

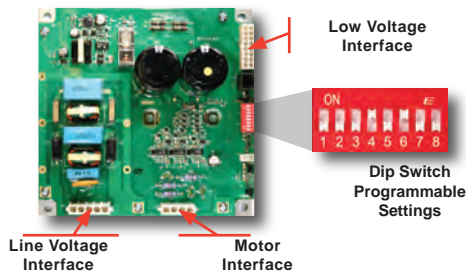


Mini Duct Heating and Air Conditioning  
Indoor Air Quality Systems

## EPC Motor Features & Benefits



- **Reduced Energy Usage** – The new inverter drive technology offered by the EPC motor and controller reduces power consumption by up to 70%, with an average overall yearly reduction of 50% of standard PSC motors. Noise related to excess power input is eliminated.
- **Energy Efficient Variable Frequency Drive Technology** – The EPC Controller reduces power usage to 120 watts/ton for cooling, 5 watts/mbh for heating and 60 watt average for constant fan.
- **Automatic Voltage Recognition** - Works on World Voltages 100-220V 50/60 cycle - the controller will automatically seek and switch to the input voltage available.
- **Reliable 3 Phase Motor** – Heavy Duty 3 Phase Motor provides years of reliable service, the heavy duty construction and power limiting function of the EPC controller minimizes motor stress and wear.
- **Mass Flow Program** – Senses the Airflow and changes Voltage and Phase to maintain constant pressure and CFM, the EPC controller will compensate for long or short duct installation, filter condition, wet/dry coil and a variety of variables that effect outlet CFM. The program also compensates for high static filters and other inline devices. Airflow related noise is reduced.
- **Dip Switch Programming** – Over 40 different pre-programmed performances are in each EPC controller, for easy infield programming from 1.5 thru 5.5 ton.



- **Multi-Speed Programming** – Each of the 40+ performance settings offer High Cooling 250cfm/ton, Low Cooling 150cfm/ton, High Heating 200cfm/ton, Low Heating 140cfm/ton, Constant Fan 120cfm/ton and De-humidification 200cfm/ton.
- **One Motor and Controller for all units** – Service parts are limited for ease of maintenance.
- **Pulse Wave Modulating Input** – With the soon-to-be available PWM Controller, multiple zoning is easy. The pressure sensing PWM Controller will adjust the motor performance to maintain constant pressure in Cooling, Heating, and Constant fan mode to compensate for damper operation and changing airflow demands, all while maintaining peak energy efficiency with the variable frequency drive technology.