

Varsity® Under the Window Unit Ventilators

TRADITIONAL IN CLASSROOM UNIT VENTILATOR WITH
MODERN UPGRADE

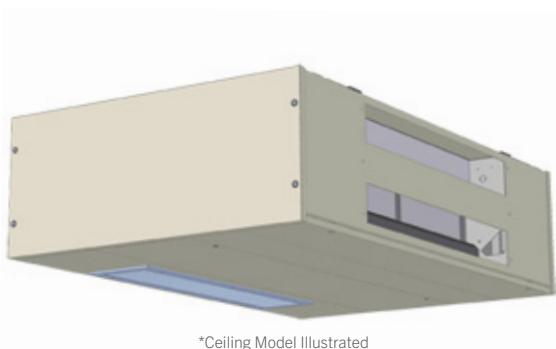


PRODUCT DESCRIPTION

The Varsity® is the perfect solution for both new construction and replacement of existing units in schools that want to improve the indoor air quality of their classrooms. Designed to be tough, dependable, aesthetically pleasing, quiet and easy to install, the Varsity® keeps an established product up-to-date with an impressive list of features and options.

A variety of ventilation configurations are available that utilize fully modulating outside air and return air dampers allow for any mixture of outside air and return air to be drawn through the unit.

Discharge air temperature is controlled using either a face-and-bypass damper or a modulating control valve. The units may be configured as DDC ready set-up for field installed controls, field installed controls by others or an optional Modine Controls System with Carel® Programmable Microprocessor controller with optional BACnet compatibility. Piping components can be ordered individually or configured as a pre-installed piping package.



*Ceiling Model Illustrated

UNDER THE WINDOW UNIT VENTILATOR

- Offering a full range of sizes - 750, 1,000, 1,250 and 1,500 CFM
- Available in floor mounted models: ZFV (Valve Control) or ZFF (Face & Bypass)
- Available in ceiling models: ZCV (Valve Control) or ZCF (Face & Bypass)
- Available with chilled water or DX cooling and hot water or steam heating
- More efficient coil design for optimal temperature and pressure drops
- Full economizer mode allows you to enjoy free outside air cooling during favorable seasons
- Modine Control System designed for maximum efficiency and operation
- Direct drive fan and motor assembly with fan shaft bearings mounted outside the air stream. Assembly is statically and dynamically balanced to minimize noise
- Highly efficient Electrically Commutated Motor (ECM)
- Heavy-duty cabinet design acts as an extra sound attenuator
- 16 gauge cabinet panels for lasting durability
- Modular design allows easy access and removal of all critical components
- Cabinet end pockets centralize the location of components
- Chilled water cooling (2 and 4 row) available with changeover

VARSITY® -CHILLED WATER COOLING CAPACITY (Btu/hr)

Coil Rows	750 CFM		1,000 CFM		1,250 CFM		1,500 CFM	
	Total	Sensible	Total	Sensible	Total	Sensible	Total	Sensible
2	12,770	11,930	26,570	22,240	34,940	28,620	43,440	35,040
4	26,270	18,600	37,400	25,650	48,580	34,840	59,660	40,230

1. Rated in accordance with ARI Standard 840.
2. Water temperatures rise is 10°F with entering water temperature of 45°F.
3. Entering air temperature is 80°F dry bulb, 67°F wet bulb.
4. For additional capacity information, reference unit catalog and installation manual.

VARSITY® -HOT WATER HEATING CAPACITY (Btu/hr)

Coil Rows	750 CFM	1,000 CFM	1,250 CFM	1,500 CFM
1	28,790	46,690	60,160	74,330
2	50,120	66,800	87,070	107,920
4	67,050	93,120	117,540	132,160

1. Entering water temperature is 180°F and leaving water temperature is 140°F.
2. Entering air temperature is 60°F dry bulb.
3. For additional capacity information, reference unit catalog and installation manual.

OPTIONAL FEATURES

- Standard Clear Anodized Louvers with AMCA rated option available
- Valve and control utility compartments are available to match unit color and finish
- Multiple inlet air arrangements for outside and return air with built in pipe tunnel and optional back adapter
- Optional piping package available on floor mounted units. All piping components - control valve, strainer, circuit setter, shut-off valves, PT ports and balancing valve - will be factory assembled and ship installed in the unit
- Available in a variety of colors, textures and fingerprint-free hammer tone

As Modine Manufacturing Company has a continuous product improvement program, it reserves the right to change design and specifications without notice.



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