



Submittal Data Sheet  
2.5-Ton Mini-Split with Heat Pump  
FTX30WVJU9RX30WMVJU

| Model                                      | Indoor Unit    |             | FTX30WVJU9                                                                                                                                           |                           |
|--------------------------------------------|----------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
|                                            | Outdoor Unit   |             | RX30WMVJU9                                                                                                                                           |                           |
|                                            |                |             | Cooling                                                                                                                                              | Heating                   |
| Power Supply                               |                |             | 1 $\phi$ , 208 - 230 V, 60 Hz                                                                                                                        |                           |
| Capacity                                   | Rated          | Btu/h       | 31,400 - 31,400                                                                                                                                      | 34,800 - 34,800           |
|                                            | Min.           | Btu/h       | 10,200 -10,200                                                                                                                                       | 10,200 -10,200            |
|                                            | Max.           | Btu/h       | 31,400 - 31,400                                                                                                                                      | 34,800 - 34,800           |
| Running Current (Rated)                    |                | A           | 15.70 - 14.20                                                                                                                                        | 17.30 - 15.60             |
| Power Consumption (Rated)                  |                | W           | 3,188 - 3,188                                                                                                                                        | 3,490 - 3,490             |
| Power Factor (Rated)                       |                | %           | 97.6 - 97.6                                                                                                                                          | 97.0 - 97.3               |
| SEER2 / HSPF2                              |                |             | 17.50                                                                                                                                                | 7.50                      |
| EER2 (Rated)                               |                | Btu/h·W     | 9.85                                                                                                                                                 | —                         |
| COP2 (Rated)                               |                | W/W         | —                                                                                                                                                    | 2.90                      |
| Piping Connections                         | Liquid         | in. (mm)    | $\phi$ 1/4 (6.4)                                                                                                                                     |                           |
|                                            | Gas            | in. (mm)    | $\phi$ 5/8 (15.9)                                                                                                                                    |                           |
|                                            | Drain          | in. (mm)    | $\phi$ 5/8 (16)                                                                                                                                      |                           |
| Heat Insulation                            |                |             | Both Liquid and Gas Pipes                                                                                                                            |                           |
| Max. Interunit Piping Length               |                | ft (m)      | 98-1/2 (30)                                                                                                                                          |                           |
| Max. Interunit Height Difference           |                | ft (m)      | 65-5/8 (20)                                                                                                                                          |                           |
| Chargeless                                 |                | ft (m)      | 32-3/4 (10)                                                                                                                                          |                           |
| Amount of Additional Charge of Refrigerant |                | oz/ft (g/m) | 0.32 (30)                                                                                                                                            |                           |
| Cooling Range                              |                |             | 50 <sup>0</sup> to 115 <sup>0</sup> F (Extended operation to -22 <sup>0</sup> to 115 <sup>0</sup> F with facility setting and air adjustment grille) |                           |
| Indoor Unit                                |                |             | FTX30WVJU9                                                                                                                                           |                           |
| Front Panel Color                          |                |             | White (N9.5)                                                                                                                                         |                           |
| Airflow Rate                               | H / M / L / SL | cfm         | 890 / 727 / 572 / 512                                                                                                                                | 960 / 791 / 629 / 544     |
|                                            |                | m3/min      | 25.2 / 20.6 / 16.2 / 14.5                                                                                                                            | 27.2 / 22.4 / 17.8 / 15.4 |
| Fan                                        | Type / Speed   | Steps       | Cross Flow Fan / 5 Steps, Quiet, Auto                                                                                                                |                           |
| Air Direction Control                      |                |             | Right, Left, Horizontal, Downward                                                                                                                    |                           |
| Air Filter                                 |                |             | Removable, Washable                                                                                                                                  |                           |
| Running Current (Rated)                    |                | A           | 0.77 - 0.70                                                                                                                                          | 0.82 - 0.75               |
| Power Consumption (Rated)                  |                | W           | 90 - 90                                                                                                                                              | 95 - 95                   |
| Power Factor (Rated)                       |                | %           | 56.2 - 55.9                                                                                                                                          | 55.7 - 55.1               |
| Temperature Control                        |                |             | Microcomputer Control                                                                                                                                |                           |
| Dimensions (H × W × D)                     |                | in. (mm)    | 13-3/8 × 47-1/4 × 10-3/16 (340 × 1,200 × 259)                                                                                                        |                           |
| Weight (Mass)                              |                | lbs (kg)    | 38 (17)                                                                                                                                              |                           |
| Sound Pressure Level                       | H / M / L / SL | dB(A)       | 53 / 47 / 40 / 37                                                                                                                                    | 53 / 46 / 38 / 35         |

