

AAF®-HermanNelson® Model AV Unit Ventilators Now Deliver Even Better Performance, Rigidity & Easy Maintenance

For over 85 years, schools have relied on AAF-HermanNelson unit ventilators to create quiet, comfortable learning environments for students. Now we've improved the design of our most popular floor unit—the Model AV—to make it even easier to maintain and service.

New Features

AAF-HermanNelson unit ventilators have long been the quietest, most durable and most popular unit ventilators available. Now Model AV units provide the following additional features:

- Modular fan sections that improve balance, alignment and simplify maintenance.
- Composite drain pans that eliminate rust and can be field-configured for either right or left-side drain connections.

- Certified ventilation performance per ARI-840. Model AV unit ventilators are capable of providing ventilation air greater than 80% of the rated standard air flow.
- Certified and labeled compliant with the seismic design provisions of the International Building Code (IBC) Chapter 16 and independent test agency requirements of Chapter 17.
- Larger 12" height coils that improve performance and reduce water pressure drops.
- Legendary structural rigidity with unitized construction that reduces distortion and increases rigidity.

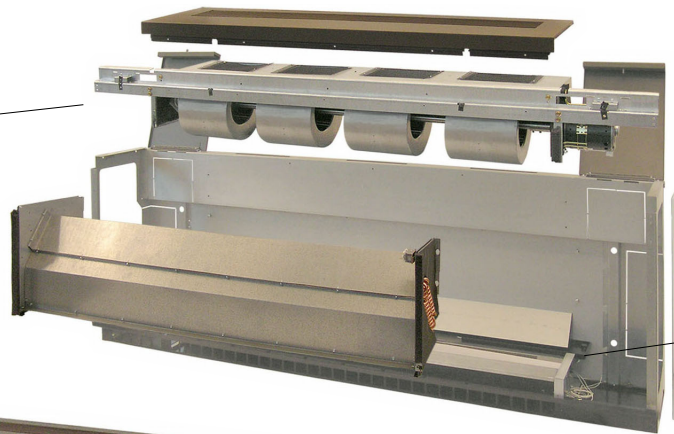
Ongoing Benefits

These new features strengthen the ongoing benefits AAF-HermanNelson unit ventilators offer you:

- **Quiet operation.** Our GentleFlo™ technology minimizes operating sound levels, even as demands for more fresh air require these units to work longer and harder.
- **The right amount of fresh air and cooling.** Part-load variable-air options precisely match classroom comfort requirements for energy savings. Demand control ventilation measures CO₂ levels to deliver the required

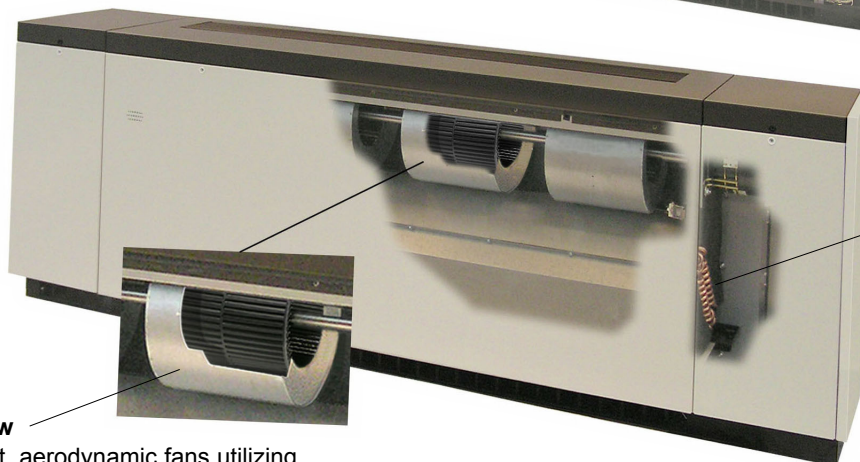
New Modular Design

- Improved accessibility
- Fully removable fan section
- Easier maintenance



New Composite Drain Pan

- Corrosion resistant
- Slope right or left
- Drain right or left



Airflow

- Quiet, aerodynamic fans utilizing GentleFlo technology

Improved Performance

- 12" coil height for better coil performance & lower water pressure drops

The New Model AV AAF-HermanNelson Unit Ventilator

amount of fresh air based on actual room occupancy. The result is even lower energy costs.

- **Precise temperature and dehumidification control.** Draw-through design and face-and-bypass dampers provide effective temperature and dehumidification control while making maximum use of “free” outdoor-air cooling to reduce operating costs.
- **Easy to integrate into your building automation system of choice.** Available with MicroTech II™ unit controllers which provide proven performance for all factory-installed options. Factory-integrated controls streamline installation, reduce startup risks and lower job costs.
- **Low installation costs.** Economical for new construction because these units avoid the added cost and space required for expensive ductwork. Economical for retrofit because new units fit the same space occupied by existing ones.
- **Low operating costs.** During normal operation, energy use is as little as for three 100-watt light bulbs.

Maximum advantage is taken of “free” cooling to reduce operating costs. During unoccupied periods and at night, units operate sparingly for additional energy savings.

- **Low life cycle costs.** Our proven institutional design withstands the rigors of the classroom environment. Features include an extra-sturdy chassis and double-wall damper on the inside; scuff-resistant finishes and tamper-resistant latches on the outside. In fact, many units installed over 30 years ago continue to provide quiet, reliable classroom comfort. To keep your AAF-HermanNelson unit ventilator operating at peak performance, we provide easy access to all serviceable components.

Creating an environment with comfortable, attentive students is our mission. You can be confident that AAF-HermanNelson unit ventilators will provide quiet, reliable comfort in your learning environment day-in and day-out, well into the future. To learn more about AAF-HermanNelson unit ventilators and warranty details, contact your local AAF-HermanNelson school specialist or visit www.mcquay.com.

Standard Capacities

Certified ratings per ARI 440, entering air 80°F/60°F, entering water 45°F, 10°F water temperature rise.

Model	Nominal Airflow (cfm)	Coil Rows	Total Capacity (BTUH)	Sensible Capacity (BTUH)
S07	750	2	17,800	13,600
		3	21,600	15,300
		4	27,800	18,200
S10	1000	2	23,600	17,800
		3	33,200	22,600
		4	35,600	23,300
S13	1250	2	31,500	23,600
		3	41,000	28,600
		4	43,300	28,700
S15	1500	2	38,700	28,400
		3	51,200	34,900
		4	56,700	37,100

