Life’s Good!

From installation to maintenance, LG runs more than 60 global air conditioning academies, each provides training for air conditioning professionals.

What is LG?

LG Electronics is a division of the LG Group founded in 1947. LG air conditioners were first manufactured in 1968. With inverter driven residential and commercial air conditioning equipment and controls, LG is among the world’s largest volume compressor and HVAC manufacturers with 8 production sites.
Establishment

- LGE Established 1958
- Manufactured Korea’s first air conditioners 1968
- Exported Korea’s first window air conditioner 1969

Growth

- First LG rotary compressor 1995
- First LG VRF system launched 1998
- Reached 1st place in residential air conditioner 2000
- Achieved world’s highest annual air conditioner sales 2001
- Reached industry first total global sales of 100 million units 2009

Expansion

- US Training Center Established (Atlanta) 2008
- US Training Center Established (Commonwealth) 2009
- US Training Center Established (Secaucus, NJ & Carrollton, TX) 2011
- LG Air Conditioning business created
Variable Refrigerant Flow (VRF) technology was introduced as a system to minimize losses found in conventional HVAC systems. An air cooled VRF system is engineered to minimize or remove ductwork, large distribution fans, water pumps and piping, giving back plenum and floor space. The modular design of a VRF system provides exceptional dehumidification and temperature control by rapidly adapting to changing loads. The modular design results in superior energy savings giving occupants the choice to condition only the zones being used. Energy efficient and easy to design, install, and maintain, a VRF system has low life cycle cost compared to other systems on the market today.
VRF INDOOR UNITS

For use with

MULTI V.
MULTI V.
MULTI V.
MULTI V.
MULTI V.
LG indoor units offer a wide range of styles and features to fit all of your cooling and heating needs. With cassettes that mount flush to the ceiling, ducted units that are completely concealed in the ceiling, and mirror finished wall mounted units that fit into any décor, the Multi V system offers unparalleled aesthetic design and indoor units to fit into multiple applications.
**Quiet**

Multi V indoor units are among the quietest in the industry with rated sound levels as low as 23dB(A). In addition to temperature, airflow, and dehumidification, extremely low sound levels contribute to a relaxing environment.

**Dehumidification**

Multi V units offer the best in dehumidification. Most direct expansion systems cycle to maintain setpoint which affects efficiency, reduces their runtime and hinders proper dehumidification. Load matching with Multi V not only occurs with the variable speed compressor, but also with the electronic expansion valves and variable speed fans in each individual indoor unit. This allows the system to run longer at lower loads, providing superior dehumidification, better comfort, and reduced energy consumption.

**Individualized zone control**

Multi V systems allow the user to control the space to the exact temperature desired. Each evaporator is equipped with its own variable speed fan and electronic expansion valve, giving unfettered temperature control, airflow direction, and fan speed control to occupants in every zone. If cooling or heating is not wanted, the user can simply turn off their indoor unit, or turn it to fan mode for air movement. This further enhances comfort, while promoting reduced power consumption.

**Indoor air quality**

All Multi V indoor units incorporate a reusable washable filter. Since distribution and return ducts are not required for this system, dust and duct mold accumulation are reduced. With independent indoor units, odors from one zone will not be carried to other zones. ArtCool™ Mirror and wall mounted indoor units can be set to go through a fan cycle at the end of cooling operation for 30 minutes to warm up and dry the coil, which prevents mold growth. Ceiling cassette units, ArtCool Mirror and wall mounted units come standard with plasma filters.
**Indoor Units**

**FILTRATION**

**Washable Filter**
Indoor units come factory supplied with a washable filter.
*Standard on all indoor units except Vertical/Horizontal Air Handler

**Plasma Filter**
The plasma filter developed uniquely by LG comes factory installed and powered as standard on 1, 2, and 4-way ceiling cassettes, ArtCool mirror and wall mounted indoor units.

* Plasma filter type found in 4-way ceiling cassettes.
* Plasma filter available only on ArtCool mirror, wall mounted, and ceiling cassette indoor units (models SE, SS, SB, TJ, TL, TM, TN, TP, TQ, and TR)
The Multi V system offers flexible control options to accommodate any requirement. With various thermostat options, the individual user in each space can control temperature, airflow, and even turn their unit off when it is not needed. System controllers like AC Smart II can allow a user to control individual indoor units from a central location as well as monitor their operation.

**Lightweight**

Multi V indoor units are lightweight making them easy to move without the need for lifts. Their lightweight also allows indoor units to be easily hung, often without additional support requirements.

**Small size**

The small size of Multi V indoor units allows for easy installation in many spaces. In fact, they are among the smallest in the industry. Indoor units fit in locations traditional air handlers will not. Whether you are installing a ceiling cassette or ducted unit, it will be an easy fit in the tightest spaces.
## Indoor Units

<table>
<thead>
<tr>
<th>Series</th>
<th>MBh</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART COOL Mirror</td>
<td></td>
</tr>
<tr>
<td>Wall Mounted</td>
<td>pg. 18</td>
</tr>
</tbody>
</table>

### Ceiling Cassette
- **1-Way**
- **2-Way**
- **4-way** (2’ x 2’ chassis)
- **4-way** (3’ x 3’ chassis)

### Ceiling Concealed Duct
- **Ducted (High Static)**
- **Ducted (Low Static, Convertible)**
- **Ducted (Low Static, Bottom Return)**

### Vertical / Horizontal Air Handler

### Ceiling Suspended

### Convertible Surface Mounted

### Floor Standing
- **With Case**
- **Without Case**
### Multi V Indoor Units

#### Family
- **ARN** = Multi V indoor Unit
  - (Refrigerant R410A)

#### Type
- **U** = DC Inverter Heat Pump

#### Nominal Capacity
- **05** = 5,000 Btu/h
- **07** = 7,000 Btu/h
- **09** = 9,000 Btu/h
- **12** = 12,000 Btu/h
- **15** = 15,000 Btu/h
- **18** = 18,000 Btu/h
- **20** = 20,000 Btu/h
- **24** = 24,000 Btu/h
- **28** = 28,000 Btu/h
- **30** = 30,000 Btu/h
- **36** = 36,000 Btu/h
- **42** = 42,000 Btu/h
- **48** = 48,000 Btu/h
- **50** = 50,000 Btu/h
- **56** = 56,000 Btu/h
- **72** = 72,000 Btu/h
- **90** = 90,000 Btu/h
- **96** = 96,000 Btu/h
- **180** = 180,000 Btu/h

#### Electrical Connection
- **3** = 208-230/60/1

#### Model
- **B1** = Ducted (low static, convertible)
- **B2** = Ducted (low static, convertible)
- **B3** = Ducted (low static, bottom return)
- **B4** = Ducted (low static, bottom return)
- **BG** = Ducted (high static)
- **BH** = Ducted (high static)
- **BR** = Ducted (high static)
- **CE** = Floor Standing
- **CF** = Floor Standing
- **NJ** = V/H Air Handling Unit
- **NK** = V/H Air Handling Unit
- **S5** = Wall Mounted

#### Feature
- **A** = Basic
- **L** = Plasma
- **C** = Plasma Filter
- **R** = Mirror and Plasma
- **G** = Low Static
- **U** = Uncased
- **2** = Second
The ArtCool™ Mirror wall mounted units have style to fit any décor. Similar to the standard wall mounted unit, the ArtCool Mirror hangs on an easily installed factory supplied wall bracket making installation simple. ArtCool Mirror units can be installed in fine homes and residences, upscale hotel guest rooms and lobbies, or spaces with a fashionable interior design.