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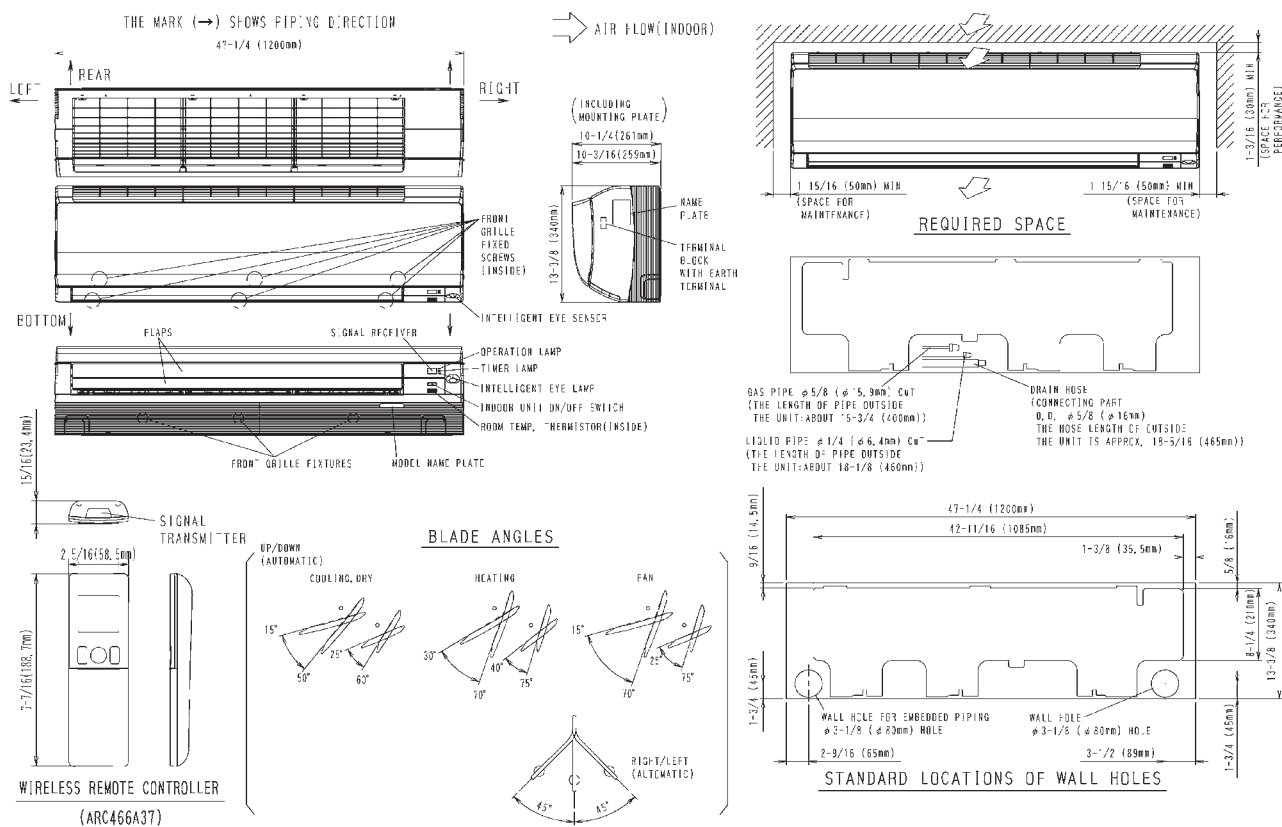
Submittal Data Sheet  
 2.5-Ton Mini-Split with Heat Pump  
 FTX30WVJU9RX30WMVJU

