

## Instructions for Determining W1G200-EA Speed Required to Match Shaded-Pole Fan

Based on the known specifications for the shaded-pole axial fan assembly that is being crossed to a W1G200-EA series fan, use the autofilters in row 6 to focus on these specs.

### Example:

Known specs:                      154mm impeller diameter  
     34° blade pitch

- go to the shaded-pole worksheet
- click on the autofilter button in row 6 column B and select "154"
- click on the autofilter button in row 6 column C and select "34"

Using the air flow and power info provided in the remaining row(s), the required W1G200-EA speed can be determined.

- If the air flow is between 110 - 290 CFM, the low speed model may be sufficient. Go to the W1G200-EA low speed worksheet.
- If the air flow is above 290 CFM, the high speed model will be needed or it can be used anywhere between 170 - 470 CFM. Go to the W1G200-EA high speed worksheet.
- Find the required air flow on the left y-axis and move horizontally across the graph until intersecting the air flow curve (see legend). Move downward from this point until intersecting the x-axis, where the required fan speed is indicated.
- To find the W1G200-EA input power, move upward from the required speed until intersecting the power curve (see legend). Move across the graph until intersecting the right y-axis, where the required fan input power is indicated.

**Note:**     All air flow and power numbers are at free air.