

PSC Motor

The PSC (permanently split-capacitor) motor operates off a split power supply and is not a typical multi-speed motor. The main winding is energized at 120 V and an auxiliary winding is energized with voltage from an autotransformer (approx 48 to 120 V) to obtain the maximum, high, and low motor speeds.

If requested, the motor speed can be adjusted using the speed switch as long as the heating and cooling requirements are satisfactory. CAUTION: Do not lower speeds on DX or Electric Heat units from factory settings.

As a further step, the taps to the autotransformer can be adjusted to adjust the maximum, high, and low motor speeds.

In general, the transformer output voltage with approximate no-load voltages to common wire are:

| | |
|-------------------|--------------|
| Red | 120 V |
| Orange | 98 V |
| Yellow | 90 V |
| Black | 76 V |
| Brown | 65 V |
| Blue | 56 V |
| Blue/White | 48 V |

An example of tap wiring for a MAUVF2 is MAX = Yellow; High = Blue/White; Low = Purple

