

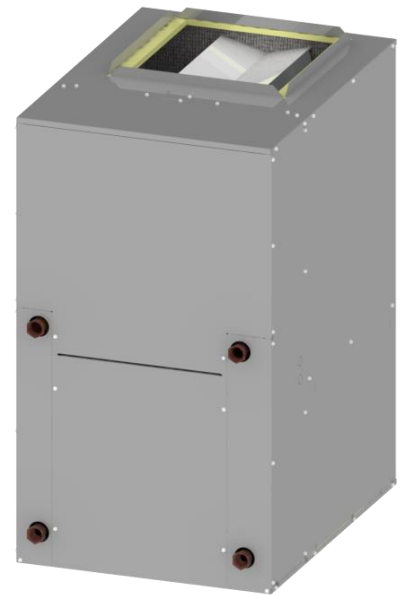
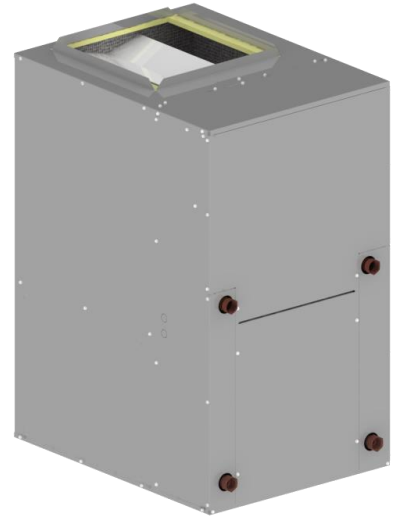


# ANESI

# GAS HEAT PUMPS

## AIR HANDLING UNIT & OPTIONAL INDIRECT STORAGE TANK

- Designed for both space heating & water heating applications with Anesi 80,000 BTH Heat Pump
- Whisper quiet operation with high efficiency variable speed ECM blower & variable speed hydronic pump
- Warm supply-air temperatures, even in the worst winter temperatures
- High efficiency hydronic coil conserves energy
- Turnkey installation & maintenance features
  - Easy fill/purge expansion tank with air bleed
  - Return air configurable to either side, or bottom
  - Hydronic connections, copper or PEX, to/from gas heat pump & optional water heating indirect storage tank
  - 3-way valve easily, automatically interchanges from space heating & optional water heating
  - Pre-configured for AC coil (where application requires)



*Patent Pending - specification  
subject to change at  
manufacturer discretion*

**BETTER EFFICIENCY.  
BETTER COMFORT.  
BETTER PLANET.**

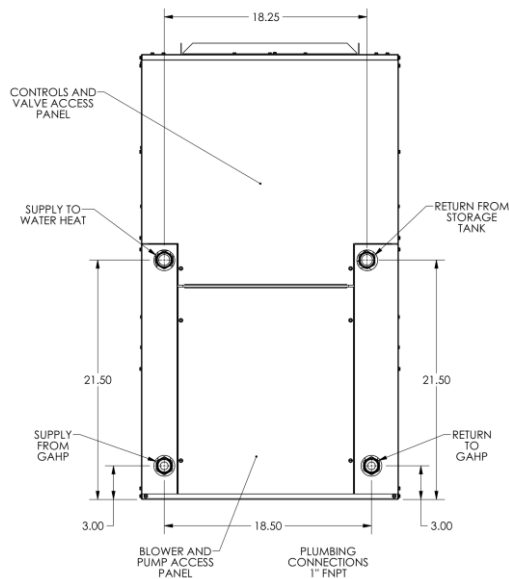
Stone Mountain Technologies, Inc  
Johnson City TN

[www.anesicomfort.com](http://www.anesicomfort.com)





Performance	Unit	Value
Coil Capacity (@ 125F supply water)	[Btu/hr]	65000
Supply Water Temp	[deg F/C]	125/52
Modulation		500 cfm - 1400 cfm (fully variable)
Air Flow (@ 100%)	cfm	1400
Water Flow Rate	[gpm/lpm]	8/2.1
Max Supply Water Temp (@8 gpm)	[deg F/C]	180/82
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Width	[in/cm]	23/58.4
Length	[in/cm]	30/76.2
Height	[in/cm]	40/101.6
Weight	[lbs/kg]	210/95.3
Voltage	VAC	115
Water Connections	NPT	all 1" FNPT
Hydronic Pressure Drop (Nominal Condition)	[psi/kPa]	3/20.7
Glycol Reserve Volume	[gal/liter]	1/3.79
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Return Air Connection		left, right, bottom @ 14.5" x 18"
Supply Duct Connection (Vertical Up) *		top only, 16" x 16"
Hydronic Connection		1" FNPT, front of AHU
Hydronic Line		copper or PEX
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<b>Communications &amp; Control</b>		
CTA2045 Compliance		future release
Communications Capability		Wi-Fi
Control Power Requirement		15A breaker



Anesi gas heat pump & custom air handler may be installed with an optional indirect storage tank, for a fully hydronic space & water heating solution. This high efficiency application replaces both the furnace/boiler as well as the gas water heater for a home or building. Unique features of this application include:

- 140% AFUE, resulting in up to 50% saving on heating energy use
- All combustion & refrigeration are kept outdoors, so you can rest easy that your family is safe
- All components designed with ease of installation in mind for optimal contractor efficiency
- Innovative control logic optimizes comfort & efficiency



Anesi will offer an 80-gallon indirect storage tank option with the air handler, having the following features:

- 80-gallon capacity, with height < 72", and diameter < 28"
- Internal heat exchanger
- Hydronic supply and return connections of 1 inch (2.5 cm)
- Hot & cold home supply connections are .75" to match residential standards
- Thermistor capability for full communication with Air Handling Unit

• *Downflow & Horizontal Flow in future release*

*Patent Pending - specification subject to change at manufacturer discretion*

