SINGLE ZONE COMPACT CASSETTE AND SLIM DUCT 9, 12, 18,000 BTU/h SYSTEMS
CEILING CASSETTE SYSTEMS 9RLFCC, 12RLFCC, 18RLFCC
SLIM DUCT SYSTEMS 9RLFCD, 12RLFCD, 18RLFCD

MINI-SPLIT AIR CONDITIONERS AND HEAT PUMPS
SINGLE ZONE COMPACT CASSETTES AND SLIM DUCTS
9, 12, AND 18,000 BTU/h SYSTEMS

Slim Ducts and Compact Cassettes are ideal for commercial applications such as offices, restaurants, convenience stores, motels, dorms, in retrofit and new construction.

FEATURES

HIGH PERFORMANCE HEATING
Heating capacity at low outdoor temperatures is achieved by adopting a large heat exchanger and a high capacity compressor. Systems operate down to -5°F.

ENERGY EFFICIENT
4 systems feature high efficiencies and are ENERGY STAR® Qualified, meaning lower utility bills for home and business owners.

SLIM DUCT FEATURES

BUILT IN DRAIN PUMP
Allows for installation of slim duct unit in smaller spaces than traditional units.

FLEXIBLE INSTALLATION
Horizontal or vertical. Note: Internal drain pump will not operate when the unit is mounted in a vertical configuration.

COMPACT CASSETTE FEATURES

2-STAGE TURBO FAN
Air distribution is evenly spread across the heat exchanger by the 2 stage turbo fan which produces two separate airflow streams.

SLIM DUCT

System 9RLFCD
• ARU9RLF (Indoor)
• AO9RLFC (Outdoor)

System 12RLFCD
• ARU12RLF (Indoor)
• AO12RLFC (Outdoor)

System 18RLFCD
• ARU18RLF (Indoor)
• AO18RLFC (Outdoor)

COMPACT CASSETTE

System 9RLFCC
• AUU9RLF (Indoor)
• AO9RLFC (Outdoor)

System 12RLFCC
• AUU12RLF (Indoor)
• AO12RLFC (Outdoor)

System 18RLFCC
• AUU18RLF (Indoor)
• AO18RLFC (Outdoor)
SLIM DUCTS

- Compact size
- Flexible installation - either horizontal or vertical
- Low height and built-in drain pump enables compact soffit or cabinet installation
- Quiet operation down to 24 dB

COMPACT CASSETTES

- Compact size (22-1/2" x 22-1/2") fits into a standard ceiling tile*
- 4-Way airflow
- 2-Stage turbo fan distributes air evenly across a heat exchanger producing two separate airflow streams
- Can operate in limited space above the drop ceiling

*Dimensions of outer grille are 27-9/16" x 27-9/16" and may overlap adjacent tiles.
SLIM DUCTS
SYSTEMS 9RLFCD, 12RLFCD, 18RLFCD

STANDARD FEATURES
- Wireless Remote Control
- Weekly Timer
- Dry Mode
- Auto Mode
- Economy Mode
- Auto Restart/Reset
- Auto Changeover
- Low Ambient Cooling
- Cold Prevention
- Daisy Chain
- Built-In Condensate Pump
- Third Party Device Control^<sup>*</sup>

ACCESSORIES
- Backlit Wired Remote Control UTY-RVNUM
  Displays room temp.
- Simple Remote Controller: UTY-RSNUM
- Wireless Remote Receiver Unit: UTY-LRHUM
- Remote Sensor: UTY-XSZX
- Slim Duct Connector Kit: UTD-ECS5A

FIELD SUPPLIED FILTERS
Filters are sized to keep velocities and static pressure loss low. This will ensure sufficient static pressure is available for ductwork, fittings and supply and return grilles. Alternative filter sizes with equivalent face areas can be used.

<table>
<thead>
<tr>
<th>CFM</th>
<th>ARU 9RLF</th>
<th>ARU 12RLF</th>
<th>ARU 18RLF</th>
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<tbody>
<tr>
<td>Typical Filter Size</td>
<td>353</td>
<td>383</td>
<td>547</td>
</tr>
<tr>
<td>Velocity, FPM</td>
<td>12 x 20</td>
<td>12 x 20</td>
<td>14 x 25</td>
</tr>
<tr>
<td>Unit External SP, in. W.C.</td>
<td>212</td>
<td>230</td>
<td>228</td>
</tr>
<tr>
<td>1” Fiber Glass Filter</td>
<td>0.36</td>
<td>0.36</td>
<td>0.36</td>
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<tr>
<td>SP Loss, in. W.C.</td>
<td>0.04</td>
<td>0.05</td>
<td>0.04</td>
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<tr>
<td>Available Static Pressure</td>
<td>0.32</td>
<td>0.31</td>
<td>0.32</td>
</tr>
<tr>
<td>1” MERV 8 Pleated Filter</td>
<td>0.12</td>
<td>0.14</td>
<td>0.14</td>
</tr>
<tr>
<td>Available Static Pressure</td>
<td>0.24</td>
<td>0.22</td>
<td>0.22</td>
</tr>
<tr>
<td>2” MERV 8 Pleated Filter</td>
<td>0.07</td>
<td>0.08</td>
<td>0.08</td>
</tr>
<tr>
<td>Available Static Pressure</td>
<td>0.29</td>
<td>0.28</td>
<td>0.28</td>
</tr>
</tbody>
</table>

^Operation monitoring and On/Off control only.

