AIRSTAGE™ VR-II

Simultaneous cooling & heating operation with Heat Recovery System

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The inverter compressor control is highly precise allowing for speed control as low as 0.1 Hz steps.

The new VR-II systems can be easily designed and installed due to the flexible piping and RB unit options available.

Any errors that occur can be easily diagnosed by checking the operational status of the product via the remote controller.

New Heat Recovery

Variable Refrigerant Flow System
For Small and Large Buildings
- Extensive lineup from 6 to 24 tons
- Connectable capacity ratio up to 150%
- 33 different indoor units available in 9 styles
- Up to 45 indoor units per one VRF system
- Three outdoor units may be combined with twining kits to create up to 24 tons
- 5-Year Parts, 7-Year Compressor Warranty. See Warranty Statement for details.
- Extensive training for Engineers, Architects, Contractors and Distributors

Easy Design & Installation
The new VR-II systems can be easily designed and installed due to the flexible piping and RB unit options available.

Easy Operation
- High Efficiency Compressor.
- Large LCD Touch Panel Controller.
- New optional wired controller includes largest LCD touch panel display in the industry.

Easy Maintenance & Troubleshooting
Any errors that occur can be easily diagnosed by checking the operational status of the product via the remote controller.
The operation mode can be freely changed when there are large temperature differences during the day, such as between seasons. Cooling and heating can be freely selected for each indoor unit to provide simultaneous cooling and heating in rooms with large temperature differences.

Use annual cooling operation for the rooms and other spaces that require constant temperature control throughout the year. Our Heat recovery systems achieve high operating energy efficiency by drawing heat from the room to be cooled and transferring it as energy for rooms that are to be heated.

Energy saving functions

Heat exchanger refrigerant control

The heat exchanger in the outdoor unit is split into two parts (Top and Bottom). The efficiency of the heat exchanger has been improved by adopting an optimum refrigerant path control. More refrigerant is distributed into the top heat exchanger where there is greater air flow intake.

Multiple outdoor operation control

When multiple outdoor units are connected, a sophisticated operation is performed by each compressor. Rather than running one compressor at full load and distributing refrigerant to one heat exchanger, this control method operates all compressors at part load and distributes refrigerant to all of the heat exchangers. This allows for improved overall system efficiency.
New Touch Panel
Wired Remote Controller

The new wired remote controller has an easy to use LCD touch panel. This new controller has a back light function and can easily control the system to provide better energy savings. Operation and error status can be checked easily via the wired remote controller. The wired remote controller complies with California Title 24 (2008 Building Energy Efficiency Standards).

Flexible piping connection suitable for various applications

With many piping and RB unit options available, designing a piping system to suit most applications has been made more flexible and easy.
FEATUERS

Easy Installation

Flexible installation of Refrigerant Branch (RB) unit

- Small & slim design saves space
- A drain pipe is not required
- The control box position can be changed to meet the installation conditions

RB unit (single type)

RB unit (multi type)

- Small design saves space
- A drain pipe is not required
- Simple installation series connection design

Height
7-13/16in (198mm)

Freedom to mount control box from either side.

Mount control box vertically in narrow spaces.

Easy Maintenance & Service

Service Tool (UTY-ASGX)
Provides extensive monitoring and analysis functions for installation and maintenance.

Wiring connection

*USB Adapter is U10 USB Network interface of Echelon Corporation.

Function
1) System List
2) Equipment Detail (Diagram)
3) Equipment Detail (List)
4) Operation History
5) Error History
6) Remote File Download
7) Commissioning Tool
8) Network Topology Analyzer
9) Remote Setting
10) System Time Setting
11) Central Release
12) Model Name Writer
13) Error Memory Reader
14) Time Guard Information

Easy connection using USB adapter
**Outdoor units lineup**

<table>
<thead>
<tr>
<th>Capacity range (Btu/h)</th>
<th>7,000</th>
<th>9,000</th>
<th>12,000</th>
<th>14,000</th>
<th>18,000</th>
<th>24,000</th>
<th>30,000</th>
<th>36,000</th>
<th>48,000</th>
<th>60,000</th>
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<tbody>
<tr>
<td>Compact Cassette¹</td>
<td>AUUA7TLAV</td>
<td>AUUA9TLAV</td>
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<td>Slim Compact Duct</td>
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<td>ARUH240TLAV</td>
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<td>ASUB120TLAV</td>
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1. Compact Cassette Grille UTG-CCGV sold separately. Must order one with each Compact Cassette.
2. Cassette Grille UTG-LCDV sold separately. Must order one with each Cassette.