






# Bryant Perfect Air Purifier Competitive Comparison

| Comparison  | <b>Key competitive advantages</b> <ul style="list-style-type: none"> <li>- Extremely high efficiency compared to conventional Electronic air cleaners</li> <li>- Kills captured airborne bacteria, viruses, and mold spores</li> <li>- No cleaning required</li> <li>- Quiet operation</li> </ul> | <br>Bryant Perfect Air Purifier | <br>Trane CleanEffects  | <br>Aprilaire 5000 | <br>Lennox PurAire             | <br>Honeywell F300       |
|-------------|---|--|--|---|---|---|
| Performance | <b>Germicidal Claim</b>   | Yes  | No   | Limited   | No  | No  |
|             | <b>Claim MERV 15 equivalency</b>  | Yes  | No   | No  | No  | No  |
|             | <b>Pressure drop @ 1600 cfm</b>   | .25"   | .30"   | 0.21"   | NA  | 0.16" - .33"  |
|             | <b>Noisy in some applications</b>   | No   | Yes  | No  | No  | Yes   |
| Maintenance | <b>Cleaning required</b>  | No   | Yes  | Yes   | No  | Yes   |
|             | <b>Maintenance frequency</b>  | 1-2 x /yr  | up to 6 x / yr   | 1-2 x /yr   | 1-2 x yr  | up to 12 x / yr   |
|             | <b>Ionizer maintenance required</b>   | No   | Yes  | Yes   | UVA bulbs & catalyst  | Yes   |
| Install     | <b>Customized to fit Carrier equipment</b>  | Yes  | No   | No  | No  | No  |
|             | <b>Power requirements</b>   | 110V/240V  | 24V  | 110V  | 110V  | 110V/240V   |
| Tech.       | <b>Ionization method</b>  | pin-point  | pin-point  | wire  | none  | wire  |
|             | <b>Particle capture mechanism</b>   | polarized media  | prefilter and honeycomb media  | prefilter and grounded media  | standard media  | prefilter and metal cells   |
| Weaknesses  | <b>Versus Bryant Perfect Air Purifier</b>   |  | No Germicidal claim, incr. maintenance and noise. Efficiency reduces over time like EAC if not maintained. | Does not claim to kill viruses, incr. maintenance, requires duct transitions with Bryant equipment    | Up to 50% less efficient, no germicidal claim, incr. maintenance, requires duct transitions with Bryant equipment | Up to 25% less efficient, no germicidal claim, incr. maintenance, noisy (arcing), requires duct transitions |