### Operation
- Auto changeover (Heat Recovery only)
- Auto operation
- Auto clean (coil dry)
- Auto restart
- Child lock
- Dual thermistor control
- Forced operation
- Group control
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Weekly schedule
- Soft dry (dehumidification)

### Airflow
- Auto direction/swing (up/down)
- Auto direction/swing (left/right)
- Fan speed control
- Chaos swing (random louver swing)
- Chaos wind (random fan speed)
- Jet cool (fast cooling)

### Filter
- Washable resin
- Plasma
- Carbon

### Controllers
- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller

### Other
- Choice of panel color
- Gravity condensate drain connections

---

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU•••••R2</th>
<th>073 SE</th>
<th>093 SE</th>
<th>123 SE</th>
<th>153 SE</th>
<th>183 SE</th>
<th>243 SE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h</td>
<td>7,500</td>
<td>9,600</td>
<td>12,300</td>
<td>15,400</td>
<td>19,100</td>
<td>24,200</td>
<td></td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>8,500</td>
<td>10,900</td>
<td>13,600</td>
<td>17,100</td>
<td>21,500</td>
<td>27,300</td>
<td></td>
</tr>
<tr>
<td><strong>Power Input</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling W</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Heating W</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V / Hz / ø</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions (W×D×H)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Body inch</td>
<td>36.0 x 6.5 x 11.1</td>
<td>36.0 x 6.5 x 11.1</td>
<td>36.0 x 6.5 x 11.1</td>
<td>36.0 x 6.5 x 11.1</td>
<td>36.0 x 6.5 x 11.1</td>
<td>36.0 x 6.5 x 11.1</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>43.6 x 7.9 x 11.8</td>
<td>43.6 x 7.9 x 11.8</td>
<td></td>
</tr>
<tr>
<td><strong>Sound Pressure (H/M/L)</strong></td>
<td>37/33/23</td>
<td>39/35/25</td>
<td>41/36/27</td>
<td>42/36/27</td>
<td>37/36/31</td>
<td>43/37/32</td>
<td></td>
</tr>
<tr>
<td><strong>Air Flow Rate (H/M/L)</strong></td>
<td>247/212/141</td>
<td>282/247/177</td>
<td>353/283/212</td>
<td>37/283/212</td>
<td>508/459/388</td>
<td>632/508/424</td>
<td></td>
</tr>
</tbody>
</table>

---

Notes:
1. Capacities are based on the following conditions
   - Cooling: Indoor temp. 80°F DB / 67°F WB
   - Heating: Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB
2. Capacities are net capacities.
4. Due to our policy of innovation some specifications may be changed without notification.
Indoor Units

WALL MOUNTED
Non-Ducted

Extending just 7 inches or less off the wall, Multi V wall mounted units are among the lowest profile in the industry. The wall mounted unit hangs on an easily installed factory supplied wall bracket making installation simple. Multi V wall mounted units can be installed in homes and residences, hotel guest rooms and lobbies, or anywhere with free wall space.

Operation
- Auto changeover (Heat Recovery only)
- Auto operation
- Auto clean (coil dry)\(^1\)
- Child lock
- Dual thermostat control
- Forced operation
- Group control
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Weekly schedule
- Soft dry (dehumidification)

Airflow
- Auto direction/swing (up/down)
- Auto direction/swing (left/right)\(^2\)
- Manual direction (left/right)\(^3\)

- Fan speed control
- Chaos swing (random louver swing)
- Chaos wind (random fan speed)
- Jet cool (fast cooling)

Filter
- Washable resin
- Plasma
- Carbon

Controllers
- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller

Other
- Gravity condensate drain connection\(^4\)

---

Model | ARNU ****L2 | OT3 SE | O93 SE | 123 SE | 153 SE | 183 S5 | 243 S5

| Capacity | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Cooling Btu/h | 7,500 | 9,600 | 12,300 | 15,400 | 19,100 | 24,200 |
| kW | 2.2 | 2.8 | 3.6 | 4.5 | 5.6 | 7.1 |
| Heating Btu/h | 8,500 | 10,900 | 13,600 | 17,100 | 21,500 | 27,300 |
| kW | 2.5 | 3.2 | 4.0 | 5.0 | 6.3 | 8.0 |

<table>
<thead>
<tr>
<th>Power Input</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling W</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Heating W</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>V / Hz / ø</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
</tr>
<tr>
<td>Heating</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions (W+D+H)</th>
<th>Body inch</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling</td>
<td>35.2 x 6.5 x 11.1</td>
<td>35.2 x 6.5 x 11.1</td>
<td>35.2 x 6.5 x 11.1</td>
<td>35.2 x 6.5 x 11.1</td>
<td>35.2 x 6.5 x 11.1</td>
<td>35.2 x 6.5 x 11.1</td>
</tr>
<tr>
<td>Heating</td>
<td>35.2 x 6.5 x 11.1</td>
<td>35.2 x 6.5 x 11.1</td>
<td>35.2 x 6.5 x 11.1</td>
<td>35.2 x 6.5 x 11.1</td>
<td>35.2 x 6.5 x 11.1</td>
<td>35.2 x 6.5 x 11.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weight</th>
<th>lbs</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Heating</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sound Pressure (H/M/L)(^2)</th>
<th>dB(A)</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling</td>
<td>31/33/33</td>
<td>39/35/35</td>
<td>41/36/27</td>
<td>42/36/27</td>
<td>44/40/36</td>
<td>46/41/38</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Air Flow Rate (H/M/L)(^3)</th>
<th>CFM</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

Notes:
1. Capacities are based on the following conditions.
   Cooling: Indoor temp. 80°F DB / 67°F WB
   Heating: Indoor temp. 70°F DB
   Interconnecting Piping Length: 25ft
   Level Difference: 0ft
2. Capacities are net capacities.
4. Due to our policy of innovation some specifications may be changed without notification.
The 1-Way Ceiling Cassette units mount flush with the ceiling. Ceiling cassettes can be installed in offices, hallways, homes and residences, hotel guest rooms and lobbies, or anywhere wall space is not available.

**Operation**
- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- Child lock
- Dual thermostat control
- Forced operation
- Group control
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Weekly schedule
- Soft dry (dehumidification)

**Filter**
- Washable resin
- Plasma

**Controllers**
- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller

**Other**
- Condensate lift
- Ventilation (outside air)
- Standard grille

**Airflow**
- Auto direction/swing (up/down)
- Fan speed control
- Chaos wind (random fan speed)
- Jet cool (fast cooling)

**Notes:**
1. 27 1/2 inches from bottom of unit
2. Temperature, humidity, and volume limitations apply.
   See Engineering Manual for static pressure requirements and condition limits.
3. Standard grille is a required accessory (PT-HJC1)

---

**Model:** ARNU•••••C2

<table>
<thead>
<tr>
<th>Model</th>
<th>Cooling Blt/h</th>
<th>Heating Blt/h</th>
<th>Cooling kW</th>
<th>Heating kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>073 TJ</td>
<td>7,500</td>
<td>8,500</td>
<td>2.2</td>
<td>2.5</td>
</tr>
<tr>
<td>093 TJ</td>
<td>9,600</td>
<td>10,900</td>
<td>2.8</td>
<td>3.2</td>
</tr>
<tr>
<td>123 TJ</td>
<td>12,300</td>
<td>13,600</td>
<td>3.6</td>
<td>4.0</td>
</tr>
</tbody>
</table>

**Power Input**
- Cooling W: 40
- Heating W: 40

**Power Supply**
- V/Hz/ø: 208-230/60/1

**Dimensions (W×D×H)**
- Body: 33.8 x 16.1 x 5.4
- Grille: 42.1 x 18.9 x 0.8

**Weight**
- Body lbs: 26
- Grille lbs: 8

**Sound Pressure (H/M/L)**
- dB(A): 40/38/37

**Air Flow Rate (H/M/L)**
- CFM: 265/229/212

---

Notes:
1. Capacities are based on the following conditions:
   - Cooling: Indoor temp. 80°F DB / 67°F WB
   - Heating: Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB
   - Outdoor temp. 47°F DB / 43°F WB
   - Interconnecting Piping Length 25ft
2. Capacities are net capacities
3. Dimensions are for casing only and do not include hangers, control boxes, and pipes. See engineering manual for dimension details.
4. Sound pressure levels as tested in an anechoic chamber under ISO Standard 1996. For more details, see the engineering manual.
5. Due to our policy of innovation, some specifications may be changed without notification.
In indoor units, the LG 2-Way Ceiling Cassette units mount flush with the ceiling. Ceiling cassettes can be installed in offices, conference rooms, hallways, homes and residences, break rooms and lobbies, or anywhere wall space is not available.

