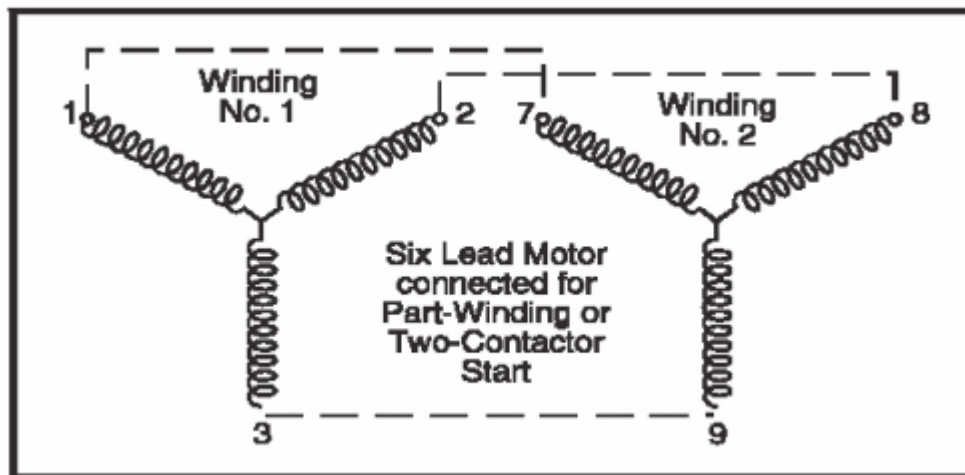




Motors designed for “part winding start” utilize only a portion of the winding at start-up. This means a portion of the windings are energized with full load voltage. Since the windings are divided into two parallel circuits, the motor will only be exposed to a portion of the current at start-up depending on the design.

Motors that divide the winding in half will see a 50% reduction in current at start-up. Motors that split the winding two thirds to one third energizing two thirds will see a current reduction of 33% at start-up.


A couple of advantages of using part winding start is to minimize voltage drop in a facility and excessive heat during start-ups.



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