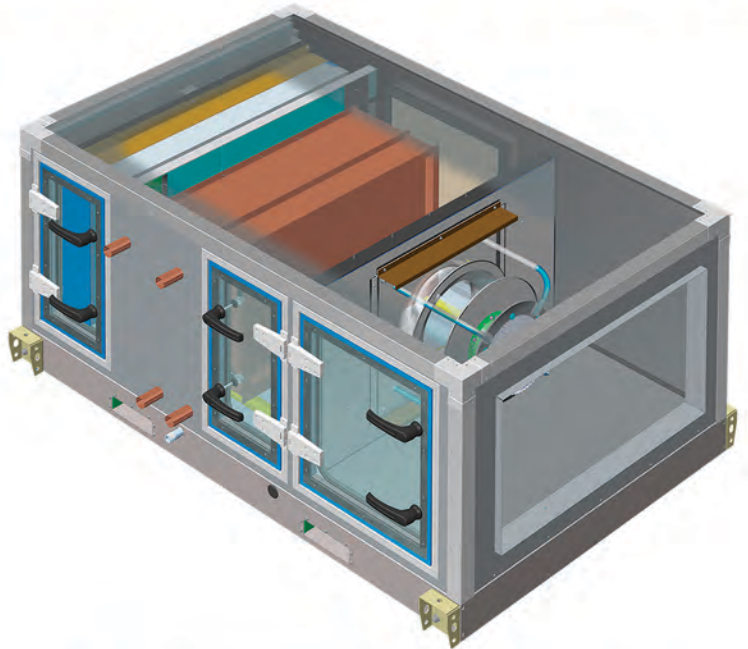




Blower Coil



THERMAL
CORPORATION

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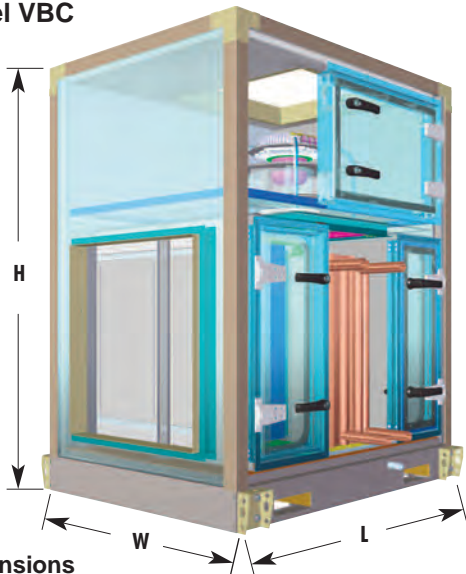
Blower Coil

Thermal Corp. HBC (Horizontal Blower Coil) and VBC (Vertical Blower Coil) Series indoor air handling units provide solutions! Challenging applications and setups, those typically reserved for custom built equipment, like 100% dedicated outdoor air, filtration, dehumidification, energy recovery and reheat are a few of the solutions Thermal's HBC and VBC Series will deliver. With multiple footprint options, pre-engineered models and flexible modular options, HBC and VBC Series provide quicker delivery times with flexible features, much more cost competitively than fully custom units.

FEATURES

- HBC & VBC Series units offer from 1,000 to 10,000 CFM ranges, with single or multiple fan configurations.
- Heat recovery configuration allows for energy efficient heating and cooling requirements.
- Make up air capability, up to 100% outside air, to meet ventilation requirements.
- Factory installed, up to 8 rows combined, high performance chilled and hot water, steam and DX coils.
- Multiple high efficiency filtration options, with up to a MERV 14 efficiency rating.
- Factory built, installed and wired electric heat.
- HBC series are available in 5 different low profile horizontal sizes from 34" to 50" (864 to 1270) in height for overhead or low clearance ceiling installations.
- VBC series are available in 5 different vertical sizes which are designed for small space or mechanical rooms with narrow clearances [width from 28" to 76" (711 to 1930), length from 34" to 48" (864 to 1219)].