**Operation**
- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- Child lock
- Dual thermistor control
- Group control
- Forced operation
- High ceiling
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Weekly schedule
- Soft dry (dehumidification)

**Filter**
- Washable resin
- Plasma

**Controllers**
- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller

**Airflow**
- Auto direction/swing (up/down)
- Fan speed control
- Chaos wind (random fan speed)
- Jet cool (fast cooling)

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU•••••C2</th>
<th>183 TL</th>
<th>243 TL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARNU•••••C2</td>
<td>19,100</td>
<td>24,200</td>
<td></td>
</tr>
<tr>
<td>ARNU•••••C2</td>
<td>21,500</td>
<td>27,300</td>
<td></td>
</tr>
<tr>
<td>ARNU•••••C2</td>
<td>70</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>ARNU•••••C2</td>
<td>70</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>ARNU•••••C2</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td></td>
</tr>
<tr>
<td>ARNU•••••C2</td>
<td>32.6 x 21.6 x 8.9</td>
<td>32.6 x 21.6 x 8.9</td>
<td></td>
</tr>
<tr>
<td>ARNU•••••C2</td>
<td>41.3 x 25.2 x 11</td>
<td>41.3 x 25.2 x 11</td>
<td></td>
</tr>
<tr>
<td>ARNU•••••C2</td>
<td>49</td>
<td>49</td>
<td></td>
</tr>
<tr>
<td>ARNU•••••C2</td>
<td>10</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>ARNU•••••C2</td>
<td>40/36/32</td>
<td>42/38/34</td>
<td></td>
</tr>
<tr>
<td>ARNU•••••C2</td>
<td>459/424/353</td>
<td>601/530/459</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. Capacities are based on the following conditions:
   - Cooling: Indoor temp. 80°F DB / 67°F WB
   - Heating: Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB / 47°F DB / 43°F WB
   - Level Difference of 0 ft
2. Capacities are net capacities.
3. Dimensions are for casing only and do not include hangers, control boxes, and pipes. See engineering manual for dimension details.
5. Due to our policy of innovation some specifications may be changed without notification.
The LG 4-Way Ceiling Cassette units offer capacities up to 4 tons. With maintenance friendly features like the optional auto elevation grille it becomes easy to access filters for cleaning even on the highest ceilings. Independently controlled vanes allow individualized control in all directions around the 4-way ceiling cassette. The unit also has specially designed vanes that direct air where it is wanted and covers the corners of the room. Removable corner access panels allow easy access for height adjustment and maintenance checks.

### Operation
- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- Child lock
- Dual thermistor control
- Forced operation
- Group control
- High ceiling
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Weekly schedule
- Soft dry (dehumidification)
- Swirl wind (alternating vanes)
- Jet cool (fast cooling)

### Filter
- Washable pre-filter
- Plasma

### Controllers
- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller

### Other
- Condensate lift
- Ventilation (outside air)
- Side branch ducting
- Standard grille
- Auto elevation grille kit
- Corner access panels

### Notes
1. Capacities are based on the following conditions:
   - Cooling: Indoor temp. 80°F DB / 67°F WB
   - Heating: Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB
   - Outdoor temp. 47°F DB / 43°F WB
   - Level Difference of 0 ft
2. Capacities are net capacities.
3. Dimensions are for casing only and do not include hangers, control boxes, and pipes. See engineering manual for dimension details.
5. Due to our policy of innovation some specifications may be changed without notification.

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU****C2</th>
<th>053 TR</th>
<th>073 TR</th>
<th>093 TR</th>
<th>123 TR</th>
<th>153 TQ</th>
<th>183 TQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h</td>
<td>5,500</td>
<td>7,500</td>
<td>9,600</td>
<td>12,300</td>
<td>15,400</td>
<td>19,100</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>1.6</td>
<td>2.2</td>
<td>2.8</td>
<td>3.6</td>
<td>4.5</td>
<td>5.6</td>
<td></td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>6,100</td>
<td>8,500</td>
<td>10,900</td>
<td>13,600</td>
<td>17,100</td>
<td>21,500</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>1.8</td>
<td>2.5</td>
<td>3.2</td>
<td>4.0</td>
<td>5.0</td>
<td>6.3</td>
<td></td>
</tr>
<tr>
<td>Power Input</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling W</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Heating W</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Power Supply V / Hz / ø</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td></td>
</tr>
<tr>
<td>Dimensions(W×D×H)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Body inch</td>
<td>22.4 x 22.4 x 8.4</td>
<td>22.4 x 22.4 x 8.4</td>
<td>22.4 x 22.4 x 8.4</td>
<td>22.4 x 22.4 x 8.4</td>
<td>22.4 x 22.4 x 10.1</td>
<td>22.4 x 22.4 x 10.1</td>
<td></td>
</tr>
<tr>
<td>Grille inch</td>
<td>27.5 x 27.5 x 0.9</td>
<td>27.5 x 27.5 x 0.9</td>
<td>27.5 x 27.5 x 0.9</td>
<td>27.5 x 27.5 x 0.9</td>
<td>27.5 x 27.5 x 0.9</td>
<td>27.5 x 27.5 x 0.9</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Body lbs</td>
<td>29</td>
<td>31</td>
<td>32</td>
<td>35</td>
<td>35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grille lbs</td>
<td>5.0</td>
<td>7.5</td>
<td>7.5</td>
<td>7.5</td>
<td>7.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sound Pressure (H/M/L) dB(A)</td>
<td>29/27/26</td>
<td>29/27/26</td>
<td>30/29/27</td>
<td>32/30/27</td>
<td>36/34/32</td>
<td>37/35/34</td>
<td></td>
</tr>
<tr>
<td>Air Flow Rate (H/M/L) CFM</td>
<td>265/247/212</td>
<td>265/247/212</td>
<td>283/265/251</td>
<td>307/283/247</td>
<td>358/353/328</td>
<td>396/388/353</td>
<td></td>
</tr>
</tbody>
</table>

1. 27 ½ inches from bottom of unit
2. Ventilation kit required for TM, TN, TP chassis PTVK410 and PTVK420
3. See Engineering Manual for static pressure requirements and condition limits
4. Standard grille is a required accessory (PT-UQC for TR, TQ chassis/ PT-UMC for TM, TN, TP chassis)
5. Available only with TM, TN, TP chassis. Can be lowered up to 14.75 ft below the panel
4-WAY CEILING CASSETTE
3’x3’ Chassis [Non-Ducted]

Ceiling cassettes can be installed in schools, offices, conference rooms, homes and residences, hotel guest rooms and lobbies, or anywhere wall space is not available.

