**Finding Total CFM with Digital Anemometer**

FPM= Feet Per Minute

CFM = Cubic Feet Minute

**Average FPM x Square Feet = Total CFM**

Example: 20 x 30 Return air grille

Place Anemometer spaced on grille to take readings of airflow going through grille area. Hold anemometer about an inch from girlle. Do not take reading over the edge of the grille. Only over the vented area.

Add all values and divide by how many reading you took.

Total readings 4560 total

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 # of readings 15 readings

 20

 30

1 ¼ frame equals 2 ½ of both sides of horizontal edges and vertical edges. This must be taken in account of total surface area.

 20 – 2 ½ = 17 ½ inches 30 – 2 ½ = 27 ½ inches

17 ½ X 27 ½ = 481 ¼ Then divide the total square inch value by 144 is one square foot.

 481 ¼

----------- = **3.34** Square Feet

 144

**Average FPM x Square Feet = Total CFM**

 304 X 3.34 = **1015.36** Total CFM

400 CFM = 1 Ton of A/C

1015.36 divided by 400 CFM = 2.5 Ton