

MATLAB PROGRAM FOR TRADITIONAL DESIGN AND OPTIMIZATION OF 30 KW SCIM MOTOR

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ABSTRACT

Various steps in development of a MATLAB program for the traditional design of 30 KW SCIM motor have been detailed. The whole process of traditional design of motor design is divided into five parts and again each part into various steps. The MATLAB program listed performs all the activities associated with five parts and their steps of the process. Relevant comments are added into the MATLAB program at suitable locations to identify the calculations associated. Parameters of design of motor and the equivalent variables used in the MATLAB program of steps of design process under each part are listed in the relevant tables. The list of variables used and equivalent MATLAB variables completely bring clarity to the steps followed in the traditional design of the motor.

KEYWORDS: MATLAB Program, SCIM Motor, Traditional Design of Motor & Parameters of Design of Motor

Received: Oct 22, 2015; **Accepted:** Nov 03, 2015; **Published:** Nov 20, 2015; **Paper Id.:** IJMPERDDEC20158