15 Series

High-Efficiency
Wall-Mounted Ductless Systems

Performance:
- 15 SEER
- Up to 12.2 EER
- 8.2 HSPF

Product Features
- Inverter Compressor
- 208/230/1 Power Supply
- Cooling Range: 50° - 115° F
- Heating Range: 5° - 75° F
- Pre-charged for up to 33 ft of Liquid Line
- Indoor Sound Pressure as Low as 19 dB(A)
- Outdoor Sound Pressures as Low as 46 dB(A)
- Washable Air Filter
- Econo Mode
- Program Dry Function
- Powerful Operation Mode
- Wireless Remote Controller
- Outdoor Unit Quiet Operation
- Auto Changeover (Heat Pump Only)
- Auto Fan Speed Control
- Self-Diagnostics with Digital Display
- Auto Restart after Power Failure
- Anti-Corrosion Treatment on Heat Exchanger
- Max Piping (09/12 MBH): 49’ Length, 39’ Height
- Max Piping (18/24 MBH): 98’ Length, 66’ Height

* Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration and some of the additional requirements are not required in California or Quebec.
### Nomenclature

<table>
<thead>
<tr>
<th>Indoor Type</th>
<th>System Type</th>
<th>Efficiency Level</th>
<th>Standard Compatibility</th>
<th>Power Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT X N 18</td>
<td>X R-410A, Heat Pump</td>
<td>09 -- 9,000 BTU/h</td>
<td>U -- United States</td>
<td>VJ -- Single Phase 208/230V</td>
</tr>
<tr>
<td>VJ U</td>
<td>K R-410A, Cooling Only</td>
<td>12 -- 12,000 BTU/h</td>
<td>No or NM -- Major Design Category</td>
<td></td>
</tr>
<tr>
<td></td>
<td>N Standard</td>
<td>15 -- 15,000 BTU/h</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>S High</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>_ Mid (blank)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>L Low Ambient</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Indoor Type
- **F**: Indoor Unit
- **FD**: Slim Duct
- **FT**: Wall Mount
- **FV**: Floor Mount

#### System Type
- **X**: R-410A, Heat Pump
- **K**: R-410A, Cooling Only

#### Efficiency Level
- **G**: Highest
- **Q**: R-410A Heat Pump
- **N**: Standard
- **S**: High
- **_**: Mid (blank)
- **L**: Low Ambient

#### Standard Compatibility
- **U**: United States

#### Power Supply
- **VJ**: Single Phase 208/230V

#### Capacity
- **09**: 9,000 BTU/h
- **12**: 12,000 BTU/h
- **15**: 15,000 BTU/h
- **18**: 18,000 BTU/h
- **24**: 24,000 BTU/h
### System Performance

<table>
<thead>
<tr>
<th>Nominal Capacity Class</th>
<th>9,000</th>
<th>12,000</th>
<th>18,000</th>
<th>24,000</th>
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</thead>
<tbody>
<tr>
<td>Cooling Capacity (Rated)</td>
<td>BTU/h</td>
<td>9,000</td>
<td>12,000</td>
<td>17,100</td>
</tr>
<tr>
<td>Cooling Capacity (Min – Max)</td>
<td>BTU/h</td>
<td>4,400-10,000</td>
<td>4,400-13,000</td>
<td>5,100-18,000</td>
</tr>
<tr>
<td>Heating Capacity (Rated)*</td>
<td>BTU/h</td>
<td>9,000</td>
<td>12,000</td>
<td>18,000</td>
</tr>
<tr>
<td>Heating Capacity (Min – Max)*</td>
<td>BTU/h</td>
<td>4,400-10,000</td>
<td>4,400-14,000</td>
<td>5,100-19,100</td>
</tr>
</tbody>
</table>

