

# Residential & Light Commercial Heat Pump System

**TOSHIBA**  
*Carrier*

Indoor Model: RAV-SM182KRTP-UL  
Outdoor Model: RAV-SP182AT2P-UL

## Submittal Data

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



A220922

### OUTDOOR UNIT STANDARD FEATURES

- Digital inverter compressor technology
- System can operate in cooling only mode with heating locked out
- Line lengths up to 164 ft
- Low-ambient cooling down to 5°F
- System diagnostics

| OUTDOOR UNIT MODEL        |       | RAV-SP182AT2P-UL |
|---------------------------|-------|------------------|
| SYSTEM PERFORMANCE        |       |                  |
| Nominal Cooling Capacity† | Btu/h | 18,000           |
| SEER2                     |       | 23.80            |
| EER2                      |       | 12.00            |
| Nominal Heating Capacity† | Btu/h | 20,000           |
| HSPF2                     |       | 10.30            |
| COP2                      |       | 3.40             |
| REFRIGERANT LINES         |       |                  |
| Total Piping Length       | ft    | 164              |
| Vertical Lift             | ft    | 98               |
| Suction Line Size         | in    | 1/2              |
| Liquid Line Size          | in    | 1/4              |
| AMBIENT OPERATING RANGE   |       |                  |
| Cooling DB Min ~ Max      | F     | 5~115            |
| Heating DB Min ~ Max      | F     | -13~59           |
| REFRIGERANT               |       | R410A            |
| FACTORY CHARGE            | lbs   | 3.80             |

| AIRFLOW                                |         |              |
|----------------------------------------|---------|--------------|
| Cooling                                | CFM     | 1590         |
| Heating                                | CFM     | 1590         |
| SOUND PRESSURE LEVEL                   |         |              |
| Cooling                                | db(A)   | 48           |
| Heating                                | db(A)   | 52           |
| ELECTRICAL                             |         |              |
| Power Supply                           | V/Ph/Hz | 208-230/1/60 |
| Minimum Circuit Amps (MCA)             | A       | 14           |
| Recommended Fuse Size                  | A       | 15           |
| Maximum Over Current Protection (MOCP) | A       | 25           |
| PHYSICAL DATA                          |         |              |
| Unit Width                             | in      | 30-3/4       |
| Unit Height                            | in      | 21-3/4       |
| Unit Length                            | in      | 11-3/8       |
| Unit Weight - Net / Gross              | lbs     | 99 / 106     |

### 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



## RAV-SM182KRTP-UL HIGH WALL FEATURES

- R-410A refrigerant
- Five sizes from 12,000 to 36,000 Btu/h
- Quiet operation (as low as 32 dBA)
- Auto or manually set three fan speeds
- Easy to remove cleanable filter

|                          |         |                        |
|--------------------------|---------|------------------------|
| INDOOR UNIT MODEL        |         | RAV-SM182KRTP-UL       |
| PERFORMANCE              |         |                        |
| Cooling Rated Capacity   | Btu/h   | 18,000                 |
| Heating Rated Capacity   | Btu/h   | 20,000                 |
| Fan Type (Qty)           |         | Turbo (1)              |
| Airflow (H/M/L)          | CFM     | 530/424/324            |
| Sound Pressure (H/M/L)   | dBA     | 41/37/32               |
| ELECTRICAL               |         |                        |
| Power Supply             | V/Ph/Hz | From ODU               |
| FILTER                   |         |                        |
| Type                     |         | Washable               |
| Quantity                 |         | 2                      |
| MERV Corresponding Value |         | 5                      |
| Dimensions (W x L x D)   | in.     | 15-3/4 x 16-3/8 x 1/16 |

|                                               |    |                      |
|-----------------------------------------------|----|----------------------|
| PHYSICAL DATA                                 |    |                      |
| Pipe Connection Size - Liquid (High Pressure) | in | 1/4 (Flare)          |
| Pipe Connection Size - Gas (Low Pressure)     | in | 1/2 (Flare)          |
| Condensate Drain Connection                   | in | 7/8                  |
| External Finish                               |    | Munsell 2.5GY9.0/0.5 |
| Unit Width                                    | in | 41-3/8               |
| Unit Height                                   | in | 12-5/8               |
| Unit Depth                                    | in | 9-7/8                |
| Unit Net Weight                               | lb | 33                   |
| MOTOR                                         |    |                      |
| Motor Type                                    |    | DC                   |
| Motor Watts                                   | W  | 30                   |

