

# Gold Series (AU-HV) Air Handlers

## Rust-Free, Anti-Slosh Drain Pan With Quick & Easy Installation



Completely redesigned for easier installation and improved performance, Gold Series air handlers, recipient of an Honorable Mention at the 2012 International Boatbuilders Exhibition and Conference (IBEX), incorporate many innovative features, including an optional Breathe Easy™ air purifier.

A rust-free, anti-slosh, positive-flow drain pan quickly removes condensate water and a third drain hole can be employed to further increase rapid drainage. Each drain hole is reinforced and has an external stop to prevent over tightening of the screw-in hose barb.

To better accommodate a variety of installation situations, each drain hole can accept either a straight hose barb or a 90-degree hose barb. In addition, the vibration-isolation mounting hardware can be attached at a variety of locations around the perimeter of the drain pan.

Gold Series AU-HV air handlers feature high-velocity blowers, available in left- or right-oriented versions. Ultra-quiet "WhisperCool" DC blowers (AU-DC models) are available. The rotatable blower ring can be positioned easily by adjusting a single screw, and can even blow directly downward (best achieved with the right-oriented version).

The blower inlet adapter is made of a high-temperature resin to easily withstand the heat generated by the optional internal electric heating element. Gold Series air handlers provide easy access to the manual heater-overload safety switch, which is accessible without disassembling the unit.

Choose the integrated Breathe Easy air purifier option for cleaner, healthier air right from the blower. Positioned directly in the airstream, the award-winning Breathe Easy uses ultraviolet (UV) light and photocatalytic nano-mesh technology to improve air quality without producing any ozone. Independent testing proved that the Breathe Easy technology is up to 99.9% effective in eliminating odors, fumes, volatile organic compounds (VOCs), mold spores, bacteria and viruses.



The drain pan features anti-slosh, positive-flow condensate channels, reinforced drain holes, and moveable vibration-isolation mounting clips.

ISO 9001:2008



The Gold air handler's HV blower can be easily rotated in the field by loosening the single adjustment screw on the blower collar.



The assembly for the optional electric heater (top) and Breathe Easy air purifier (bottom) fits between the coil and blower.

### Key Benefits

- Rust-free composite drain pan.
- Drain pan features anti-slosh, "positive-flow" drain channels for no spills and rapid removal of condensate.
- Vibration-isolation mounts reduce noise and vibration.
- Single adjustment screw for 270° of blower rotation.
- Blower can be rotated to straight down position for overhead applications.
- Left- or right-oriented blower models.
- Easy access to heater overload reset button.
- Flexible mounting options.
- Braided, kink-proof air bleeder hose.
- Reinforced drain holes prevent overtightening of hose barbs.
- Optional DC "WhisperCool" blowers are extremely quiet yet powerful enough to overcome high-static-pressure duct.
- Optional integrated Breathe Easy™ air purifier stops odors and is up to 99.9% effective in neutralizing contaminants in the air you breathe (not available for 6K BTU models).
- Optional electric heat.
- Optional flow control automatically balances circulated water throughout the system.

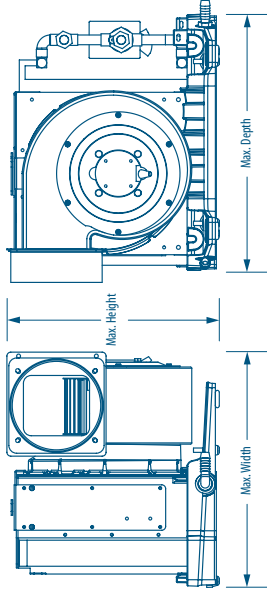
Specifications for Gold Series (AU-HV) Air Handlers

Model <sup>(1)</sup>	AUGHV	AU9HV	AU12HV	AU18HV	AU24HV
Nominal Capacity - Cool (BTU/h)	6000	9000	12000	18000	24000
Nominal Capacity - Heat (BTU/h)	TBD	5118	6824	10236	10236
Voltage @ 50/60Hz 1-Ph (V)	115	230	230	230	230
Full Load Amps (FLA) Cool (A)	1.6	0.7	1.1	0.6	2.5
Full Load Amps (FLA) Heat (A)	10.3	5	7.1	14.6	7.1
Optional Electric Heat (kW)	1	1.5	1.5	3	3
Max. Circuit Breaker (A)	15	1	2	1	3
Min. Circuit Ampacity (A)	11	6	15	8	15
Water Flow (gpm/lpm)	TBD	2.3/8.8	3/11.4	4.5/17.1	6/22.8
Air Flow (cfm/m <sup>3</sup> /h)	TBD	278/472.4	338/574.3	465/790.1	506/859.7
External Static Pressure (inH <sub>2</sub> O/Pa)	TBD	0.37/4.7	0.37/4.7	0.37/4.7	0.37/4.7
Max. Height (in/mm) <sup>(2)</sup>	11.7/298	13.4/341	13.4/341	14.7/374	16.2/412
Max. Width (in/mm) <sup>(2)</sup>	14.4/366	16.4/417	16.4/417	19.9/506	22.4/569
Min. Depth (mm)	336	359	376	415	412
Max. Depth (in/mm) <sup>(2)</sup>	13.2/336	14.1/359	14.8/376	16.3/415	16.2/412
Chilled Water Connection Size (in)	1/2	1/2	1/2	1/2	1/2
Min. Supply Duct Size (in/mm)	5/127	6/153	6/153	7/178	8/204
Min. Supply Air Gille Size (sq in/sq cm)	35/226	49/317	70/452	100/646	140/904
Min. Return Air Gille Size (sq in/sq cm)	70/452	98/633	130/839	200/1291	240/1549

<sup>1</sup> Model numbers shown are for 115V units with high-velocity (HV) blowers. Add a 'Z' for 230V units; add '-FC' for optional flow control; add '-L' or '-R' for valve position (relative to the blower side of the coil) and angle of the blower ('-R0' is the default); add '\_\_\_kW' for amount of optional electric heat in kilowatts (for ex. 1.5kW).

<sup>2</sup> All dimensions ± 0.30 in. (8 mm).

Dimensions



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Dealer