#### Electrical Data

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>V/Ph/Hz</th>
<th>208-230 / 1 / 60</th>
<th>208-230 / 1 / 60</th>
<th>208-230 / 1 / 60</th>
<th>208-230 / 1 / 60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Circuit Amps</td>
<td>A</td>
<td>7.9 Cool / 10.1 Heat</td>
<td>8.6 Cool / 10.1 Heat</td>
<td>9.5 Cool / 13.3 Heat</td>
<td>18.3</td>
</tr>
<tr>
<td>Maximum Overcurrent Protection</td>
<td>A</td>
<td>15</td>
<td>15</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Power Consumption - Cooling</td>
<td>kW</td>
<td>0.9</td>
<td>1.1</td>
<td>1.4</td>
<td>2.4</td>
</tr>
<tr>
<td>Power Consumption - Heating*</td>
<td>kW</td>
<td>0.7</td>
<td>0.9</td>
<td>1.4</td>
<td>1.8</td>
</tr>
</tbody>
</table>

### Indoor Wall-Mounted Units

<table>
<thead>
<tr>
<th>Indoor Model Name</th>
<th>Cooling Only</th>
<th>Heat Pump</th>
<th>FTKN09NMVJU</th>
<th>FTKN12NMVJU</th>
<th>FTKN18NMVJU</th>
<th>FTKN24NMVJU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture Removal</td>
<td>Q/hr</td>
<td>1.3</td>
<td>1.8</td>
<td>4.1</td>
<td>4.8</td>
<td></td>
</tr>
<tr>
<td>Airflow-Wet (H/M/L/SL)</td>
<td>CFM</td>
<td>11.4/ 8.1/ 6.2/ 4.1</td>
<td>12/ 8.5/ 7.0/ 4.0</td>
<td>20.2/ 16.4/ 12.9/ 11.8</td>
<td>20.2/ 16.4/ 13.9/ 11.8</td>
<td></td>
</tr>
<tr>
<td>Airflow-Dry (H/M/L/SL)*</td>
<td>CFM</td>
<td>11.5/ 9.0/ 7.0/ 6.1</td>
<td>11.7/ 9.1/ 7.0/ 6.0</td>
<td>18.7/ 16.1/ 13.3/ 11.9</td>
<td>21.1/ 17.1/ 13.3/ 11.9</td>
<td></td>
</tr>
<tr>
<td>Sound Pressure - Cooling (H/M/L/SL)</td>
<td>dB(A)</td>
<td>43/ 35/ 27/ 19</td>
<td>44/ 36/ 30/ 19</td>
<td>48/ 44/ 38/ 33</td>
<td>51/ 45/ 39/ 34</td>
<td></td>
</tr>
<tr>
<td>Sound Pressure - Heating (H/M/L/SL)*</td>
<td>dB(A)</td>
<td>43/ 35/ 28/ 25</td>
<td>44/ 36/ 29/ 26</td>
<td>48/ 42/ 37/ 33</td>
<td>41/ 43/ 37/ 34</td>
<td></td>
</tr>
<tr>
<td>Piping Connections</td>
<td>Liquid (O.D.)</td>
<td>in.</td>
<td>Ø ¼</td>
<td>Ø ¼</td>
<td>Ø ¼</td>
<td>Ø ¼</td>
</tr>
<tr>
<td>Gas (O.D.)</td>
<td>in.</td>
<td>Ø ¼</td>
<td>Ø ¼</td>
<td>Ø ¼</td>
<td>Ø ¼</td>
<td></td>
</tr>
<tr>
<td>Condensate Drain</td>
<td>in.</td>
<td>Ø ¼</td>
<td>Ø ¼</td>
<td>Ø ¾</td>
<td>Ø ¾</td>
<td></td>
</tr>
<tr>
<td>Dimensions (H x W x D)</td>
<td>in.</td>
<td>11¼ x 30⅜ x 8¾</td>
<td>11⅝ x 39 x 10⅜</td>
<td>20.2 x 16.4 x 12.9</td>
<td>20.2 x 16.4 x 13.9</td>
<td></td>
</tr>
<tr>
<td>Net Weight</td>
<td>lbs.</td>
<td>18</td>
<td>18</td>
<td>26</td>
<td>26</td>
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</tr>
</tbody>
</table>