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU•••••C2</th>
<th>093TN</th>
<th>123TN</th>
<th>153TN</th>
<th>183TM</th>
<th>243TM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h</td>
<td>9,600</td>
<td>12,300</td>
<td>15,400</td>
<td>19,100</td>
<td>24,200</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>2.8</td>
<td>3.6</td>
<td>4.5</td>
<td>5.6</td>
<td>7.1</td>
<td></td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>10,900</td>
<td>13,600</td>
<td>17,100</td>
<td>21,500</td>
<td>27,300</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>3.2</td>
<td>4.0</td>
<td>5.0</td>
<td>6.3</td>
<td>8.0</td>
<td></td>
</tr>
<tr>
<td>Power Input</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling W</td>
<td>144</td>
<td>144</td>
<td>144</td>
<td>144</td>
<td>144</td>
<td></td>
</tr>
<tr>
<td>Heating W</td>
<td>144</td>
<td>144</td>
<td>144</td>
<td>144</td>
<td>144</td>
<td></td>
</tr>
<tr>
<td>Power Supply V / Hz / ø</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td></td>
</tr>
<tr>
<td>Dimensions(W+D+H)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Body inch</td>
<td>33.0 x 33.0 x 9.7</td>
<td>33.0 x 33.0 x 9.7</td>
<td>33.0 x 33.0 x 9.7</td>
<td>33.0 x 33.0 x 11.4</td>
<td>33.0 x 33.0 x 11.4</td>
<td></td>
</tr>
<tr>
<td>Grille inch</td>
<td>37.4 x 37.4 x 1</td>
<td>37.4 x 37.4 x 1</td>
<td>37.4 x 37.4 x 1</td>
<td>37.4 x 37.4 x 1</td>
<td>37.4 x 37.4 x 1</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Body lbs</td>
<td>52</td>
<td>52</td>
<td>52</td>
<td>57</td>
<td>57</td>
<td></td>
</tr>
<tr>
<td>Grille lbs</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Sound Pressure (H/M/L) dBA</td>
<td>30/26/22</td>
<td>30/26/22</td>
<td>35/32/29</td>
<td>34/30/26</td>
<td>41/39/36</td>
<td></td>
</tr>
<tr>
<td>Air Flow Rate (H/M/L) CFM</td>
<td>484/424/364</td>
<td>484/424/364</td>
<td>600/530/470</td>
<td>685/600/530</td>
<td>897/812/742</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU•••••C2</th>
<th>243 TP</th>
<th>283 TP</th>
<th>363 TN</th>
<th>423 TM</th>
<th>483 TM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h</td>
<td>24,200</td>
<td>28,000</td>
<td>36,200</td>
<td>42,000</td>
<td>48,100</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>7.1</td>
<td>8.2</td>
<td>10.6</td>
<td>12.3</td>
<td>14.1</td>
<td></td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>27,300</td>
<td>31,500</td>
<td>40,600</td>
<td>43,800</td>
<td>51,200</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>8</td>
<td>9.2</td>
<td>11.9</td>
<td>13.8</td>
<td>15.9</td>
<td></td>
</tr>
<tr>
<td>Power Input</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling W</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>Heating W</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>Power Supply V / Hz / ø</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td></td>
</tr>
<tr>
<td>Dimensions(W+D+H)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Body inch</td>
<td>33.0 x 33.0 x 8.0</td>
<td>33.0 x 33.0 x 8.0</td>
<td>33.0 x 33.0 x 9.6</td>
<td>33.0 x 33.0 x 11.4</td>
<td>33.0 x 33.0 x 11.4</td>
<td></td>
</tr>
<tr>
<td>Grille inch</td>
<td>37.4 x 37.4 x 1</td>
<td>37.4 x 37.4 x 1</td>
<td>37.4 x 37.4 x 1</td>
<td>37.4 x 37.4 x 1</td>
<td>37.4 x 37.4 x 1</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Body lbs</td>
<td>46</td>
<td>46</td>
<td>52</td>
<td>57</td>
<td>57</td>
<td></td>
</tr>
<tr>
<td>Grille lbs</td>
<td>12.5</td>
<td>12.5</td>
<td>12.5</td>
<td>12.5</td>
<td>12.5</td>
<td></td>
</tr>
<tr>
<td>Sound Pressure (H/M/L) dBA</td>
<td>36/34/31</td>
<td>39/35/33</td>
<td>43/40/37</td>
<td>44/41/38</td>
<td>46/43/41</td>
<td></td>
</tr>
<tr>
<td>Air Flow Rate (H/M/L) CFM</td>
<td>600/529/459</td>
<td>671/565/494</td>
<td>883/742/671</td>
<td>1059/954/848</td>
<td>1095/1024/954</td>
<td></td>
</tr>
</tbody>
</table>

Note:
1. Capacities are based on the following conditions:
   - Cooling-Indoor temp. 80°F DB / 67°F WB
   - Heating-Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB / 47°F DB / 43°F WB
   - Interconnecting Piping Length 25ft
   - Level Difference of 0ft
2. Capacities are net capacities.
3. Dimensions are for casing only and do not include hangers, control boxes, and pipes. See engineering manual for detail dimensions.
5. Due to our policy of innovation some specifications may be changed without notification.
Indoor Units

**DUCTED**

[High Static]

**Small Chassis**

High static ducted units offer a full range of capacities from ½ to 8 tons. With short supply and return ducts, static pressure losses are minimized when compared to conventional ducted systems. Ducted units can be installed in schools, offices, conference rooms, homes and residence retrofits, hallways and lobbies, or anywhere a unit must be concealed.

---

**Operation**

- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- Child lock
- Dual thermistor control
- Group control
- E.S.P. control
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Weekly schedule
- Soft dry (dehumidification)

**Airflow**

- Fan speed control

**Filter**

- Washable resin

**Controllers**

- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller¹

**Other**

- Condensate lift²
- Ventilation (Outside Air)³
- Gravity condensate drain connection⁴

---

**Notes:**

1. Must be used in conjunction with a zone controller
2. 27 ½ inches from bottom of unit
3. Temperature, humidity, and volume limitations apply
   See Engineering Manual for condition limits
4. Condensate pumps field provided and installed

---

**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU•••••A2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>O73 BH</td>
</tr>
<tr>
<td>Capacity</td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h</td>
<td>7,500</td>
</tr>
<tr>
<td>kW</td>
<td>2.2</td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>8,500</td>
</tr>
<tr>
<td>kW</td>
<td>2.5</td>
</tr>
<tr>
<td>Power Input</td>
<td></td>
</tr>
<tr>
<td>Cooling W</td>
<td>150</td>
</tr>
<tr>
<td>Heating W</td>
<td>150</td>
</tr>
<tr>
<td>Power Supply V / Hz / ø</td>
<td>208-230/60/1</td>
</tr>
<tr>
<td>Dimensions (W×D×H)³</td>
<td>34.7 x 17.7 x 10.2</td>
</tr>
<tr>
<td>Net Weight lbs</td>
<td>58</td>
</tr>
<tr>
<td>Sound Pressure (H/M/L)⁴ dB(A)</td>
<td>34/33/32</td>
</tr>
<tr>
<td>Air Flow Rate High Mode (H/M/L)⁶</td>
<td>300/265/212</td>
</tr>
<tr>
<td>External Static Pressure³ in wg</td>
<td>0.31</td>
</tr>
<tr>
<td>Air Flow Rate Standard Mode (H/M/L)⁶</td>
<td>300/282/265</td>
</tr>
<tr>
<td>External Static Pressure³ in wg</td>
<td>0.23</td>
</tr>
</tbody>
</table>

---

**Notes:**

1. Capacities are based on the following conditions.
   - Cooling: Indoor temp. 80°F DB / 67°F WB
   - Heating: Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB
   - Outdoor temp. 47°F DB / 43°F WB
   - Interconnecting Piping Length 25ft
   - Level Difference of 0ft
2. Capacities are net capacities.
3. Dimensions are for casing only and do not include hangers, control boxes, and pipes. See engineering manual for dimension details.
5. Factory shipped with high mode setting. Fan speed can be adjusted to compensate for additional external static pressure losses. See Engineering Manual for details.
6. External Static Pressure, as shipped from the factory, does not include air filter or connected ductwork, but applies to any fan speed.
7. Due to our policy of innovation some specifications may be changed without notification.

---

26
## Indoor Units

### DUCTED

**[ High Static ]**

**Large Chassis**

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU •••••A2</th>
<th>153BG</th>
<th>183BG</th>
<th>243BG</th>
<th>283BG</th>
<th>363BG</th>
<th>423BG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h</td>
<td>15,400</td>
<td>19,100</td>
<td>24,200</td>
<td>28,000</td>
<td>36,200</td>
<td>42,000</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>4.5</td>
<td>5.6</td>
<td>7.0</td>
<td>8.2</td>
<td>10.6</td>
<td>12.3</td>
<td></td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>17,000</td>
<td>21,500</td>
<td>27,100</td>
<td>31,500</td>
<td>40,600</td>
<td>43,800</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>5.0</td>
<td>6.3</td>
<td>8.0</td>
<td>9.2</td>
<td>11.9</td>
<td>13.8</td>
<td></td>
</tr>
<tr>
<td><strong>Power Input</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling W</td>
<td>450</td>
<td>450</td>
<td>450</td>
<td>450</td>
<td>450</td>
<td>450</td>
<td></td>
</tr>
<tr>
<td>Heating W</td>
<td>450</td>
<td>450</td>
<td>450</td>
<td>450</td>
<td>450</td>
<td>450</td>
<td></td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V / Hz / ø</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions(W×D×H)</strong> Body inch</td>
<td>53.0 x 19.2 x 11.7</td>
<td>53.0 x 19.2 x 11.7</td>
<td>53.0 x 19.2 x 11.7</td>
<td>53.0 x 19.2 x 11.7</td>
<td>53.0 x 19.2 x 11.7</td>
<td>53.0 x 19.2 x 11.7</td>
<td></td>
</tr>
<tr>
<td><strong>Weight lbs</strong></td>
<td>84</td>
<td>84</td>
<td>84</td>
<td>84</td>
<td>84</td>
<td>84</td>
<td></td>
</tr>
<tr>
<td><strong>Sound Pressure [H/M/L]</strong> dB(A)</td>
<td>31/36/33</td>
<td>41/39/37</td>
<td>42/39/37</td>
<td>42/41/40</td>
<td>44/43/42</td>
<td>45/44/44</td>
<td></td>
</tr>
<tr>
<td><strong>Air Flow Rate High Mode (H/M/L)</strong> CFM</td>
<td>487/447/293</td>
<td>537/487/411</td>
<td>617/537/487</td>
<td>915/851/770</td>
<td>1145/1024/894</td>
<td>1218/1141/1084</td>
<td></td>
</tr>
<tr>
<td><strong>External Static Pressure</strong> in wg</td>
<td>0.39</td>
<td>0.39</td>
<td>0.39</td>
<td>0.39</td>
<td>0.39</td>
<td>0.39</td>
<td></td>
</tr>
<tr>
<td><strong>Air Flow Rate Standard Mode (H/M/L)</strong> CFM</td>
<td>477/427/318</td>
<td>547/470/427</td>
<td>671/576/547</td>
<td>893/770/622</td>
<td>1003/894/770</td>
<td>1130/1003/961</td>
<td></td>
</tr>
<tr>
<td><strong>External Static Pressure</strong> in wg</td>
<td>0.31</td>
<td>0.31</td>
<td>0.31</td>
<td>0.31</td>
<td>0.31</td>
<td>0.31</td>
<td></td>
</tr>
</tbody>
</table>

