

## University Selects Fans and Gets **"FIRST HAND"** Experience of Belt Drive Benefit

Berry College located in Mount Berry, Georgia, selected M.K. Plastics' Axijet® High Plume Dilution Blowers for the laboratory exhaust fans on their new Science and Biology building. The Axijets selected were belt drive, versus the direct drive type previously considered.

Upon system start-up and balancing, the proper exhaust flows could not be obtained.

Since the M.K. Plastics Axijets have AMCA (Air Movement and Control Association) certification for sound and air performance, the performance of these fans are independently tested and confirmed by AMCA.

Through air balancing of the Berry exhaust system, it was identified that the system static pressure was greater than that originally calculated.

Since the fans supplied were M.K. Plastics' Axijets with standard belt drives, the fan RPM could easily be adjusted to compensate for the additional static pressure, and the required exhaust flow for laboratory safety and containment could be achieved.

The original direct drive fans, because of their fixed RPM, could never have been adjusted to compensate for the required flow at increased static **without a fan change**.

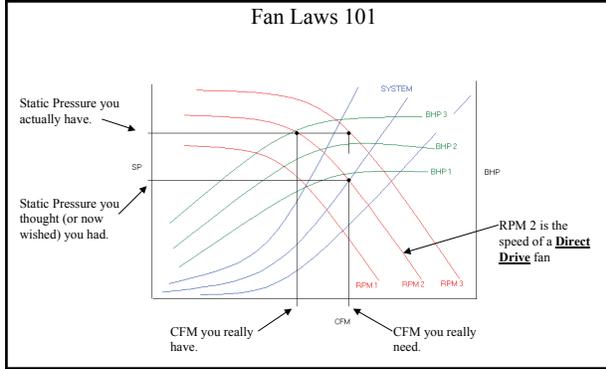
**The simple, and fan industry standard, belt drive flexibility, offered on the M.K. Plastics Axijet High Plume Dilution Blower saved Berry College significant money, time, and effort, and got their laboratory facility up and running on time!**



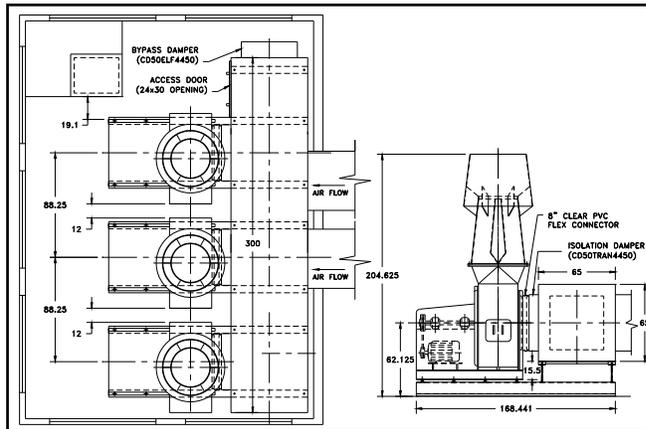
**M.K. Plastics Corporation** certifies that the centrifugal Axijet-F 1825 to 6000 models shown herein are licensed to bear the AMCA Seal. The AMCA Certified Ratings Seal applies to Induced Flow Fan Air and Sound Performance (AMCA Standard 260).



**M.K. Plastics Corporation** certifies that the centrifugal Axijet-F 1225 and 1500 and Axijet-S 1825 to 7300 models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and 311 and comply with the requirements of the AMCA Certified Ratings Program.



Direct drive fans cannot have their speed increased, adjusting for higher actual static pressures. At a fixed speed, damper adjustments will result in a new system curve that lies on the fixed RPM curve.



Three fan Axijet system submittal layout drawing



One of the two three fan Axijet installations

Berry College's Science and Biology Building has 3 Axijet exhaust systems consisting of 7 Axijet High Plume Dilution Blowers, exhausting approximately 190,000 CFM.

*Want to learn more about the superior benefits of the Axijet High Plume Dilution Blower System?*