Bibliography on Induction Motors Faults Detection and Diagnosis
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Bibliography on Induction Motors
Faults Detection and Diagnosis

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Abstract: This paper provides a comprehensive list of books, workshops, conferences, and journal papers related to induction motors faults detection and diagnosis.

I. INTRODUCTION

Induction motors are a critical component of many industrial processes and are frequently integrated in commercially available equipment. Safety, reliability, efficiency, and performance are some of the major concerns of induction motor applications. With issues such as aging motors, high reliability requirements, and cost competitiveness, the issues of induction motors faults detection and diagnosis are of increasing importance. For these reasons, during the past twenty years, there has been a continually increasing interest and investigation into induction motors faults detection and diagnosis. As this interest has grown, the literature has also grown. This paper provides then a comprehensive list of books, workshops, conferences, and journal papers related to this important research topic.

The majority of the listed references are directly concerned with induction motors faults detection and diagnosis techniques. However, performing reliable and accurate motor faults detection and diagnosis requires understanding the cause and effect of motor faults to motor performances. It is also important to know how external factors such as loading and temperature can affect the motor faults detection and diagnosis technique and results. Therefore, the proposed bibliography also includes references related to these two last topics.

The references listed below are divided into three groups and listed in reverse chronological order (from the end of the 70’s up to now). The first group contains the information on books [1-5]. The second and third one list workshops, conference [6-222], and journal papers [223-365]. In this last group, we have tried to cover the most relevant journals, mainly the IEEE Transactions and Magazines, the IEE Proceedings and Journals, the European Transactions on Electrical Power, the Electric Machines & Power Systems Journal, and some reliability and maintenance society journals, such as P/PM Technology, Reliability Engineering, Sound & Vibration, etc.

II. REFERENCES

A. Books

B. Workshops and Conference Papers


