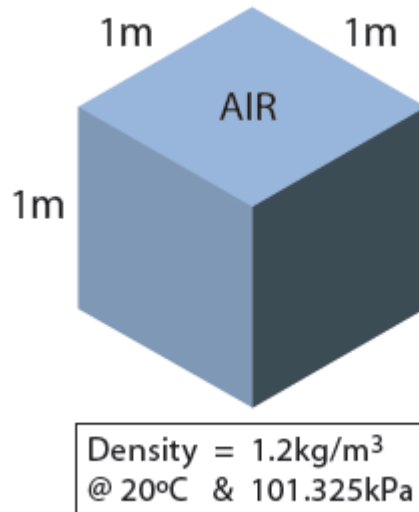




Technical Update

GREEN HOUSE GAS EMISSIONS

Did you know that air weighs 1.2 kg per cubic meter and when a fan moves this weight of air energy is required.



Take an average Powder Coating Booth with a Reverse Pulse Dust Collector. Air required three (3) cubic meters of air per sec (6000 CFM) at 3 Kpa(12" WG).

.1. Select the cheapest smallest fan – Direct Drive 2900 RPM.

Power consumed will be 11.9 kW.

.2. Select the most efficient fan – Direct Drive with a Variable Frequency

Speed Controller and 2400 RPM.

Power consumed 10.6 kW.

The efficient fan saves 1.3 kW and over one (1) year two shifts . (ie 4000 hours operation and power costing 10 cents per KWH.)

Dollar savings will be \$520.00 and more importantly the savings in Green House Gas emissions is about seven (7) Tonnes.



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