



Some distinct features and advantages of EBA Induction units for ready reference:

- I. *Low noise levels are achieved due to efficient Nozzle configuration & aerodynamically designed primary air chamber & Nozzles. These result in units to operate with relatively low pressure & higher induction ratio since in a retrofit situation unit are generally operating at high static pressure with lower induction ratio)*
- II. *No clogging of nozzles as nozzles are minimum 5/16” diameter. No cleaning is required on nozzles. No clogging of nozzles resulting to no whistling sound in operation.*
- III. *No fiberglass lining on the primary air chamber walls. (No health Hazard) (Old Induction units were layered with fiberglass insulation in plenum chambers for getting low noise levels. Over a period, fiberglass particles start to erode, and particles are carried after getting mixed with primary air. This could pose potential health hazard in the building)*
- IV. *Lint Screen Filters are washable to prevent coils from clogging*
- V. *Rugged construction of primary air damper mechanism (never breaks)*

In terms of replacing old units to EBA from the building point of view

Units Efficiency could be determined from the below factors:

1. *Induction ratio: Getting more Induction ratio from units means more air: results in more efficient unit.*
2. *Ability of unit to generate more Induction ratio with less pressure means more energy efficient (Less Horsepower is required overall to run these units. (Less load on the Air Handling units motor (No over loading of motor) results in extended life of motor)*
3. *No maintenance crew required, once balanced (Apart from regular cleaning of lint screen) (No breaking of primary air balancing damper ever). More efficient from maintenance point of view. **This saves thousands of dollars each year over the life of the unit.***
4. *No extra fittings are required as most accessories can be furnished by EB Air. As an option, **Air Cleaning Device- Bipolar Ionizer** can be supplied with Induction*



unit for extra line of defense. This is a beneficial addition to improving indoor air quality especially when room air is being mixed with outside air

- 5. Custom enclosures of any design, color can be provided by EB Air thus saving customers seeking additional vendors for different parts of the project.*

LEED Building advantages with new EBA units:

- *No Fiberglass insulation, no health Hazard: more eco friendly materials used inside unit***
- *Noise level low***
- *No whistling noise during operation making it a quieter unit even for sound sensitive applications.***
- *More energy efficient in terms of operation, allowing to recover dollars savings quickly from the point of startup.***
- *No moving parts, no maintenance hence no year-to-year service or maintenance contracts.***