

Brushless DC (BLDC) Fans: Technology, Design, Applications, and Energy Efficiency

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ABSTRACT

This thesis provides an overview of BLDC fan technology, including operating principles, construction, control methods, applications, advantages, limitations, and future trends. It discusses energy efficiency and compares BLDC fans with conventional induction-motor ceiling fans. This draft is intended as a strong foundation that can be expanded with institution-specific experiments and original analysis before academic submission.

1. Introduction

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9. Future Scope

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10. Conclusion

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