### DUCTED

**[ High Static ]**

**Large Chassis**

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU •••••A2</th>
<th>483 BR</th>
<th>URNU 763 BB</th>
<th>URNU 963 BB</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h</td>
<td>48,100</td>
<td>76,400</td>
<td>95,500</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>14.1</td>
<td>22.4</td>
<td>28.0</td>
<td></td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>51,200</td>
<td>86,000</td>
<td>67,500</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>15.9</td>
<td>25.2</td>
<td>31.5</td>
<td></td>
</tr>
<tr>
<td><strong>Power Input</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling W</td>
<td>450</td>
<td>800</td>
<td>800</td>
<td></td>
</tr>
<tr>
<td>Heating W</td>
<td>450</td>
<td>800</td>
<td>800</td>
<td></td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V / Hz / ø</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions(W×D×H)</strong> Body inch</td>
<td>68.2 x 24.8 x 15.0</td>
<td>68.2 x 24.8 x 15.0</td>
<td>68.2 x 24.8 x 15.0</td>
<td></td>
</tr>
<tr>
<td><strong>Weight lbs</strong></td>
<td>117</td>
<td>192</td>
<td>192</td>
<td></td>
</tr>
<tr>
<td><strong>Sound Pressure [H/M/L]</strong> dB(A)</td>
<td>44/42/41</td>
<td>50/48/48</td>
<td>52/50/50</td>
<td></td>
</tr>
<tr>
<td><strong>Air Flow Rate High Mode (H/M/L)</strong> CFM</td>
<td>1582/1434/1176</td>
<td>2119/1766/1766</td>
<td>2542/2260/2260</td>
<td></td>
</tr>
<tr>
<td><strong>External Static Pressure</strong> in wg</td>
<td>0.55</td>
<td>0.86</td>
<td>0.86</td>
<td></td>
</tr>
<tr>
<td><strong>Air Flow Rate Standard Mode (H/M/L)</strong> CFM</td>
<td>1568/1395/1183</td>
<td>2260/1766/1766</td>
<td>2683/2260/2260</td>
<td></td>
</tr>
<tr>
<td><strong>External Static Pressure</strong> in wg</td>
<td>0.39</td>
<td>0.59</td>
<td>0.59</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:

1. Capacities are based on the following conditions:
   - Cooling: Indoor temp. 80°F DB / 67°F WB
   - Heating: Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB / 43°F WB
   - Interconnecting Piping Length 25ft
   - Level Difference of 0ft
2. Capacities are net capacities.
3. Dimensions are for casing only and do not include hangers, control boxes, and pipes. See engineering manual for dimensions details.
5. Factory shipped with high mode setting. Fan speed can be adjusted to compensate for additional external static pressure losses. See Engineering Manual for details.
6. External Static Pressure, as shipped from the factory, does not include air filter or connected ductwork, but applies to any fan speed.
7. Due to our policy of innovation some specifications may be changed without notification.
Indoor Units

With a vertical height of just 7 1/2 in., the convertible low static ducted units allow installation in ceilings. This ducted unit can be converted between rear and bottom return for maximum ducting flexibility. With minimal supply and return ducts, static pressure losses are almost non-existent. Ducted units can be installed in hotel guest rooms, lobbies, residencies or anywhere a unit must be concealed.

Operation
- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- Child lock
- Dual thermostat control
- Group control
- E.S.P. control
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Weekly schedule
- Soft dry (dehumidification)

Airflow
- Fan speed control

Filter
- Washable resin

Controllers
- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller¹

Other
- Condensate lift²
- Ventilation (Outside Air)³

---

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h kW</td>
<td>7,500 2.2</td>
<td>9,600 2.8</td>
<td>12,300 3.6</td>
<td>15,400 4.5</td>
<td>19,100 5.6</td>
<td>24,200 7.1</td>
<td></td>
</tr>
<tr>
<td>Heating Btu/h kW</td>
<td>8,500 2.5</td>
<td>10,900 3.2</td>
<td>13,600 4.0</td>
<td>17,100 5.0</td>
<td>21,500 6.3</td>
<td>27,300 8.0</td>
<td></td>
</tr>
<tr>
<td>Power Input</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling W</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>80</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>Heating W</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>80</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>Power Supply V Hz ø</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td></td>
</tr>
<tr>
<td>Dimensions W×D×H³</td>
<td>32.3 x 21.7 x 7.5</td>
<td>32.3 x 21.7 x 7.5</td>
<td>32.3 x 21.7 x 7.5</td>
<td>32.3 x 21.7 x 7.5</td>
<td>43.3 x 21.7 x 7.5</td>
<td>43.3 x 21.7 x 7.5</td>
<td></td>
</tr>
<tr>
<td>Net Weight lbs</td>
<td>47</td>
<td>47</td>
<td>47</td>
<td>47</td>
<td>58</td>
<td>58</td>
<td></td>
</tr>
<tr>
<td>Sound Pressure (H/M/L)⁴ dB(A)</td>
<td>29/26/26</td>
<td>32/29/26</td>
<td>33/30/29</td>
<td>34/33/31</td>
<td>40/37/34</td>
<td>43/40/37</td>
<td></td>
</tr>
<tr>
<td>Air Flow Rate High Mode CFM</td>
<td>300/265/229</td>
<td>335/300/265</td>
<td>371/335/300</td>
<td>406/371/335</td>
<td>565/494/424</td>
<td>671/600/530</td>
<td></td>
</tr>
<tr>
<td>External Static Pressure⁶ in wg</td>
<td>0.08</td>
<td>0.08</td>
<td>0.08</td>
<td>0.08</td>
<td>0.08</td>
<td>0.08</td>
<td></td>
</tr>
<tr>
<td>Air Flow Rate Standard Mode CFM</td>
<td>300/265/229</td>
<td>335/300/265</td>
<td>371/335/300</td>
<td>406/371/335</td>
<td>565/494/424</td>
<td>671/600/530</td>
<td></td>
</tr>
<tr>
<td>External Static Pressure⁶ in wg</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. Capacities are based on the following conditions: Cooling: Indoor temp. 80°F DB / 67°F WB; Heating: Indoor temp. 70°F DB;Outdoor temp. 90°F DB / 47°F DB; Interconnecting Piping Length 25 ft; Level Difference of 0 ft.
2. Capacities are net capacities.
3. Dimensions are for casing only and do not include hangers, control boxes and pipes. See engineering manual for dimension details.
5. Factory shipped with high mode setting. Fan speed can be adjusted to compensate for additional external static pressure losses. See Engineering Manual for details.
6. External Static Pressure, as shipped from the factory, does not include air filter or connected ductwork, but applies to any fan speed.
7. Due to our policy of innovation some specifications may be changed without notification.
The low static bottom return ducted indoor unit has a vertical depth of just 7 ½ inches, allowing installation in ceilings or soffits with minimal vertical clearance. This unit is easily tailored to installation in an entry soffit with optional suction canvas and/or grille (shown installed). With minimal supply and return ducts, static pressure losses are almost non-existent. Ducted units can be installed in hotel guest rooms, lobbies, residences, entries, or anywhere a unit must be concealed.

