

Residential Motors

A handout containing the highlights of the video titled *Residential Motors*

Induction Motor

An induction motor creates a magnetic field when electricity passes through it, which induces the voltage that will cause the motor to rotate.



FIGURE 1. THE INSTRUCTOR SHOWS AN EXAMPLE OF AN INDUCTION MOTOR. THIS IS A SINGLE PHASE INDUCTION MOTOR WITH DUAL VOLTAGE.

Split-phase motor

When the motor starts up, it has two phases (start winding and run winding) to go through to make motor run.



FIGURE 2. AN EXAMPLE OF A SPLIT-PHASE MOTOR WITH A CORD AND PLUG CONNECTION.

Capacitor start motor

This motor has a capacitor inside it that stores energy that gives it an additional force to keep up to speed when working with a heavy load.

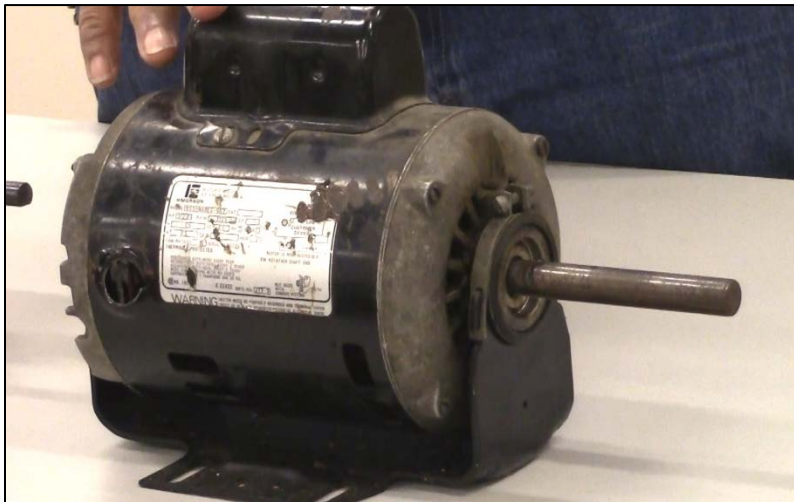


FIGURE 3. A CAPACITOR START MOTOR THAT THE INSTRUCTOR SHOWCASES IN THE VIDEO

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