Note: Figures are based on 230 Volts.
COMPACT CASSETTES
SYSTEMS 9RLFCC, 12RLFCC, 18RLFCC

STANDARD FEATURES

- Wireless Remote Control
- Weekly Timer
- Dry Mode
- Auto Louver: Up/Down
- Auto Mode
- Minimum Heat*
- Economy Mode
- Auto Restart/Reset
- Low Ambient Cooling
- Cold Prevention
- Daisy Chain
- High Ceiling Mode
- Built-In Condensate Pump
- Fresh Air Intake**
- Third Party Device Control^

ACCESSORIES

- Wired Remote Controller: UTY-RVNUM
  Backlit and includes room temperature
- Simple Remote Controller: UTY-RSNUM
- Wireless Remote Controller: UTY-LNHUM
- Dry Contact Wire Kit: UTY-XWZX
- High Humidity Insulation Kit: UTZ-KXGC
- Fresh Air Intake Kit: UTZ-VXAA
- Air Outlet Shutter Plate: UTR-YDZB

Fresh Air Kit**
UTZ-VXAA
Mixes room air then passes through the heat exchanger.

* Available only with optional wireless remote control.
** Requires Fujitsu’s Optional Fresh Air Kit part #UTZ-VXAA. Allows for a 4-inch flex duct connection. Requires a field supplied duct booster fan capable of 50 CFM at .2”W.C. or 90 CFM at .4”W.C. For fan static pressure requirements, see installation manual. Add hood, filter and duct losses for fan total static pressure requirements. Will add 4” to the height of the indoor unit.
^ Operation monitoring and On/Off control only.

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### Compact Cassette

**Accessories**

- Wired Remote Controller: UTY-RVNUM
- Simple Remote Controller: UTY-RSNUM
- Wireless Remote Controller: UTY-LNHUM
- Dry Contact Wire Kit: UTY-XWZX
- High Humidity Insulation Kit: UTZ-KXGC
- Fresh Air Intake Kit: UTZ-VXAA
- Air Outlet Shutter Plate: UTR-YDZB

** Ninth, Eleventh, and Eighteenth Compact Cassette Specifications**

<table>
<thead>
<tr>
<th></th>
<th>9RLFCC</th>
<th>12RLFCC</th>
<th>18RLFCC</th>
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</thead>
<tbody>
<tr>
<td>Nominal Cooling BTU/h</td>
<td>9,000</td>
<td>12,000</td>
<td>18,000</td>
</tr>
<tr>
<td>Min–Max Cooling BTU/h</td>
<td>3,100–12,000</td>
<td>3,100–13,600</td>
<td>3,100–20,100</td>
</tr>
<tr>
<td>Nominal Heating BTU/h</td>
<td>12,000</td>
<td>16,000</td>
<td>21,600</td>
</tr>
<tr>
<td>Min–Max Heating BTU/h</td>
<td>3,100–18,000</td>
<td>3,100–19,400</td>
<td>3,100–25,600</td>
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<tr>
<td>HSPF</td>
<td>12.2</td>
<td>11.5</td>
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<tr>
<td>SEER</td>
<td>21.9</td>
<td>20.1</td>
<td></td>
</tr>
<tr>
<td>EER Clg</td>
<td>12.8</td>
<td>11.2</td>
<td></td>
</tr>
</tbody>
</table>

### Performance Specifications

- **Cooling Operating Range °F(°C):**
  - Min: 14~115 (-10~46)
- **Heating Operating Range °F(°C):**
  - Min: -5~75 (-21~24)

### Electrical Specifications

- **Nominal Voltage:** 208-230 Volts
- **Frequency:** 60 Hz
- **Phase:** 1

### Mechanical Specifications

- **Combined Min. Length Ft:**
  - 10 (3)
- **Combined Max. Length Ft:**
  - 66 (20)
- **Max. Vertical Diff. Ft:**
  - 49 (15)
- **Indoor Unit Net Weight lbs. (kg):**
  - 33 (15)
- **Outdoor Unit Net Weight lbs. (kg):**
  - 84 (38)
- **Indoor Unit Dim: Height Inch (mm):**
  - 9-11/16 (245)
- **Width Inch (mm):**
  - 22-7/16 (570)
- **Depth Inch (mm):**
  - 22-7/16 (570)
- **Grille Dim: Height Inch (mm):**
  - 1-15/16 (49)
- **Width Inch (mm):**
  - 27-9/16 (700)
- **Depth Inch (mm):**
  - 27-9/16 (700)
- **Outdoor Unit Dim: Height Inch (mm):**
  - 24-1/2 (620)
- **Width Inch (mm):**
  - 31-3/32 (790)
- **Depth Inch (mm):**
  - 11-11/32 (290)

### Refrigerant

- **R410A**

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* Compact Cassette Grille UTG-CGCF sold separately. Must order one with each compact cassette.

Note: Figures are based on 230 Volts.
APPLICATIONS
FOR SINGLE ZONE COMPACT CASSETTE AND SLIM DUCT MODELS

NURSING HOMES, HOSPITALS

COMPACT CASSETTE
SYSTEM 9RLFCC
SYSTEM 12RLFCC
SYSTEM 18RLFCC

HOTELS, MOTELS

SLIM DUCT
SYSTEM 9RLFCD
SYSTEM 12RLFCD
SYSTEM 18RLFCD

SMALL OFFICES

DORM ROOMS

MULTI-TENANT DWELLINGS

SPOT COOLING OR HEATING

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*Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.