

## How to read & compare different air purifier's specifications data

We need to read the air purifier catalogue for more understanding about the details of the machine. Manufacturer catalogue may list out their machine specifications data despite how detail or simple, some of the low price products may only list out very simple information, valuable products may provide more details that let user can know fully about their products. Of course, we're highly recommend that as a reliable manufacturer, they should always provide the information as detail as possible despite the products is how low on price. Most of the user will always study and concern the products effective services area, testing result, noise level, size and weight of the machine. Base on the above feature, we'd like to teach users how to read the data.

Effective service area: Manufacturer will tell us the machine effective service area suggested or tested by factory or laboratory. Despite the effective area is truth on result, user should not or may be say impossible to apply in our actual environment, the reason is the area suggested was tested under a control environment e.g. laboratory, actual environment is always more worst than laboratory. Also, we should know the machine speed during testing was always turn to highest to obtain the best (largest) effective area, then will you also use the machine always at highest speed in your environment, can you accept the noise level? Then we're recommend user may choose an air purifier that the effective area in our actual environment should be counted as a discount rate or if we're looking for a machine to serve 300ft.2, then we should choose the machine suggested effective area up to 500ft.2. Or we can reference from the

suggested best service area that may provided by some responsible & professional manufacturer.

Testing Result: Which is the performance test figure of the machine for different pollutants. User may reference from our paper about "How to read a testing report". From here, we can say such kind of result figure especially on catalogue is meaningless, a simple reason is how a manufacturer show a low efficiency figure on any marketing material. Noise Level (dB): This is one of the user main concerned point that they may use the machine at mid-night or boss room. Then we'd like to recommend user should read the noise level of the machine under medium & low speed operation, the reason is over 80% user with over 90% operating time may use at medium and low speed operation. Also, please no need to concern the little bit noise figure difference when the noise level down to 1x – 2xdB because our ears may not sensitive for such low noise level, we can't hear.

Size & Weight of machine: We reasonable need to measure the machine size for our home or office, but we should have a simple thinking that manufacturer may always design a wheels for their machine if the weight is too heavy, Actually, we're highly recommend user should not always to change the machine functioning location, if you plan to move the machine, means now may be the time you should consider to buy one more machine now.