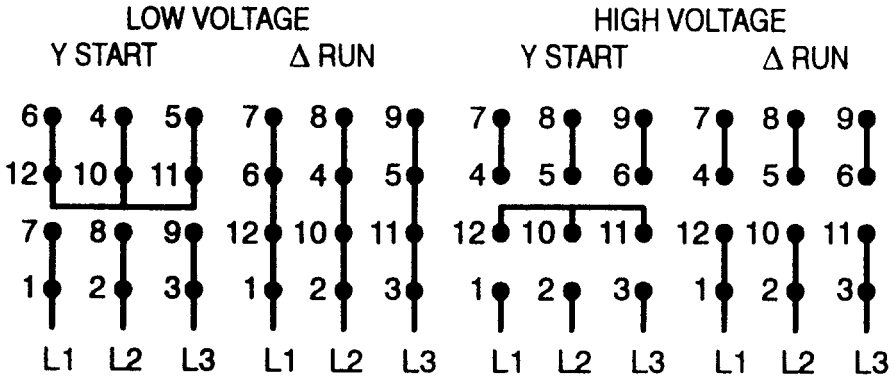
US ELECTRICAL MOTORS 137033

Motor Wiring Diagram

12 Lead, Dual Voltage, Wye Start / Delta Run, Both Voltages



FULL VOLTAGE ACROSS THE LINE START AND RUN ON Δ CONNECTIONS. ALSO SUITABLE FOR START ON Y, RUN ON Δ.

Per NEMA MG1 1998-1.76, "A Wye Start, Delta Run motor is one arranged for starting by connecting to the supply with the primary winding initially connected in wye, then reconnected in delta for running operation." This is accomplished by a special Wye-Delta starter configuration using six leads from the motor and is intended to limit the inrush current required to start the motor.

Motors designed by US Motors for Wye Start, Delta Run may also be used for across the line starting using only the Delta connection. Damage will occur if the motor is operated with load for more than 30 seconds on Wye without transition to Delta.

To reverse direction of rotation, interchange leads 1 & 2.

Each lead may have one or more cables comprising that lead. In such case, each cable will be marked with the appropriate lead number.

Connection Plate: 137033

Connection Decal: 344138

Revised: 12/02/99 REP