### Outdoor Units

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Cooling Only</th>
<th>Heat Pump</th>
<th>RKN09NMVJU</th>
<th>RKN12NMVJU</th>
<th>RKN18NMVJU</th>
<th>RKN24NMVJU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sound Pressure Level - Cooling/Heating*</td>
<td>dB(A)</td>
<td>46/ 48</td>
<td>49/ 49</td>
<td>54/ 54</td>
<td>55/ 55</td>
<td></td>
</tr>
<tr>
<td>Operating Range - Cooling</td>
<td>°F DB</td>
<td>50 - 115</td>
<td>50 - 115</td>
<td>50 - 115</td>
<td>50 - 115</td>
<td></td>
</tr>
<tr>
<td>Operating Range - Heating*</td>
<td>°F DB</td>
<td>5 - 75</td>
<td>5 - 75</td>
<td>5 - 75</td>
<td>5 - 75</td>
<td></td>
</tr>
<tr>
<td>Max. Piping Length</td>
<td>ft.</td>
<td>49</td>
<td>49</td>
<td>98.4</td>
<td>98.4</td>
<td></td>
</tr>
<tr>
<td>Max. Piping Height</td>
<td>ft.</td>
<td>39</td>
<td>39</td>
<td>65.6</td>
<td>65.6</td>
<td></td>
</tr>
<tr>
<td>Dimensions (H x W x D)</td>
<td>in.</td>
<td>21¼ x 26½ x 11½</td>
<td>29 x 34¼ x 12½</td>
<td>29 x 34¼ x 12½</td>
<td>29 x 34¼ x 12½</td>
<td></td>
</tr>
<tr>
<td>Net Weight</td>
<td>lbs.</td>
<td>53</td>
<td>53</td>
<td>97</td>
<td>97</td>
<td></td>
</tr>
</tbody>
</table>

*Applicable to heat pump models only
### Dimensions — Indoor Units

**FTKN24NMVJU**

- **MODEL NAME PLATE**
- **FLAPS**
- **WIRELESS REMOTE CONTROLLER (ARC490A7)**
- **SIGNAL TRANSMITTER**
- **WALL HOLE FOR EMBEDDED PIPING**
- **SIGNAL RECEIVER**
- **ROOM TEMP. THERMISTOR (INSIDE)**
- **INDOOR UNIT ON/OFF SWITCH**
- **FRONT PANEL FIXING SCREWS (INSIDE)**
- **TERMINAL BLOCK WITH GROUND TERMINAL (INSIDE)**
- **UP AND DOWN WIND DIRECTION CONTROL BLADE MOVABLE RANGE**
- **REQUIRED SPACE**
- **DRAIN HOSE**
- **LIQUID PIPE**
- **GAS PIPE**
- **WIRELESS REMOTE CONTROLLER (ARC480A7)**
- **ROOM TEMP. THERMISTOR (INSIDE)**
- **MODEL NAME PLATE**
- **SIGNAL TRANSMITTER**
- **WIRELESS REMOTE CONTROLLER (ARC490A7)**
- **SIGNAL RECEIVER**
- **ROOM TEMP. THERMISTOR (INSIDE)**
- **INDOOR UNIT ON/OFF SWITCH**
- **FRONT PANEL FIXING SCREWS (INSIDE)**
- **TERMINAL BLOCK WITH GROUND TERMINAL (INSIDE)**
- **UP AND DOWN WIND DIRECTION CONTROL BLADE MOVABLE RANGE**
- **REQUIRED SPACE**
- **DRAIN HOSE**
- **LIQUID PIPE**
- **GAS PIPE**

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**FTX09/12NMVJU**

- **MODEL NAME PLATE**
- **FLAPS**
- **WIRELESS REMOTE CONTROLLER (ARC490A7)**
- **SIGNAL TRANSMITTER**
- **WALL HOLE FOR EMBEDDED PIPING**
- **SIGNAL RECEIVER**
- **ROOM TEMP. THERMISTOR (INSIDE)**
- **INDOOR UNIT ON/OFF SWITCH**
- **FRONT PANEL FIXING SCREWS (INSIDE)**
- **TERMINAL BLOCK WITH GROUND TERMINAL (INSIDE)**
- **UP AND DOWN WIND DIRECTION CONTROL BLADE MOVABLE RANGE**
- **REQUIRED SPACE**
- **DRAIN HOSE**
- **LIQUID PIPE**
- **GAS PIPE**

