

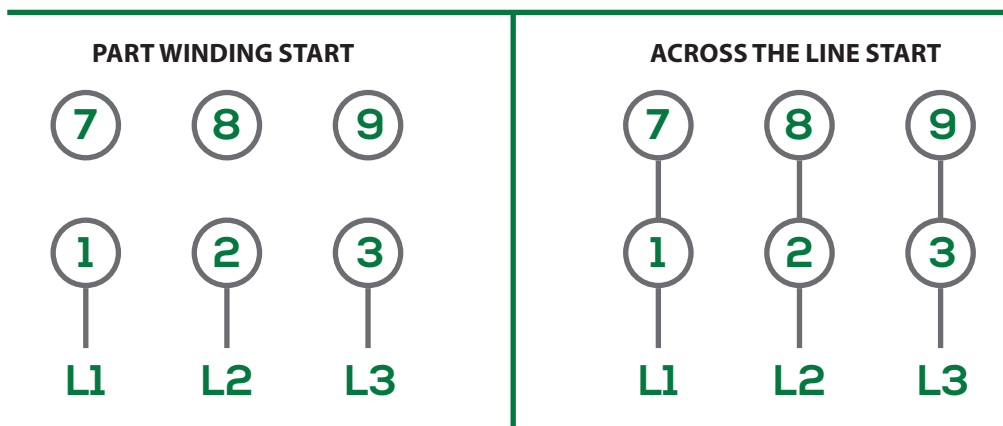


MOTOR WIRING DIAGRAM

SINGLE VOLTAGE, WYE OR DELTA CONNECTION PART WINDING START (PWS)

- OR -

FULL WINDING - ACROSS THE LINE START



EACH LEAD MAY CONSIST OF ONE OR MORE CABLES HAVING THE SAME LEAD NUMBER.

Per NEMA MG1 1998-1.75, "A Part Winding Start motor is one which certain specially designed circuits of each phase of the primary winding are initially connected to the supply line. The remaining circuit or circuits of each phase are connected to the supply in parallel with initially connected circuits, at a predetermined point in the starting operation." This is intended to limit the inrush current required to start the motor. NEMA MG1 1998-14.38 states that the motor may not accelerate to full speed in Part Winding and may be noisier than when on full winding.

Motors designed by **BMR MOTORS USA** for Part Winding Start can also be used for Across the Line Starting using only the full winding connection. Damage will occur if the motor is operated with load for more than 2 seconds on the Part Winding without transition to full winding.

To reverse direction of rotation, interchange leads L1 & L2.

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