Model VBC



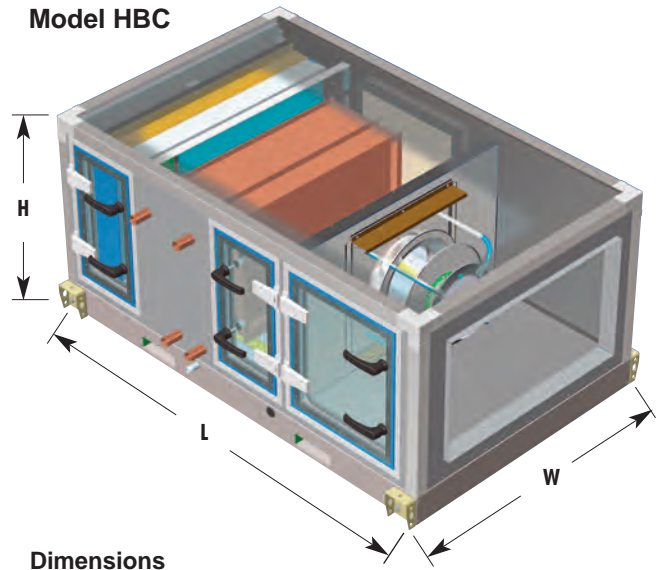
Dimensions

Models	H	L	W
VBC1	60 (1524)	48 (1219)	28 (711)
VBC2	60 (1524)	48 (1219)	40 (1016)
VBC4	70 (1778)	48 (1219)	54 (1372)
VBC6	80 (2032)	48 (1219)	76 (1930)
VBC10	92 (2337)	48 (1219)	76 (1930)

CONSTRUCTION

- Double wall rigid cabinet construction injected with polyurethane foam, is thermally isolated with closed cell insulation to prevent heat transfer and condensation between panels. Laminate construction makes the cabinet more rigid and resistant to damage, provides optimum sound dampening and reduces air leakage.
- Right or left handed piping connections and service access doors, with hinges and lockable door handles, improve serviceability, reduce installation and maintenance time.
- Double sloped stainless steel drain pan, eliminates standing water which can support microbial growth. Stainless steel construction prevents corrosion that could lead to water leaks and contaminants in the air stream.
- ECM (Electrically Commutated Motor) direct drive, backward curved, plenum supply fans provide precise airflow control and reduced power consumption. ECM's are more energy efficient, quieter and require less maintenance than conventional belt driven fans.
- Factory provided or customer provided controller can be selected to meet existing or new building control architecture.
- SCR (Silicon Controlled Rectifier) electric heat control for reduced power consumption, longer heater life and improved occupant comfort
- Polymer e-coated coils are available to extend the life of the coils and protect them in corrosive environments.

Model HBC



Dimensions

Models	H	L	W
HBC1	34 (864)	72 (1829)	34 (864)
HBC2	34 (864)	72 (1829)	44 (1118)
HBC4	38 (965)	72 (1829)	64 (1626)
HBC6	38 (965)	76 (1930)	84 (2134)
HBC10	50 (1270)	76 (1930)	98 (2489)

Dimensions are in inches (mm)

OPTIONS

Each Thermal Corp HBC/VBC unit can be customized by selecting the appropriate predefined module or modules, to meet the most stringent project demands. The base HBC/VBC unit consists of a fan, coil and filter section. HBC/VBC series units are available without integral filter sections. From there, a pre-filter, electric heat, return/exhaust fan or humidifier module may be added as needed to meet specific project requirements. The flexibility of the HBC/VBC units allows for these modules to be added at later times, if budget, sizing or other factors facilitate that requirement. Since the modules are all constructed in the same manner, you can be assured that the unit will look and assemble seamlessly.

Below are a few of the individual modules:

Dimensions

Models	OPTION VSC*		
	H	L	W
VBC1	60 (1524)	34 (864)	28 (711)
VBC2	60 (1524)	34 (864)	40 (1016)
VBC4	70 (1778)	34 (864)	54 (1372)
VBC6	80 (2032)	34 (864)	76 (1930)
VBC10	92 (2337)	34 (864)	76 (1930)

