

## ECM motor Options Control Strategies

When equipped with a programmable DDC terminal unit controller, the Price fan powered unit is capable of several unique fan control strategies.

**Example 1** - During the cooling cycle, the terminal fan is off and the primary air valve provides variable air volume operation. On a call for heat, the terminal fan is energized at minimum fan flow. On a further drop in space temperature the fan flow is increased, supplying warm ceiling plenum air in the space. Fan flow is increased to a maximum limit defined by the terminal unit controller. If additional heat is required, an optional hot water or electric reheat coil is energized.

**Example 2** - On a call for full cooling the primary air valve supplies maximum flow and the fan is off. At reduced cooling demand the primary air flow is reduced and the fan is energized at minimum fan flow. On a further reduction of cooling demand, the primary air flow decreases while the fan flow is proportionately increased. On a call for heat the primary air flow is at minimum while the fan flow is at its maximum set point. If additional heat is required, an optional hot water or electric reheat coil is energized. This control strategy provides operation similar to a constant volume, series flow terminal unit, however, fan operation and energy consumption are reduced. Contact your Price representative for further details of these and other innovative control strategies:

