

**ELECTRICAL AUTOMATION
SYSTEMS TOWARDS INTELLIGENT
AND ENERGY EFFICIENCY
APPLICATIONS**

Musse Mohamud Ahmed



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APPLICATIONS

Musse Mohamud Ahmed

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CHAPTER 35

RESULTS AND DISCUSSIONS

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35.1 Results Analysis

It has been followed the fan performance methodology with further calculation in order to obtain the results. The calculation based on the formula that has been explained in Chapters 33 and 34. There is a complete data of axial fans and centrifugal backward inclined curved fans. The complete datasheet is then loaded into Matlab in order to plot the exact curves according to fan efficiency grades respectively and at same time find the maximum and minimum efficiency in that particular grades.

Figure 35.1 shows the simulated result which has been captured from Matlab.

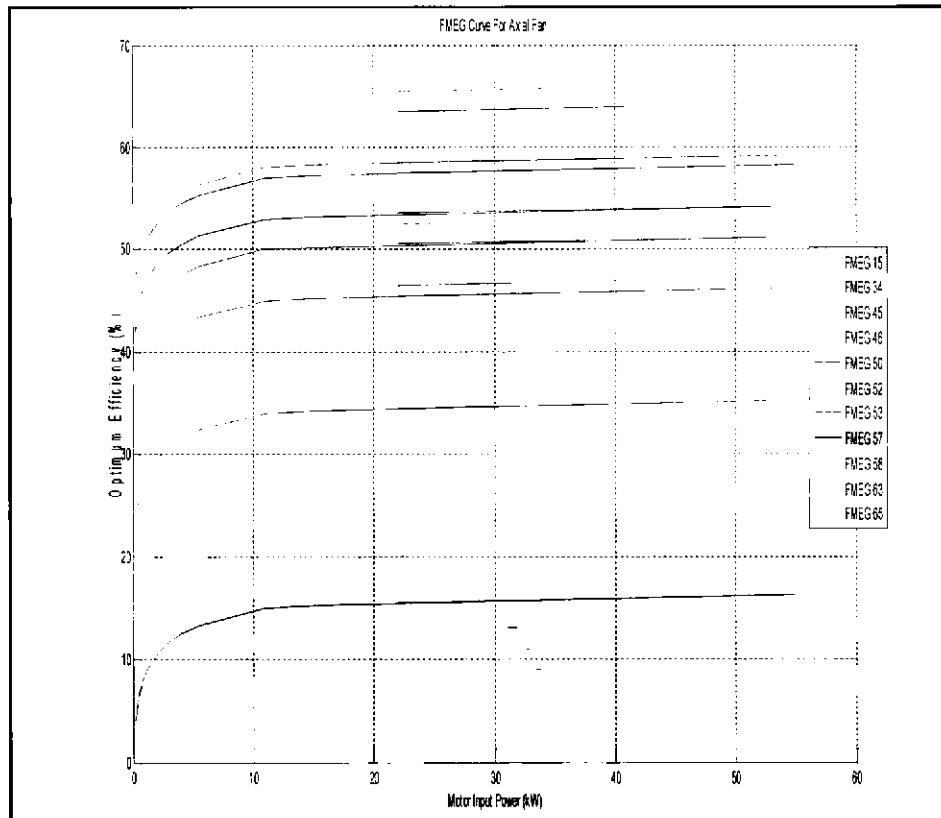


Figure 35.1: Axial Driven Fan Motor Efficiency Grades