THE ULTIMATE SOLUTION FOR CLASSROOM NOISE REDUCTION

AIREDALE

ClassMate® with STUDY Package
DX Cooling and Heat Pump

Modine is continuously raising the bar to exceed the highest industry standards. The ClassMate® with STUDY Package was designed so you can feel confident installing this unit into LEED-designed facilities, knowing it can meet the background noise pre-requisite.

Modine conducted extensive sound attenuation research to provide these noise-reduction features:
- Improved acoustic insulation with barrier
- Redesigned acoustic plenum to improve noise reduction
- Up to 7dB(A) improvement
THE RESULTS

These features, engineered for the toughest classrooms, result in the ClassMate® with STUDY Package achieving the highest standard for noise reduction in its class.

THE SOLUTION

Redesigned cabinet to reduce air flow velocity

- Extensive sound intensity testing identified opportunities for noise reduction
- Sound intensity mapping allowed Modine engineers to isolate components and frequency to engineer specific solutions
- Redirected air flow reduced velocity through side grills

Redesign baffle for improved air flow path

- Patented baffle design adds significant value without sacrificing performance of the base unit
- Providing laminar airflow to a space without requiring additional ductwork