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**SS-RKN15**

www.daikincomfort.com
Dimensions — Outdoor Unit

RKN09/12NMVJU, RXN09/12NMVJU

OUTDOOR AIR THERMISTOR

WALL HEIGHT ON AIR OUTLET SIDE
LESS THAN 47-1/4 (1200)

UNIT: inch (mm)

IN CASE OF REMOVING
STOP VALVE COVER AND
TERMINAL STRIP COVER

LIQUID
STOP VALVE
(φ1/4 (φ6.4) CuT)

GAS
STOP VALVE
(φ1/2 (φ12.7) CuT)

DRAIN OUTLET
(I.D. φ5/8 (φ15.9mm) HOSE FOR CONNECTION WITH DRAIN JOINT)

SERVICE PORT

MANUFACTURER’S LABEL

C: 3D092206

RKN18NMVJU, RXN18NMVJU

OUTDOOR AIR THERMISTOR

WALL HEIGHT ON AIR OUTLET SIDE
LESS THAN 47-1/4 (1200)

UNIT: inch (mm)

IN CASE OF REMOVING
STOP VALVE COVER AND
TERMINAL STRIP COVER

LIQUID
STOP VALVE
(φ1/4 (φ6.4) CuT)

GAS
STOP VALVE
(φ1/2 (φ12.7) CuT)

DRAIN OUTLET
(I.D. φ5/8 (φ15.9mm) HOSE FOR CONNECTION WITH DRAIN JOINT)

SERVICE PORT

MANUFACTURER’S LABEL

C: 3D092224
Dimensions — Outdoor Unit

RKN24NMVJU, RXN24NMVJU

Handle: 3-1/2 (89.5)

Brand Name Plate: 2-3/4 (70)

Electric Wire Intake: 11-7/16 (291)

Outdoor Air Thermistor: 1-3/4 (44.45)

4 Holes for Foundation Bolts (M8 or M10)

Manufacturer's Label: 3/4 (19)

Wall Height on Air Outlet Side: Less Than 47-1/4 (1200)

Wiring Space: 3-1/2 (89.5)

Ground Terminal: 6-13/16 (173)

Service Port: 6-13/16 (173)

Liquid Stop Valve: (φ 1/4 (φ 6.4) CuT)

Gas Stop Valve: (φ 5/8 (φ 15.9) CuT)

Drain Outlet: (I.D. φ 5/8 (φ 15.9) Hose for Connection with Drain Joint)

MINIMUM SPACE FOR AIR PASSAGE

IN CASE OF REMOVING STOP VALVE COVER AND TERMINAL STRIP COVER

Liquid Stop Valve: (φ 1/4 (φ 6.4) CuT)

Gas Stop Valve: (φ 5/8 (φ 15.9) CuT)

Drain Outlet: (I.D. φ 5/8 (φ 15.9) Hose for Connection with Drain Joint)

C: 3D092230
FTKN09/12NMVJU, FTXN09/12NMVJU

- PCB2
- LED1, H1P
- LED2, H2P
- S1W, R1T
- SIGNAL RECEIVER
- WIRELESS REMOTE CONTROLLER
- PCB1
- LED1, H1P
- LED2, H2P
- S1W, R1T
- SIGNAL RECEIVER
- WIRELESS REMOTE CONTROLLER

CAUTION: NOTE THAT OPERATION WILL RESTART AUTOMATICALLY IF THE MAIN POWER SUPPLY IS TURNED OFF AND THEN BACK ON AGAIN.

FTKN18/24NMVJU, FTXN18/24NMVJU

- PCB3
- LED1, H1P
- LED2, H2P
- S1W, R1T
- SIGNAL RECEIVER
- WIRELESS REMOTE CONTROLLER
- PCB1
- LED1, H1P
- LED2, H2P
- S1W, R1T
- SIGNAL RECEIVER
- WIRELESS REMOTE CONTROLLER

CAUTION: NOTE THAT OPERATION WILL RESTART AUTOMATICALLY IF THE MAIN POWER SUPPLY IS TURNED OFF AND THEN BACK ON AGAIN.
RKN24NMVJU, RXN18/24NMVJU

NOTE
1. REFER TO THE NAMEPLATE FOR THE POWER REQUIREMENTS.