### Operation
- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- Child lock
- Dual thermostator control
- Group control
- E.S.P. control
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Weekly schedule
- Soft dry (dehumidification)

### Filter
- Washable resin

### Controllers
- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller¹

### Other
- Condensate lift²
- Ventilation (outside air)³
- Return air grille⁴
- Return air canvas⁴

### Airflow
- Fan speed control

---

### Table

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU****G2</th>
<th>073B3</th>
<th>093B3</th>
<th>123B3</th>
<th>153B3</th>
<th>183B4</th>
<th>243B4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling (Btu/h)</td>
<td>7,500</td>
<td>9,600</td>
<td>12,300</td>
<td>15,400</td>
<td>19,100</td>
<td>24,200</td>
<td></td>
</tr>
<tr>
<td>Heating (Btu/h)</td>
<td>8,500</td>
<td>10,900</td>
<td>13,600</td>
<td>17,100</td>
<td>21,500</td>
<td>27,300</td>
<td></td>
</tr>
<tr>
<td><strong>Power Input</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling (kW)</td>
<td>2.2</td>
<td>2.8</td>
<td>3.6</td>
<td>4.5</td>
<td>5.6</td>
<td>7.1</td>
<td></td>
</tr>
<tr>
<td>Heating (kW)</td>
<td>2.5</td>
<td>3.2</td>
<td>4</td>
<td>5</td>
<td>6.3</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V / Hz / ø</td>
<td>208-230 / 60 / 1</td>
<td>208-230 / 60 / 1</td>
<td>208-230 / 60 / 1</td>
<td>208-230 / 60 / 1</td>
<td>208-230 / 60 / 1</td>
<td>208-230 / 60 / 1</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions (W×D×H)</strong></td>
<td>32.3 x 22.6 x 7.5</td>
<td>32.3 x 22.6 x 7.5</td>
<td>32.3 x 22.6 x 7.5</td>
<td>32.3 x 22.6 x 7.5</td>
<td>32.3 x 22.6 x 7.5</td>
<td>32.3 x 22.6 x 7.5</td>
<td></td>
</tr>
<tr>
<td><strong>Net Weight</strong></td>
<td>47</td>
<td>47</td>
<td>47</td>
<td>47</td>
<td>58</td>
<td>58</td>
<td></td>
</tr>
<tr>
<td><strong>Sound Pressure (H/M/L)</strong></td>
<td>33/32/29</td>
<td>34/33/32</td>
<td>35/34/33</td>
<td>41/40/37</td>
<td>43/40/37</td>
<td>46/43/37</td>
<td></td>
</tr>
<tr>
<td><strong>Air Flow Rate High Mode (H/M/L)</strong></td>
<td>283/229/197</td>
<td>318/247/212</td>
<td>353/282/229</td>
<td>388/353/283</td>
<td>494/424/353</td>
<td>600/530/353</td>
<td></td>
</tr>
<tr>
<td><strong>External Static Pressure</strong></td>
<td>0.08</td>
<td>0.08</td>
<td>0.08</td>
<td>0.08</td>
<td>0.08</td>
<td>0.08</td>
<td></td>
</tr>
<tr>
<td><strong>External Static Pressure</strong></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

### Notes
1. Capacities are based on the following conditions:
   - Cooling: Indoor temp. 80°F DB / 67°F WB
   - Heating: Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB
   - Outdoor temp. 47°F DB / 43°F WB
   - Interconnecting Piping Length 25ft

2. Capacities are not capacities.
3. Dimensions are for casing only and do not include hangers, control boxes and pipes. See engineering manual for dimension details.
5. Factory shipped with high mode setting. Fan speed can be adjusted to compensate for additional external static pressure losses. See Engineering Manual for details.
6. External Static Pressure, as shipped from the factory, does not include air filter or connected ductwork, but applies to any fan speed.
7. Due to our policy of innovation some specifications may be changed without notification.

---

¹: Must be used in conjunction with a zone controller
²: 27 ½ inches from bottom of unit
³: Temperature, humidity, and volume limitations apply
⁴: See Engineering Manual for condition limits
⁵: Optional (see page 42)
Vertical (Upflow)/Horizontal (Left) Air Handler units offer capacities from 1.5 to 4.5 tons. With external static pressure capabilities up to one inch water gauge, this unit can be applied in conventional or retrofit applications that previously used vertical upflow or horizontal left air handling units.

### Operation
- Auto operation
- Auto restart
- Child lock
- Dual thermistor control
- E.S.P. control
- Group control
- Hot start
- Self diagnostics
- Sleep mode
- Soft dry (dehumidification)
- Timer (on/off)

### Airflow
- Fan speed control
- Vertical up
- Horizontal left

### Filter
- Filter rack (filter is field supplied)

### Controllers
- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller¹

### Other
- Condensate lift²
- Secondary gravity drain connection
- Ventilation (Outside Air)³
- Electric heater (optional)⁴

---

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU•••••A2</th>
<th>183NJ</th>
<th>243NJ</th>
<th>303NJ</th>
<th>363NJ</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h</td>
<td>18,000</td>
<td>24,000</td>
<td>30,000</td>
<td>36,000</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>5.3</td>
<td>7.0</td>
<td>8.8</td>
<td>10.6</td>
<td></td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>20,000</td>
<td>27,000</td>
<td>34,000</td>
<td>40,000</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>5.9</td>
<td>7.9</td>
<td>10</td>
<td>11.7</td>
<td></td>
</tr>
<tr>
<td><strong>Power Input</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling W</td>
<td>800</td>
<td>120</td>
<td>178</td>
<td>228</td>
<td></td>
</tr>
<tr>
<td>Heating W</td>
<td>800</td>
<td>120</td>
<td>178</td>
<td>228</td>
<td></td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V / Hz / ø</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W×D×H (inch)</td>
<td>18 x 21.3 x 48.6</td>
<td>18 x 21.3 x 48.6</td>
<td>18 x 21.3 x 48.6</td>
<td>18 x 21.3 x 48.6</td>
<td></td>
</tr>
<tr>
<td><strong>Net Weight</strong></td>
<td>lbs</td>
<td>117</td>
<td>117</td>
<td>117</td>
<td>121</td>
</tr>
<tr>
<td><strong>Sound Pressure (K/Nm³)</strong></td>
<td>dB(A)</td>
<td>42/41/39</td>
<td>43/42/41</td>
<td>44/43/42</td>
<td>45/44/43</td>
</tr>
<tr>
<td><strong>High Air Flow Rate Mode (H/ML)²</strong></td>
<td>CFM</td>
<td>530/480/380</td>
<td>710/640/480</td>
<td>880/800/630</td>
<td>990/880/800</td>
</tr>
<tr>
<td><strong>External Static Pressure²</strong></td>
<td>in wg</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
</tr>
<tr>
<td><strong>Standard Air Flow Rate Mode (H/ML)³</strong></td>
<td>CFM</td>
<td>530/480/380</td>
<td>710/640/480</td>
<td>880/800/630</td>
<td>990/880/800</td>
</tr>
<tr>
<td><strong>External Static Pressure³</strong></td>
<td>in wg</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
</tr>
</tbody>
</table>

---

1. Must be used in conjunction with a zone controller
2. 27 ½ inches from bottom of unit
3. Temperature, humidity, and volume limitations apply
4. See Engineering Manual for condition limits
5. Refer to the installation manual for important electrical safety and functional information.
### Notes:

1. Capacities are based on the following conditions:
   - Cooling: Indoor temp. 80°F DB / 67°F WB
   - Heating: Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB
   - Outdoor temp. 47°F DB / 43°F WB
   - Interconnecting Piping Length 25ft
   - Level Difference of Off

2. Capacities are net capacities.

3. Dimensions are for casing only and do not include hangers, control boxes and pipes. See engineering manual for dimension details.


5. Factory shipped with high mode setting. Fan speed can be adjusted to compensate for additional external static pressure losses. See Engineering Manual for details.

6. External Static Pressure, as shipped from the factory, does not include air filter or connected ductwork, but applies to any fan speed.