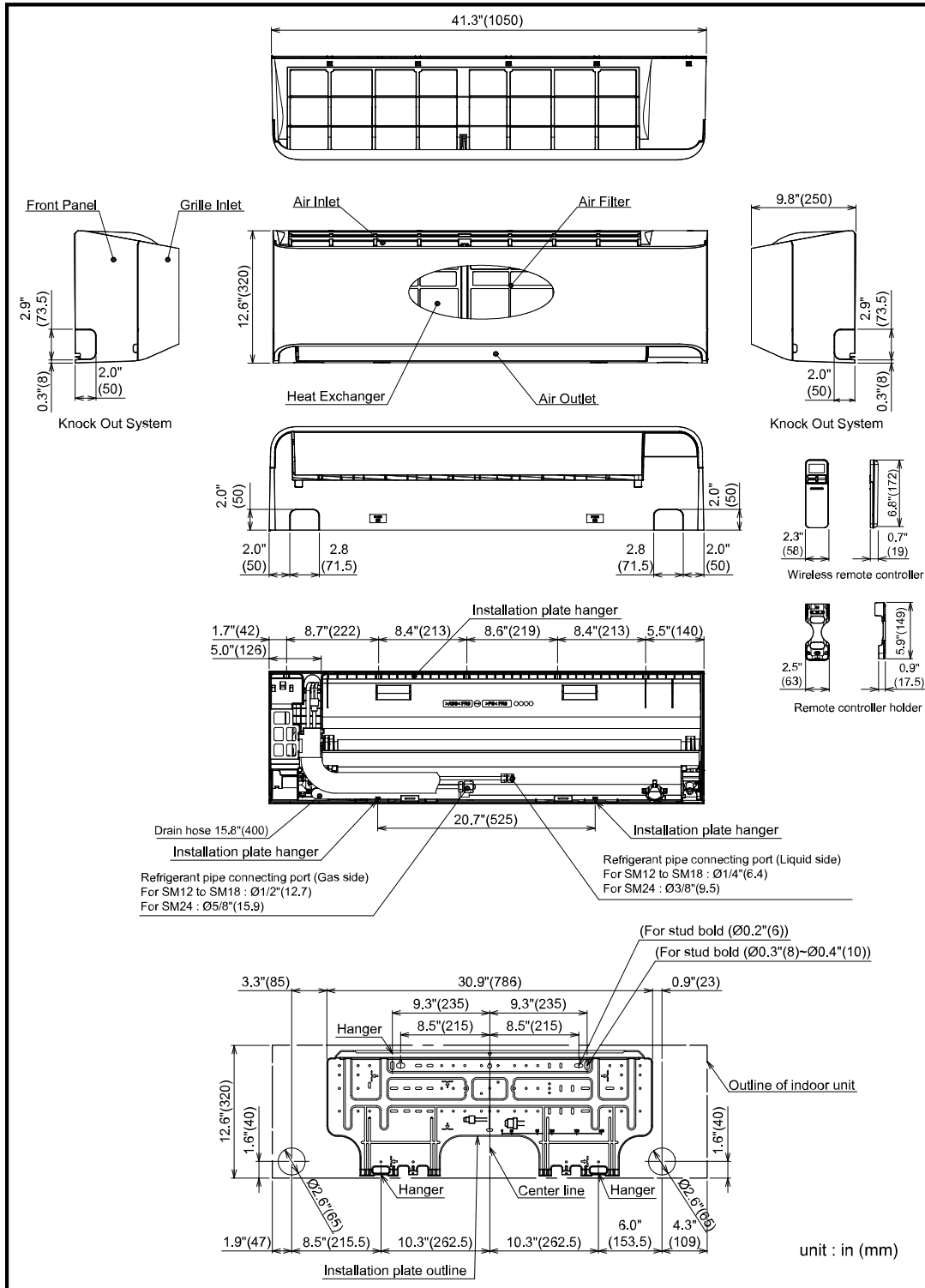
## ACCESSORIES

- ☐ Wired Remote Controller (7-Day Programmable) RBC-AMS54E-UL
- ☐ Simple Wired Remote Controller RBC-AS41UL
- ☐ Remote Sensor TCB-TC41LUL
- ☐ Wired Remote Controller RBC-AMT32UL
- ☐ Condensate Drain Pipe Kit 53DS-900---118

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# DIMENSIONAL DRAWING

## INDOOR UNIT HIGH WALL RAV-SP182KRTP-UL



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