Hydronic Air Handler

VIESSMANN AIRFLOW PLUS
Viessmann AirflowPLUS, AH2A

Heating capacity: 28 - 115 MBH
Cooling capacity: 1.5 - 5 tons

The Viessmann AirflowPLUS works directly with a Viessmann boiler to provide perfectly conditioned air for any home or small commercial building all year round.

Maximum comfort
The Viessmann AirflowPLUS uses micro-processor control technology for maximum comfort by providing warm or cool comfortable conditioned air with the quietest of operations. The integrated control logic provides efficient management of multistage heating and cooling systems which allows for greater energy savings, reduced utility bills and a healthier indoor environment.

During the heating cycle, the high efficiency ECM fan motor provides a gradual flow of warm comfortable air without the noise and on/off operations of typical set speed PSC blowers.* This gradual increase of fan speed prevents the circulation of cool air and also allows your ductwork to warm up reducing duct expansion noises.

Perfectly matched system components
The Viessmann AirflowPLUS is specifically designed to deliver the most comfortable indoor environment you deserve. Manufactured to precise specifications which allow the addition of pre-wired components such as central air-conditioners, and air cleaners.

Optimum efficiency
Unlike standard forced air furnaces, the Viessmann AirflowPLUS is capable of covering a wider range of heating output. This allows the unit to precisely match the heating load of even the most energy efficient homes. With this wide range of outputs, there are fewer on/off cycles, reducing wear and tear on the unit, increasing longevity and optimizing fuel efficiency.

Ease of installation and service
The Viessmann AirflowPLUS provides numerous installation configurations in homes and small commercial buildings. For ease of service and maintenance, all components slide out on rails.

The versatile design allows the AH2A to be installed in an upflow, downflow, or horizontal configuration to suit your particular application. For ease of duct work installation, the Viessmann AirflowPLUS is equipped with an integrated filter rack for bottom return and an external filter rack for other return air options. Installing a Viessmann AirflowPLUS is simple and straightforward with a reversible pre-cut bottom or side return air openings. Engineered with leveling legs, the unit is able to remain stable on uneven floors allowing for air circulation under the unit. This prevents moisture from trapping under the unit. The Viessmann AirflowPLUS is equipped with a light-weight, durable composite circulator pump which is less susceptible to water quality issues contributing to a long service life and dependable performance.

Industry-leading safety and protection
Built-in control sensors provide A/C cooling coil protection and heating coil protection, the Viessmann AirflowPLUS provides whole house freeze protection, in case of thermostat failure. This ensures your system will run safely for years to come.

* ECM Electronically Commutated Motor
PSC Permanent Split Capacity
Benefits at a glance

- Ideal cooling and dehumidification when combined with an evaporator coil and air-conditioning unit.
- Quiet performance as a result of a fully insulated cabinet.
- High-efficiency ECM fan motor designed for improved air circulation, humidity control and consistent temperatures for maximum comfort.
- Pre-configured for use with additional components such as central air, humidifiers, and electronic air cleaners.
- Durable composite circulator pump which is less susceptible to water quality issues.
- Visually appealing with rear terminating water connections keeping all piping hidden behind the unit.
- Easy service and maintenance access with all components on slide out rails.
- Versatile installation options with built-in filter rack for upflow, downflow, and horizontal installations.
- Integrated safety sensors provide constant monitoring of your home in case of thermostat failure.
- Adjustable feet allow the unit to remain stable on uneven surfaces.
- Trouble-free transportation into utility room with built-in carrying handles.

Viessmann Airflow PLUS

1. Operating and diagnostic LED display
2. Easy access slide out rails
3. Hot water coils
4. Integrated control sensors
5. Rear terminating water connections
6. Composite circulator pump
7. Precut left or right side and bottom return access (shown) and adjustable feet (not shown)
8. High-efficiency ECM fan motor
9. Micro-processor control
10. Fully insulated cabinet
11. Built-in filter rack

System technology from Viessmann

1. Vitotrol app
2. Air conditioner
3. Supply air
4. Air handler
5. Boiler
6. Thermostat
7. Return air
# Technical Data

## Viessmann AirflowPLUS hydronic air handler

<table>
<thead>
<tr>
<th>Model</th>
<th>AH2A-213</th>
<th>AH2A-354</th>
<th>AH2A-385</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Heating MBH</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>°F (°C) 120 (49)</td>
<td>28</td>
<td>44</td>
<td>51</td>
</tr>
<tr>
<td>°F (°C) 140 (60)</td>
<td>46</td>
<td>61</td>
<td>74</td>
</tr>
<tr>
<td>°F (°C) 160 (71)</td>
<td>62</td>
<td>83</td>
<td>90</td>
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<tr>
<td>°F (°C) 180 (82)</td>
<td>72</td>
<td>98</td>
<td>115</td>
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<tr>
<td><strong>Flow</strong></td>
<td>USG/min</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td><strong>Cooling Capacity</strong></td>
<td>tons</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.5 - 3</td>
<td>2.5 - 4</td>
<td>3.5 - 5</td>
</tr>
<tr>
<td><strong>Dimension</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>in. (mm)</td>
<td>18 (457)</td>
<td>22 (559)</td>
</tr>
<tr>
<td>Height</td>
<td>in. (mm)</td>
<td>32.5 (825)</td>
<td>34.5 (876)</td>
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<tr>
<td>Depth (Length)</td>
<td>in. (mm)</td>
<td>22.75 (578)</td>
<td>23 (584)</td>
</tr>
<tr>
<td><strong>Supply Air Opening</strong></td>
<td>in. (mm)</td>
<td>16 x 20 (406 x 508)</td>
<td>20 x 20 (508 x 508)</td>
</tr>
<tr>
<td><strong>Return Air Opening</strong></td>
<td>in. (mm)</td>
<td>14 x 18 (356 x 457)</td>
<td>18 x 18 (457 x 457)</td>
</tr>
<tr>
<td><strong>Shipping Weight</strong></td>
<td>lbs (kg)</td>
<td>85 (39)</td>
<td>100 (45)</td>
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