7. Due to our policy of innovation some specifications may be changed without notification.

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU ** • • • • **</th>
<th>423NK</th>
<th>483NK</th>
<th>543NK</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling</td>
<td>Btu/h</td>
<td>42,000</td>
<td>48,000</td>
<td>54,000</td>
</tr>
<tr>
<td>Heating</td>
<td>Btu/h</td>
<td>46,000</td>
<td>54,000</td>
<td>60,000</td>
</tr>
<tr>
<td><strong>Power Input</strong></td>
<td>kW</td>
<td>12.3</td>
<td>14.1</td>
<td>15.8</td>
</tr>
<tr>
<td>Cooling</td>
<td>W</td>
<td>13.5</td>
<td>15.8</td>
<td>17.6</td>
</tr>
<tr>
<td>Heating</td>
<td>W</td>
<td>260</td>
<td>330</td>
<td>366</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling</td>
<td>V / Hz / ø</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
</tr>
<tr>
<td>Heating</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>lbs</td>
<td>260</td>
<td>330</td>
<td>330</td>
</tr>
<tr>
<td><strong>Sound Pressure (H/M/L)</strong></td>
<td>dB(A)</td>
<td>46/44/41</td>
<td>49/46/41</td>
<td>50/49/47</td>
</tr>
<tr>
<td><strong>High Air Flow Rate Mode (H/M/L)</strong></td>
<td>CFM</td>
<td>1,250/1,100/1,000</td>
<td>1,400/1,260/1,000</td>
<td>1,275/1,400/1,260</td>
</tr>
<tr>
<td><strong>Standard Air Flow Rate Mode (H/M/L)</strong></td>
<td>CFM</td>
<td>1,250/1,100/1,000</td>
<td>1,400/1,260/1,000</td>
<td>1,275/1,400/1,260</td>
</tr>
<tr>
<td><strong>External Static Pressure</strong></td>
<td>in wg</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
</tr>
</tbody>
</table>

### Notes:

1. Capacities are based on the following conditions.
   - Cooling: Indoor temp. 80°F DB / 67°F WB
   - Heating: Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB
   - Outdoor temp. 47°F DB / 43°F WB
   - Interconnecting Piping Length 25ft
   - Level Difference of Off

2. Capacities are net capacities.

3. Dimensions are for casing only and do not include hangers, control boxes and pipes. See engineering manual for dimension details.


5. Factory shipped with high mode setting. Fan speed can be adjusted to compensate for additional external static pressure losses. See Engineering Manual for details.

6. External Static Pressure, as shipped from the factory, does not include air filter or connected ductwork, but applies to any fan speed.

7. Due to our policy of innovation some specifications may be changed without notification.
The Ceiling Suspended indoor unit is hung from the ceiling unobtrusively. These units are ideal for retrofit applications where plenum space is not available. Ceiling suspended units can be installed in dormitories, entries, storerooms, offices, or anywhere ceiling suspended units are desired.

### Operation
- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- Child lock
- Dual thermistor control
- Forced operation
- Group control
- High ceiling
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Weekly schedule
- Soft dry (dehumidification)

### Airflow
- Auto direction/swing (up/down)
- Auto direction/swing (left/right)
- Fan speed control
- Chaos wind (random fan speed)
- Jet cool (fast cooling)

### Filter
- Washable resin

### Controllers
- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller

### Other
- Gravity drain connection

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU•••••A2</th>
<th>18.3 VJ</th>
<th>24.3 VJ</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h</td>
<td>19,100</td>
<td>24,200</td>
<td></td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>21,500</td>
<td>27,300</td>
<td></td>
</tr>
<tr>
<td>Cooling kW</td>
<td>5.6</td>
<td>7.1</td>
<td></td>
</tr>
<tr>
<td>Heating kW</td>
<td>6.3</td>
<td>8.0</td>
<td></td>
</tr>
<tr>
<td><strong>Power Input</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling W</td>
<td>6.3</td>
<td>6.3</td>
<td>6.3</td>
</tr>
<tr>
<td>Heating W</td>
<td>6.3</td>
<td>6.3</td>
<td>6.3</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling V / Hz / ø</td>
<td>208 / 230 / 60 / 1</td>
<td>208 / 230 / 60 / 1</td>
<td>208 / 230 / 60 / 1</td>
</tr>
<tr>
<td>Heating V / Hz / ø</td>
<td>374 x 8.7 x 25.6</td>
<td>374 x 8.7 x 25.6</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td></td>
<td>55 lb</td>
<td>55 lb</td>
</tr>
<tr>
<td><strong>Sound Pressure (LwA)</strong></td>
<td>42 / 40 / 37</td>
<td>43 / 41 / 39</td>
<td></td>
</tr>
<tr>
<td><strong>Air Flow Rate (CFM)</strong></td>
<td>565 / 495 / 424</td>
<td>636 / 565 / 495</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
1. Capacities are based on the following conditions:
   - Cooling-Indoor temp. 80°F DB / 67°F WB
   - Heating-Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB
   - Outdoor temp. 47°F DB / 43°F WB
   - Interconnecting Piping Length 25ft
   - Level Difference of 0ft
2. Capacities are net capacities.
4. Due to our policy of innovation some specifications may be changed without notification.
Installed near the floor or suspended from the ceiling, the Convertible Surface Mounted unit offers installation flexibility. These units are great for retrofit applications where plenum space is not available. Convertible surface mounted units can be installed in dormitories, entries, storerooms, hotel guest rooms, schools, offices, or anywhere floor and ceiling suspended units are desired.

### Operation
- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- Child lock
- Dual thermistor control
- Forced operation
- Group control
- High ceiling
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Weekly schedule
- Soft dry (dehumidification)

### Airflow
- Auto direction/swing (up/down)
- Auto direction/swing (left/right)
- Fan speed control
- Chaos swing (random louver swing)
- Chaos wind (random fan speed)
- Jet cool (fast cooling)

### Filter
- Washable resin

### Controllers
- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller

### Other
- Gravity drain connection

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU•••••A2</th>
<th>O93 VE</th>
<th>123 VE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h</td>
<td>9,600</td>
<td>12,300</td>
<td>12,300</td>
</tr>
<tr>
<td></td>
<td>10,900</td>
<td>13,600</td>
<td>13,600</td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>2.8</td>
<td>3.6</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>3.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Power Input</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling W</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Heating W</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V / Hz / ø</td>
<td>208-230 / 60 / 1</td>
<td>208-230 / 60 / 1</td>
<td>208-230 / 60 / 1</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(W×D×H)</td>
<td>35.4 x 7.9 x 19.3</td>
<td>35.4 x 7.9 x 19.3</td>
<td>35.4 x 7.9 x 19.3</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>lbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>31</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sound Pressure</strong></td>
<td>dB(A)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>36/32/28</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Air Flow Rate</strong></td>
<td>CFM</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>268/243/219</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>325/268/244</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes:
1. Capacities are based on the following conditions:
   - Cooling: Indoor temp. 80°F DB / 67°F WB
   - Heating: Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB
   - Outdoor temp. 47°F DB / 43°F WB
   - Interconnecting Piping Length: 25ft
2. Capacities are net capacities.
4. Due to our policy of innovation some specifications may be changed without notification.
Floor Standing indoor units with an architectural case offer quiet operation. A 7 day programmable controller can be mounted on the unit. Filters at the bottom of the unit are easy to access for cleaning and replacement. These units are ideal for retrofit applications where radiators are being replaced. Floor standing units can be installed in hotel guest rooms, schools, offices, dormitories, entries, storerooms, churches or anywhere floor standing units are desired.