C7 : CAPACITOR
DB1 : DIODE BRIDGE
FU1, FU2, FU3 : FUSE
IPM1 : INTELLIGENT POWER MODULE
L1, L2 : LIVE
M1C : COMPRESSOR MOTOR
M1F : FAN MOTOR
Q1L : OVERLOAD PROTECTOR
R1T, R2T, R3T : THERMISTOR
S20, S40, S70, S80, S90, X11A : CONNECTOR
SA1 : SURGE ABSORBER
SA1 : PRINTED CIRCUIT BOARD
Q1L : TERMINAL BLOCK
C7 : VAVISTOR
PS : SWITCHING POWER SUPPLY
V1, V2, V3 : TERMINAL BLOCK
X1M : ELECTRONIC EXPANSION VALVE COIL
X1S : REVERSING SOLENOID VALVE COIL
Y1E : FERRITE CORE
Y1S : NOISE FILTER
Z1C, Z2C, Z3C : SURFACE MOUNTED ESD PROTECTOR
Z1C : PROTECTIVE GROUND
Z1C : GROUND
Z1C : PROTECTIVE GROUND
Z1C : GROUND
## Accessories

<table>
<thead>
<tr>
<th><strong>Accessory Description</strong></th>
<th><strong>Part Numbers</strong></th>
</tr>
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<tbody>
<tr>
<td><strong>Indoor Unit</strong></td>
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</tr>
<tr>
<td>Wired remote controller &amp; adaptor</td>
<td>BRC944B2 + KRP067A41</td>
</tr>
<tr>
<td>Cord for remote controller (3m)</td>
<td>BRC944B2 + KRP980B2</td>
</tr>
<tr>
<td>Cord for remote controller (8m)</td>
<td>BRC941A03</td>
</tr>
<tr>
<td>Cord for remote controller (8m)</td>
<td>BRC941A08</td>
</tr>
<tr>
<td>Five-room centralized controller</td>
<td>KRC72</td>
</tr>
<tr>
<td>Adopter PCB (normal open/normal open pulse contact)</td>
<td>KRP413AB1S + KRP067A41</td>
</tr>
<tr>
<td>Adopter PCB (normal open/normal open pulse contact)</td>
<td>KRP980B2</td>
</tr>
<tr>
<td>Titaniumapatitephotocatalyticair-purifyingfilter**</td>
<td>KAF970A46</td>
</tr>
<tr>
<td>Remote controller loss prevention with chain</td>
<td>KAF970A45 or KAF970A46**</td>
</tr>
<tr>
<td>Interface adaptor for DIII-NET use</td>
<td></td>
</tr>
<tr>
<td>Central remote controller</td>
<td>DCS302C71</td>
</tr>
<tr>
<td>Unified ON/OFF controller</td>
<td>DCS302C71</td>
</tr>
<tr>
<td>Schedule timer</td>
<td>DST301A61</td>
</tr>
<tr>
<td>Standard remote controller for AC units</td>
<td>ARC480A7</td>
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<tr>
<td>Standard remote controller for HP units</td>
<td>ARC480A6</td>
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<tr>
<td>ENVI - WiFi enabled controller</td>
<td>DACA-TS1-1 + KRP067A41</td>
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<tr>
<td><strong>Outdoor Unit</strong></td>
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<tr>
<td>Air direction adjustment grille</td>
<td>KPW937A4</td>
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<tr>
<td>Drain plug*</td>
<td>KPW063A4</td>
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<tr>
<td>Back protection wire net</td>
<td>KKG063A4</td>
</tr>
<tr>
<td>Side protection wire net</td>
<td>KKG063A42</td>
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</tbody>
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* Standard accessory (Drain plug is only for Heat Pump models)
** KAF970A46 filter without frame, KAF970A45 filter with frame