| Outdoor Unit              |                 |                 | RX30WMVJU9                                           |                                         |
|---------------------------|-----------------|-----------------|------------------------------------------------------|-----------------------------------------|
| Casing Color              |                 |                 | Ivory White                                          |                                         |
| Heat Exchanger            | Fin Spec / Tube |                 | Waffle Fin / φ 7 Hi-XSL Tube                         |                                         |
| Fan Motor                 | Motor Output    | HP              | 0.16                                                 |                                         |
| Compressor                | Type            |                 | Hermetically Sealed Swing Type                       |                                         |
|                           | Model           |                 | 2YC63AAXD                                            |                                         |
| Refrigerant Oil           | Type            |                 | FVC50K                                               |                                         |
|                           | Charge          | oz (L)          | 30.43 (0.900)                                        |                                         |
| Refrigerant               | Type            |                 | R-410A                                               |                                         |
|                           | Charge          | lbs (kg)        | 3.64 (1.65)                                          |                                         |
| Airflow Rate              |                 | cfm<br>(m3/min) | 2,528 (71.6)                                         | 2,274 (64.4)                            |
| Fan                       | Type            |                 | Propeller                                            |                                         |
| Running Current (Rated)   |                 | A               | 14.93 - 13.50                                        | 16.48 - 14.85                           |
| Power Consumption (Rated) |                 | W               | 3,098 - 3,098                                        | 3,395 - 3,395                           |
| Power Factor (Rated)      |                 | %               | 99.8 - 99.8                                          | 99.0 - 99.4                             |
| Dimensions (H × W × D)    |                 | in. (mm)        | 28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)         |                                         |
| Weight (Mass)             |                 | lbs (kg)        | 133 (60)                                             |                                         |
| Sound Pressure Level      |                 | dB(A)           | 56                                                   | 58                                      |
| Conditions Based on       | Indoor          |                 | 80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)            | 70.0°FDB (21.1°CDB)/ 60.0°FWB(15.6°CWB) |
|                           | Outdoor         |                 | 95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)            | 47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB) |
|                           | Piping Length   |                 | 25 ft (7.5 m)                                        |                                         |
| Note(s)                   |                 |                 | SL: The quiet fan level of the airflow rate setting. |                                         |