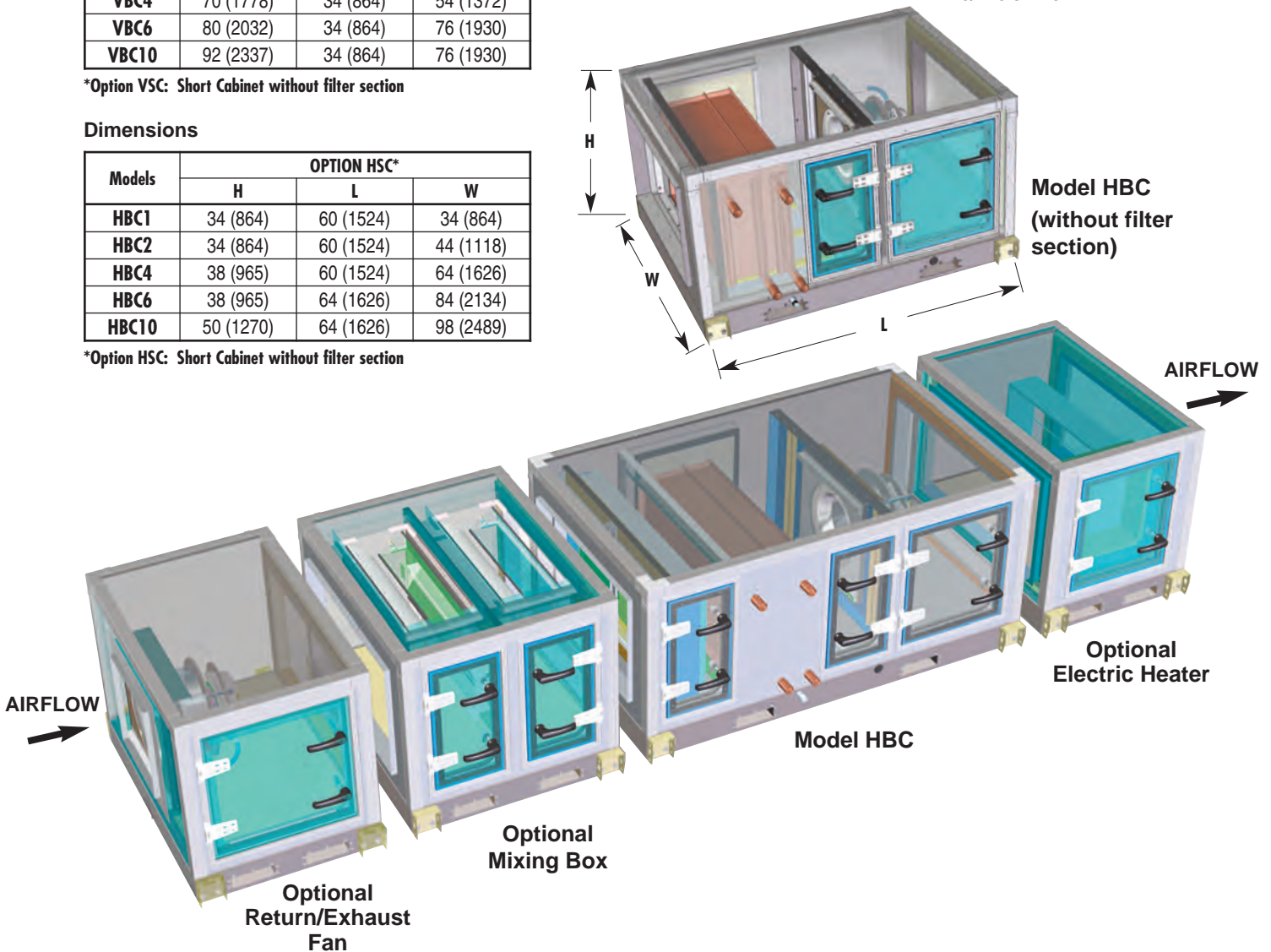
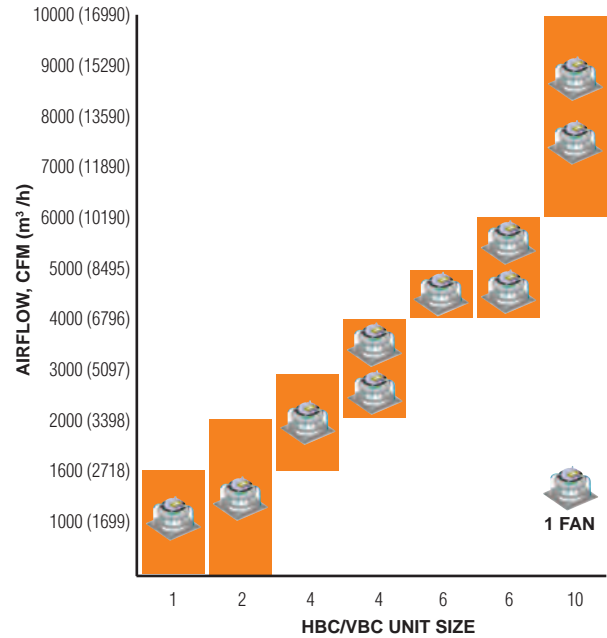
*Option VSC: Short Cabinet without filter section


Dimensions

Models	OPTION HSC*		
	H	L	W
HBC1	34 (864)	60 (1524)	34 (864)
HBC2	34 (864)	60 (1524)	44 (1118)
HBC4	38 (965)	60 (1524)	64 (1626)
HBC6	38 (965)	64 (1626)	84 (2134)
HBC10	50 (1270)	64 (1626)	98 (2489)

*Option HSC: Short Cabinet without filter section

HBC/VBC AIRFLOW RANGE/NO. OF FAN





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