

# ECM 142R High Voltage Connections

The ECM 142R has two methods of input signal available. The first is the standard 24VAC (low volt) input that is used to start and stop the motor. The second is to use line voltage (115VAC or 230VAC) as an input similar to a psc motor. The type of input required must be specified when ordering a 142R motor because they are only available as separate models.

When using *hi volt inputs*, the motor can be programmed to operate in one of two ways:

1. Continuously powered to line voltage between L1 and L2. Speed select for up to 3 speeds accomplished by application of line voltage to combinations of leads HV1 and HV2.

L1 + L2\*                      = Line Voltage

HV1                              = Speed 1

HV2                              = Speed 2

HV1+HV2                      = Speed 3

\*Note L1+L2 must always be energized in order for either high voltage inputs to be operational

2. Upon application of line voltage to L1 and L2, the motor runs at a programmed speed (no additional input signals required). Hi volt leads can be added for additional speeds as shown above.