## 4. Dimensions

### 4.1 Indoor Unit

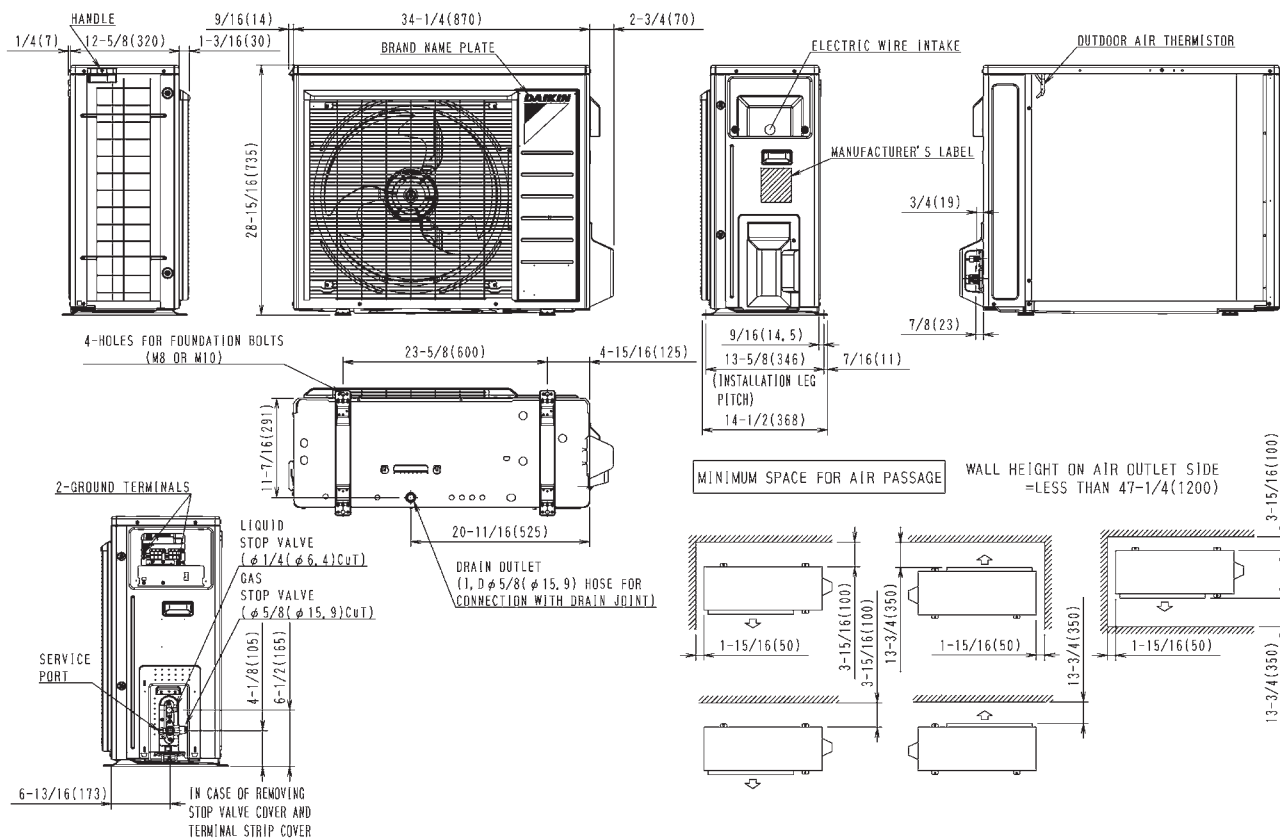
#### FTX30/36WVJU9



3D107868

## 4.2 Outdoor Unit

### RK30/36WMVJU9, RX30/36WMVJU9



3D107983A

## 10. Electric Characteristics

| Indoor Unit | Outdoor Unit | Power Supply                   |                                        |      |     | Compressor | OFM  |     |      | IFM  |    |      |
|-------------|--------------|--------------------------------|----------------------------------------|------|-----|------------|------|-----|------|------|----|------|
|             |              | Hz - Volts                     | Voltage Range                          | MCA  | MFA |            | Hp   | W   | FLA  | Hp   | W  | FLA  |
| FTX30WVJU9  | RK30WMVJU9   | 60 Hz - 208 V<br>60 Hz - 230 V | Max. 60 Hz, 253 V<br>Min. 60 Hz, 187 V | 16.6 | 20  | 16.3       | 0.16 | 122 | 0.77 | 0.09 | 64 | 0.37 |
| FTX36WVJU9  | RK36WMVJU9   | 60 Hz - 208 V<br>60 Hz - 230 V | Max. 60 Hz, 253 V<br>Min. 60 Hz, 187 V | 16.6 | 20  | 16.3       | 0.16 | 122 | 0.77 | 0.09 | 64 | 0.37 |
| FTX30WVJU9  | RX30WMVJU9   | 60 Hz - 208 V<br>60 Hz - 230 V | Max. 60 Hz, 253 V<br>Min. 60 Hz, 187 V | 18.6 | 20  | 18.3       | 0.16 | 122 | 0.77 | 0.09 | 64 | 0.37 |
| FTX36WVJU9  | RX36WMVJU9   | 60 Hz - 208 V<br>60 Hz - 230 V | Max. 60 Hz, 253 V<br>Min. 60 Hz, 187 V | 18.6 | 20  | 18.3       | 0.16 | 122 | 0.77 | 0.09 | 64 | 0.37 |

### Symbols:

|        |                          |         |
|--------|--------------------------|---------|
| MCA    | : Min. circuit amps      | (A)     |
| MFA    | : Max. fuse amps         | (A)     |
| RLA    | : Rated load amps        | (A)     |
| OFM    | : Outdoor fan motor      |         |
| IFM    | : Indoor fan motor       |         |
| FLA    | : Full load amps         | (A)     |
| W / Hp | : Fan motor rated output | (W, Hp) |

### Notes:

1. RLA is the max current that comes in cooling operation and heating operation.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.

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