

***HUMAN MACHINE INTERFACE (HMI) DESIGN USING VISUAL BASIC.
NET TO CONTROL FORWARD REVERSE 3 PHASE INDUCTION MOTOR***

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ABSTRACT

The purpose of making this final project is to make practical learning media in the form of a trainer kit for controlling a 3-phase forward reverse induction motor and analyzing the starting current against voltage variations.

In this study using a 3-phase induction motor with a power capacity of 0.95 kW or 950 Watt and 380 volts. When this test is carried out, there is a nominal apparent power of 795.45 VA when the motor is working forward and when the motor is working in reverse there is a nominal apparent power of 874.34 VA which is close to the maximum limit of a 950 Watt motor with an input voltage of 380 volts at phase T.

Keywords: trainer kit, induction motor, starting current