### Operation
- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- Child lock
- Dual thermistor control
- E.S.P. control
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Weekly schedule
- Soft dry (dehumidification)

### Airflow
- Fan speed control

### Filter
- Washable resin

### Controllers
- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller¹

### Other
- Gravity drain connection

---

#### Floor Standing [With Case]

#### Model
- ARNU **** A2
- A2 073 CE 093 CE 123 CE 153 CE 183 CF 243 CF

#### Capacity
<table>
<thead>
<tr>
<th></th>
<th>073 CE</th>
<th>093 CE</th>
<th>123 CE</th>
<th>153 CE</th>
<th>183 CF</th>
<th>243 CF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling Btu/h</td>
<td>7,500</td>
<td>9,600</td>
<td>12,300</td>
<td>15,400</td>
<td>19,100</td>
<td>24,200</td>
</tr>
<tr>
<td>kW</td>
<td>2.2</td>
<td>2.8</td>
<td>3.6</td>
<td>4.5</td>
<td>5.6</td>
<td>7.1</td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>8,500</td>
<td>10,900</td>
<td>13,600</td>
<td>17,100</td>
<td>21,500</td>
<td>27,300</td>
</tr>
<tr>
<td>kW</td>
<td>2.5</td>
<td>3.2</td>
<td>4</td>
<td>5</td>
<td>6.3</td>
<td>8</td>
</tr>
</tbody>
</table>

#### Power Input
<p>| | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling W</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Heating W</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
</tbody>
</table>

#### Power Supply V / Hz / ø
- Cooling: 208-230 / 60 / 1
- Heating: 208-230 / 60 / 1

#### Dimensions [W×D×H] Body Inch
- 42 x 8 x 25.0
- 42 x 8 x 25.0
- 42 x 8 x 25.0
- 42 x 8 x 25.0
- 52.9 x 8 x 25.0
- 52.9 x 8 x 25.0

#### Weight Lbs
- 60
- 60
- 60
- 60
- 75
- 75

#### Sound Pressure (H/M/L)³ dB(A)
- 35/33/31
- 36/34/32
- 37/35/33
- 38/37/35
- 40/37/34
- 43/40/37

#### Air Flow Rate (H/M/L) CFM
- 300/265/229
- 335/300/265
- 371/335/300
- 406/353/335
- 565/494/424
- 635/565/494

---

Notes:
1. Capacities are based on the following conditions:
   - Cooling: Indoor temp. 80°F DB / 67°F WB
   - Heating: Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB
   - Outdoor temp. 47°F DB / 43°F WB
   - Interconnecting Piping Length 25ft
   - Level Difference of Off
2. Capacities are net capacities
4. Due to our policy of innovation some specifications may be changed without notification.

---

1: Must be used in conjunction with a zone controller.
Floor Standing indoor units operate quietly. Floor standing indoor units without an architectural case can be installed with aftermarket cabinets or built into a perimeter wall. These units are ideal for retrofit applications where vertical fan coils or radiators are being replaced. Floor standing units can be installed in hotel guest rooms, schools, offices, dormitories, entries, storerooms, churches or anywhere floor standing units are desired.

### Operation
- Auto changeover (Heat Recovery only)
- Auto operation
- Auto restart
- Child lock
- Dual thermistor control
- E.S.P. control
- Hot start
- Self diagnostics
- Sleep mode
- Timer (on/off)
- Weekly schedule
- Soft dry (dehumidification)

### Airflow
- Fan speed control

### Filter
- Washable resin

### Controllers
- 7-day programmable controller
- Simple controller with mode
- Simple controller without mode
- Wireless handheld controller¹

### Other
- Gravity drain connection

---

### FLOOR STANDING

[Without Case]

---

### Notes:
1. Capacities are based on the following conditions:
   - Cooling-Indoor temp. 80°F DB / 67°F WB
   - Heating-Indoor temp. 70°F DB
   - Outdoor temp. 95°F DB / 43°F WB
   - Interconnecting Piping Length 25ft
   - Level Difference of 0ft
2. Capacities are net capacities.
4. Due to our policy of innovation some specifications may be changed without notification.

---

### Table

<table>
<thead>
<tr>
<th>Model</th>
<th>ARNU **** U2</th>
<th>O73 CE</th>
<th>O93 CE</th>
<th>123 CE</th>
<th>153 CE</th>
<th>183 CF</th>
<th>243 CF</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Btu/h</td>
<td>7,500</td>
<td>9,600</td>
<td>12,300</td>
<td>15,400</td>
<td>19,100</td>
<td>24,200</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>2.2</td>
<td>2.8</td>
<td>3.6</td>
<td>4.5</td>
<td>5.6</td>
<td>7.1</td>
<td></td>
</tr>
<tr>
<td>Heating Btu/h</td>
<td>8,500</td>
<td>10,900</td>
<td>13,600</td>
<td>17,100</td>
<td>21,500</td>
<td>27,300</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>2.5</td>
<td>3.2</td>
<td>4</td>
<td>5</td>
<td>6.3</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

| **Power Input** | | | | | | |
| Cooling W | 30 | 30 | 30 | 30 | 30 | 30 |
| Heating W | 30 | 30 | 30 | 30 | 30 | 30 |

| **Power Supply** | | | | | | |
| V / Hz / ø | 208-230 / 60 / 1 | 208-230 / 60 / 1 | 208-230 / 60 / 1 | 208-230 / 60 / 1 | 208-230 / 60 / 1 | 208-230 / 60 / 1 |

| **Dimensions (W+D+H)** | | | | | | |
| Body inch | 38.5 x 7.5 x 25.2 | 38.5 x 7.5 x 25.2 | 38.5 x 7.5 x 25.2 | 38.5 x 7.5 x 25.2 | 49.5 x 7.5 x 25.2 | 49.5 x 7.5 x 25.2 |

| **Weight** | lbs | 45 | 45 | 45 | 45 | 60 |

| **Sound Pressure (LW)²** | dBA | 35/33/31 | 36/34/32 | 37/35/33 | 38/37/35 | 40/37/34 | 43/40/37 |

| **Air Flow Rate (CFM)** | | 300/255/229 | 335/300/265 | 377/335/300 | 406/353/335 | 565/494/424 | 635/565/494 |

¹ Must be used in conjunction with a zone controller.
**Accessories**

**Auto Elevation Grille Kit**
(PTEGMO)

Capable of lowering the filter to 14 ¾ ft. below the unit, the auto elevation grille provides easy access to the filter for cleaning in high ceiling applications. The auto elevation grille kit is available on TM, TN, TP chassis 4-Way Ceiling Cassettes.

**Ventilation Kit**
(PTVK410, PTVK420 & PTVK430)

The ventilation kit for use with 4-way ceiling cassettes allows fresh air to be brought directly into the unit.

**Return Air Grille and Return Air Canvas**

Applied together or alone, the return air grille and canvas can be used with the low static bottom return ducted indoor unit. The return air grille and return air canvas match up to the low static bottom return ducted indoor units.

<table>
<thead>
<tr>
<th>Return Air Grille</th>
<th>Return Air Canvas</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-15MBh</td>
<td>18 - 24MBh</td>
</tr>
<tr>
<td>PBSGB30</td>
<td>PBSC30</td>
</tr>
<tr>
<td>PBSGB40</td>
<td>PBSC40</td>
</tr>
</tbody>
</table>

**Notes**
1. It is imperative to carefully consider volume and conditions of fresh air for proper indoor unit operation. Mixed air temperature cannot exceed 70°F WB for cooling or be lower than 59°F DB for heating.
2. The PTVK410 + PTVK420 are for use with TP, TN and TM models.
3. The PTVK430 is for use with TR, TQ, TP, TN and TM models.
Optional ARTCOOL™ Mirror panels are available in silver and blue.

<table>
<thead>
<tr>
<th>Frame</th>
<th>Silver</th>
<th>Blue</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE 7-15MBh</td>
<td>PSAPECV10</td>
<td>PSAECB10</td>
</tr>
<tr>
<td>S8 18-24MBh</td>
<td>PSAP8CV10</td>
<td>PSAP8CB10</td>
</tr>
</tbody>
</table>

Headers and Y-Branches are specially designed and manufactured under tight quality control for low pressure drop to ensure the Multi V system operates at peak performance with the longest piping runs in the industry.

The optional group control kit includes “Y” cable and extension cable and is required when grouping multiple indoor units with a single zone controller or multiple zone controllers. Each indoor unit beyond the first and each additional remote controller will require one group control kit.

*Cable may be field supplied for 4-Way Ceiling Cassettes (TM, TN, TP frames)*

The group control extension cable is used to increase the distance between a remote controller and an indoor unit or between indoor units in a control group. This extension provides an additional 32 feet of cable.

*Cable may be field supplied for 4-Way Ceiling Cassettes (TM, TN, TP frames)*

Wired Remote Group Control Kit
(PZCWRG3)

Wired Remote Group Control Extension Cable
(PZCWRG1)

Mirror Panel

Optional ARTCOOL™ Mirror panels are available in silver and blue.

Wired Remote Group Control
Extension Cable
(PZCWRG3)

Headers and Y-Branches

Wired Remote Group Control
Extension Cable
(PZCWRG1)
Distributed by:
Supersedes: New