

Hydronic Air Handler

VISSMANN

VISSMANN AIRFLOWPLUS



Hydronic Air Handler

Viessmann Airflow**PLUS**, AH2A

Heating capacity: 28 - 115 MBH

Cooling capacity: 1.5 - 5 tons

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

Compatible with all Vitodens boilers and Vitocrossal 300, CU3A



Viitodens 100



Viitodens 200



Viitodens 222-F



Vitocrossal 300, CU3A

Maximum comfort

The Viessmann Airflow**PLUS** 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 Airflow**PLUS** 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 Airflow**PLUS** 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

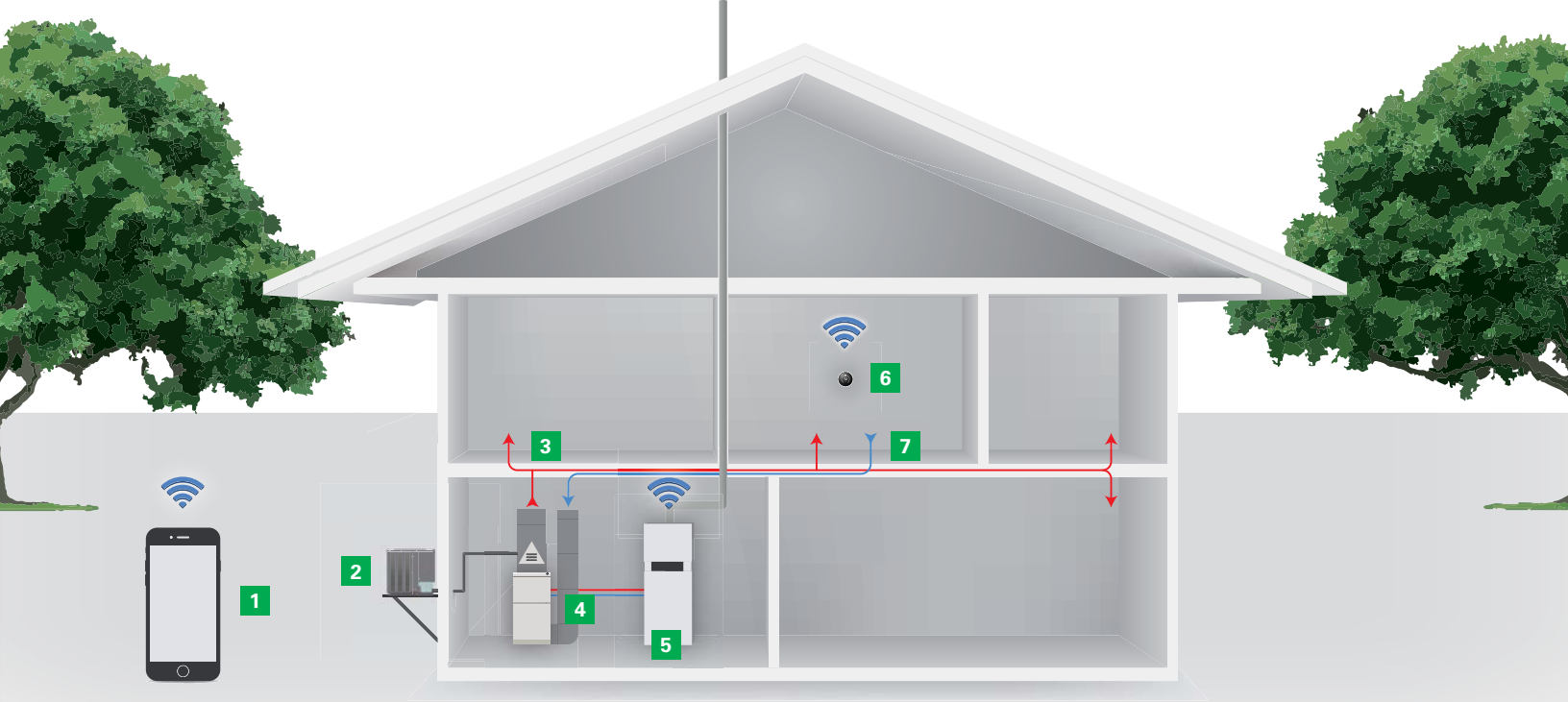
The Viessmann Airflow**PLUS** provides numerous installation configurations in homes and small commercial buildings. For ease of service and maintenance, all components slide out on rails.

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 Airflow**PLUS** is equipped with an integrated filter rack for bottom return and an external filter rack for other return air options. Installing a Viessmann Airflow**PLUS** 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 Airflow**PLUS** 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

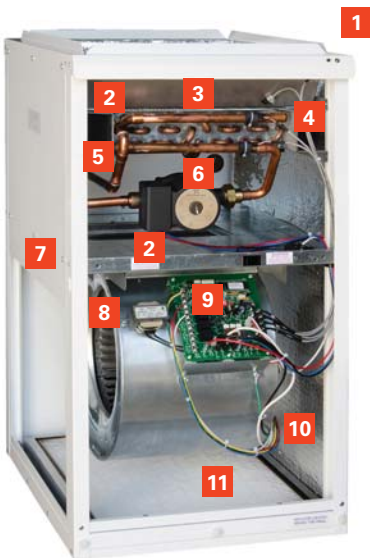
Built-in control sensors provide A/C cooling coil protection and heating coil protection, the Viessmann Airflow**PLUS** provides whole house freeze protection, in case of thermostat failure. This ensures your system will run safely for years to come.

* ECM Electronically Commutated Motor
PSC Permanent Split Capacity



System technology from Viessmann

- | | | |
|--------------------------|----------------------|---------------------|
| 1 Vitotrol app | 4 Air handler | 7 Return air |
| 2 Air conditioner | 5 Boiler | |
| 3 Supply air | 6 Thermostat | |



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

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.

Technical Data



Viessmann AirflowPLUS hydronic air handler

Model		AH2A-213	AH2A-354	AH2A-385	
Heating MBH	°F (°C)	120 (49)	28	44	51
	°F (°C)	140 (60)	46	61	74
	°F (°C)	160 (71)	62	83	90
	°F (°C)	180 (82)	72	98	115
Flow	USG/min	3	5	5	
Cooling Capacity	tons	1.5 - 3	2.5 - 4	3.5 - 5	
Dimension					
Width	in. (mm)	18 (457)	22 (559)	22 (559)	
Height	in. (mm)	32.5 (825)	34.5 (876)	34.5 (876)	
Depth (Length)	in. (mm)	22.75 (578)	23 (584)	28 (711)	
Supply Air Opening	in. (mm)	16 x 20 (406 x 508)	20 x 20 (508 x 508)	20 x 25 (508 x 635)	
Return Air Opening	in. (mm)	14 x 18 (356 x 457)	18 x 18 (457 x 457)	18 x 23 (457 x 584)	
Shipping Weight	lbs (kg)	85 (39)	100 (45)	110 (50)	

