 |
| Unit Width                                    | in | 62-1/2       |
| Unit Height                                   | in | 9-1/4        |
| Unit Depth                                    | in | 27-1/4       |
| Unit Net Weight                               | lb | 84           |
| MOTOR                                         |    |              |
| Motor Type                                    |    | DC           |
| Motor Watts                                   | W  | 139          |

#### ACCESSORIES

- ☐ Wired Remote Controller (7-Day Programmable) RBC-AMS54E-UL
- ☐ Simple Wired Remote Controller RBC-AS41UL
- ☐ Stand-Alone Receiver with Wireless Remote Controller TCB-AX32UL
- ☐ Integral Receiver with Wireless Remote RBC-AX33C-UL
- ☐ Remote Sensor TCB-TC41LUL
- ☐ Wired Remote Controller RBC-AMT32UL
- ☐ Elbow Piping Kit TCB-KP24CPE
- ☐ Condensate Drain Pump Kit TCB-DP31CE
- ☐ Auxiliary Outside Air Flange TCB-FF101URUL

# DIMENSIONAL DRAWING

## OUTDOOR UNIT RAV-SP482AT2P-UL

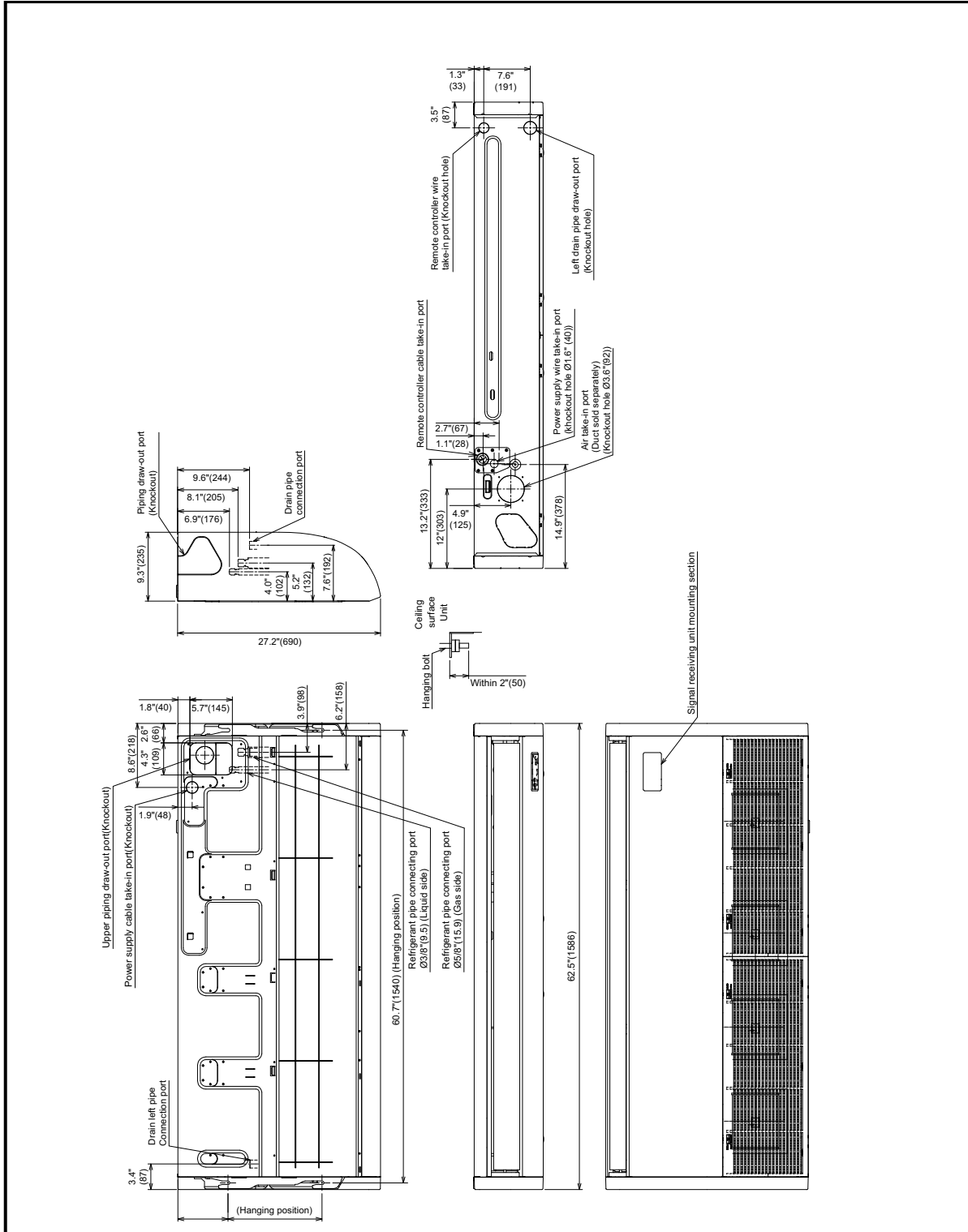


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# DIMENSIONAL DRAWING

## INDOOR UNIT UNDER CEILING RAV-SP482CTP-UL



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