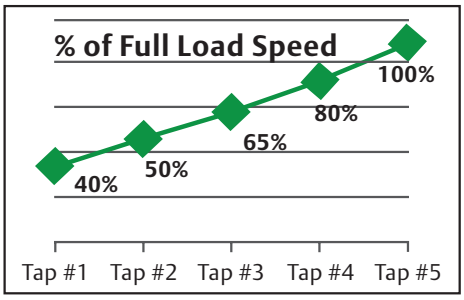
Universal Connections & Set-Up Options for EZ13™ and RESCUE® Select Pro™

Adjusting speed taps during installation

- Each motor has 5 taps programmed to a specific speed
  - The speed increases from low to high moving across taps 1 through 5. Each tap increases speed by approximately 10% to 20%.



Speed Profile of Universal Motor

(Note: Some OEMs set the speed values in reverse order, High to Low, 1 thru 5)

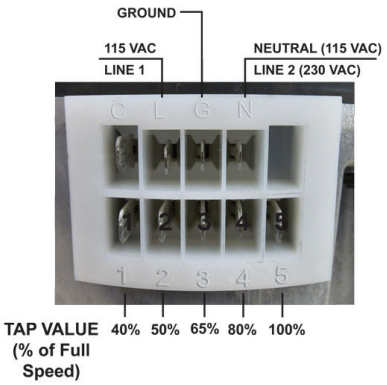


Figure 1 shows an example of a motor connected in 3 tap system. Taps 1, 2 and 3 are programmed to 48%, 62% and 78% of the full load speed, respectively, and taps 4 and 5 are unprogrammed.

Notice: During installation, the speed tap values of the original motor will not be known. For the purpose of demonstrating how to install a Rescue® Select™ motor, we have provided this information for ease of clarity.

Figure 2 shows how the speed taps on a Rescue® Select™ universal replacement motor should be selected to meet the original OEM motor specification. To match the proper airflow, taps 2, 3 and 4 are selected. This is determined by verifying airflow meets OEM equipment specification in all modes of operation.

Figure 1: Competitor's Connector

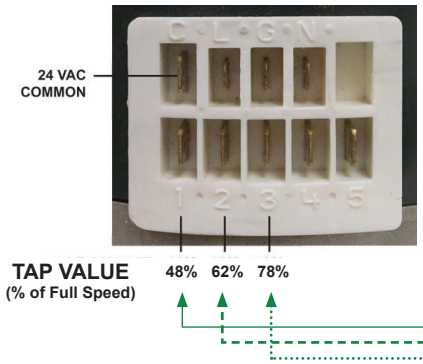
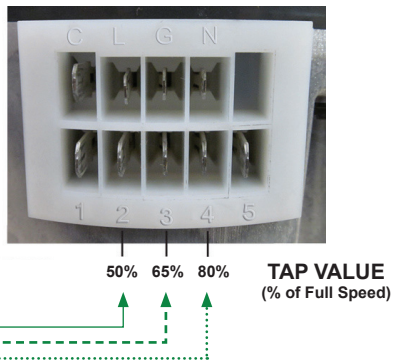


Figure 2: RESCUE Select Connector



Notice:

Verify airflow meets OEM equipment specification in all modes of operation. Temperature rise is a calculated difference between the temperatures in the supply air inlet and outlet of the HVAC system. The temperature reading should be taken inside the air ducts as close to the HVAC system as possible. Refer to the furnace/air handler manufacturer's manual for detailed temperature rise and specification