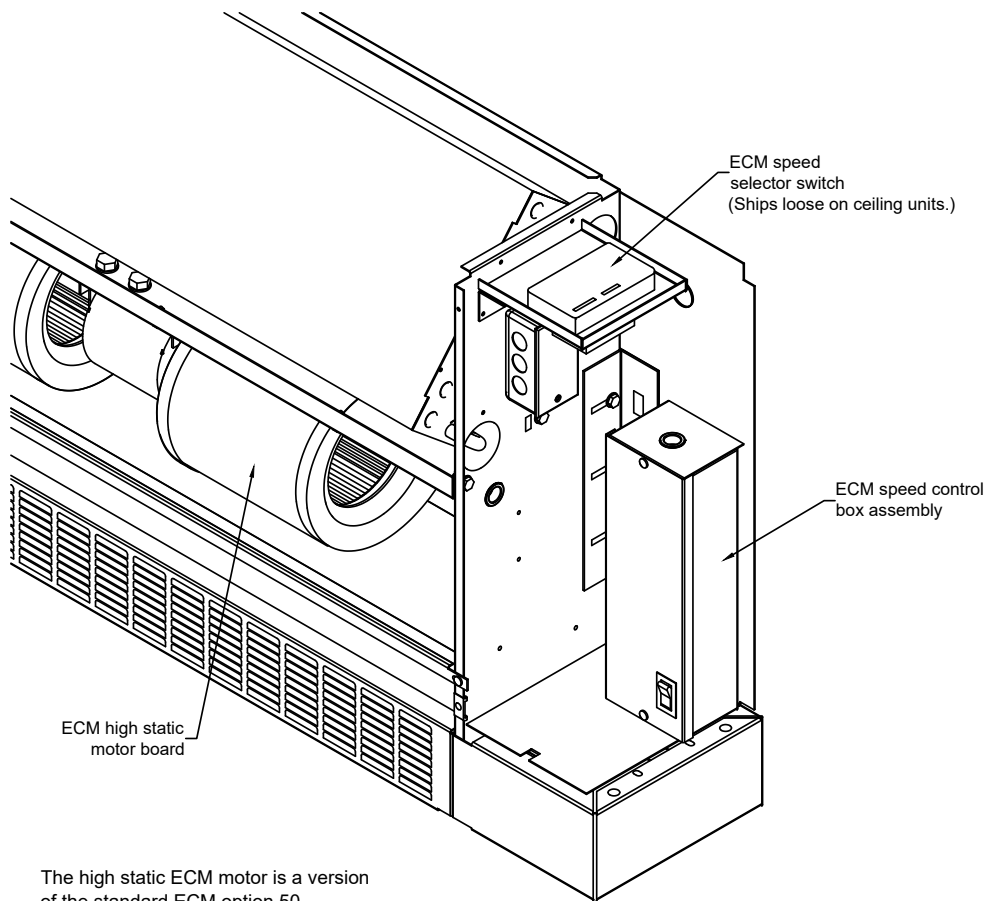




Cabinet Unit Heater
Option
51
Factory Installed

ECM HIGH STATIC
MOTOR WITH
INTERFACE CONTROL
BOARD AND
3 SPEED SWITCH

Maintains standard CFM
against 0.4 W.C. max.

The high static ECM motor is a version
of the standard ECM option 50.

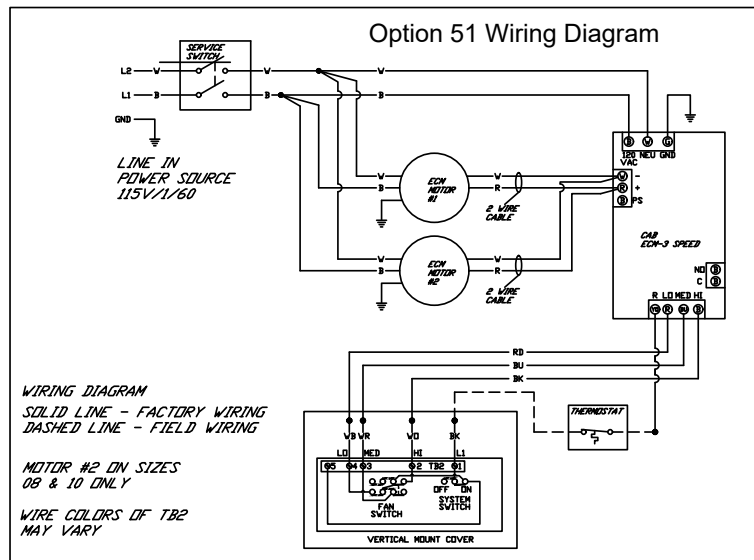
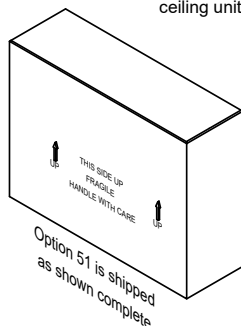
This option consists of an ECM motor specifically designed to overcome the external static pressure when duct work is attached to the inlet, outlet or both of the cabinet unit heater. This motor is approximately the same physical size and configuration as the standard ECM motor. In terms of performance, the RPM is 1550 whereas the standard ECM motor operates at 1050 RPM. With this factory installed high static motor option, the cabinet unit heater will operate to maintain standard air flow (CFM) with external static pressures up to .4" water column. (Not available on sizes 12 or 14)

The high efficiency electronically commutated motors (ECM) utilize brushless DC motors which are coupled with an interface control board that provides speed control of the motors. When the thermostatic control calls for heat, the interface board will ramp the motor speed up to the RPM appropriate for the speed selector switch setting. The speed selector switch has four positions, Off-High-Medium-Low. The ramping up feature eliminates the need for an additional motor starter (Option 22 motor starter is not available with ECM). Thermostats with contacts rated for low voltage power will integrate easily with the variable speed capabilities to satisfy existing conditions.

Note: Thermostat Option 127 can also be used in low voltage applications and is suitable for use with the ECM motors option.

Option 51 is provided with a service switch. Option 23 is not required.

Wired and installed on unit(s) at factory.
(Speed Switch Ships loose on ceiling units.)



CAT87185G.dwg