

COMPARING THE 600HS, 1200HS AND 2000HS UNITS

PERFORMANCE COMPARISONS:

The model numbers indicate the rated airflow in CFM (cubic feet per minute) for each unit. For example, the 600HS produces 600 CFM while the 2000HS produces 2000 CFM. The standard, single speed AC induction motors available in the 600HS and 1200HS are 120 volt 60 Hz motors. The GE ECM variable speed motors available in all models (PLUS) are 120/240 volt, 60 Hz.

SIZE, WEIGHT AND POWER COMPARISONS:

The 600HS unit is approximately 16 ¼ " x 16 ¼ " square by 34" high (split into two sections). Weighs 97 lbs. Uses a 1/3 HP single speed or 1/3HP GE ECM variable speed motor. The 1200HS unit comes in both the "L" and "S" versions and uses either a ¾ HP single speed motor or ¾ HP GE ECM variable speed motor. The "L" version dimensions are; 25" x 25" square by 42" high (split into two sections). Weighs 180 lbs. The "S" version is a one piece unit, 25 ¼" high x 24 ¼" deep by 44 ½" long. Uses the same motors as the "L" version. Weighs 200 lbs. The 2000HS unit is identical in size and weight to the 1200HS "L" and "S" versions except it uses a 1 HP GE ECM motor.

APPLYING THE HEPA SHIELD SYSTEMS TO HVAC UNITS:

If you are attaching any of the models to an existing HVAC system in a partial by-pass configuration then you would consider using the 600HS on systems up to 3 ton capacity, the 1200HS on 3.5 to 4 ton capacity and the 2000HS on 5 ton capacity. Although you can use the 600HS unit on any sized HVAC unit and the 1200HS can be used on 3 tons and larger. The 2000HS can only be used (in by-pass) on a 5 ton unit.

APPLYING THE HEPA SHIELD SYSTEMS FOR STAND-ALONE APPLICATIONS:

If your air filtration requirements include filtration and gas adsorption for a small area (15'x15') then the 600HS or 600HS PLUS may be the best selection. For larger areas we recommend the 1200HS/1200HS PLUS or the 2000HS PLUS units. If you have to move a lot of air through multiple lengths of duct work, then the 2000HS PLUS would be the best selection. This unit uses a 1 HP ECM motor and has more external static load capability than the 600HS or 1200HS units. Any of the PLUS versions can be shipped with a digital speed controller for complete airflow and speed control

APPLYING THE PLUS UNITS FOR IN-LINE, 100% AIR FILTRATION WITH HVAC UNITS.

Only the PLUS versions of the HEPA Shield systems can be used for this configuration. The 600HS can only be used on 1 to 1.5 ton HVAC units. The 1200HS PLUS can only be used on systems up to 1200 CFM (typically 3 ton capacity) and the 2000HS unit can be used on 3 ton to 5 ton (1200 CFM to 2000 CFM) HVAC units. Additional information on this application is available through Pure Air University.

SINGLE SPEED MODELS VS PLUS UNITS WITH ECM VARIABLE SPEED MOTORS:

Models 600HS and 1200HS can be supplied with either a single speed, AC induction motor or the new GE ECM variable speed, low energy use motors. While the single speed versions are most often used in the partial by-pass configuration attached to an HVAC unit, they sometimes are used in the stand-alone configuration. We do recommend using the PLUS systems with the GE ECM motors for stand-alone applications as they provide more torque, respond automatically to pressure drop increases in the filters and the customers have complete control of the speed,