Abstract

Induction machine is an important class of electrical machines which finds wide applications as a motor in industry and in its single phase form in several domestic applications. More than 85% of industrial motors in use today are in fact induction motors. The minimization of electrical energy consumption through better motor design becomes a major concern. This paper proposes a novel technique to improve the performance of induction motor. By using a modified stator winding arrangement the efficiency has been improved by 7% and tested in laboratory. Experimental results and simulations results have been presented to validate the results.

References

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**Index Terms**

Computer Science  Power Systems

**Keywords**

Induction Motor  Squirrel Cage And Mathematical Modeling