MOTOR ENCLOSURES

The following are the typical enclosures used in Fasco motors.

SHAFT UP

FACT This style has venting holes in the end shield on the shaft end. It will also have vent holes in the outer shell. These holes on the outer shell may either go around half of the motor's circumference or completely around it. This motor is generally used in applications where the motor is mounted vertically with the shaft pointing up. It can be used in horizontal applications as long as the particular model has outer shell holes only halfway around the circumference so they can be positioned beneath the motor. This will prevent rain from entering. The fan blade is mounted to the motor and usually blows air away from the shaft end. This air flow is vital to the motor as this is what cools it.

SHAFT DOWN

FACT This style has venting holes in the end shield on the shaft end. It will also have vent holes in the outer shell. These holes on the outer shell may either go around half of the motor's circumference or completely around it. This motor is generally used in applications where the motor is mounted vertically with the shaft pointing down. It can be used in horizontal applications as long as the particular model has outer shell holes only halfway around so they can be positioned beneath the motor. This will prevent rain from entering. The fan blade is mounted to the motor and usually blows air toward the shaft end. This air flow is vital to the motor as this is what cools it.

TOTALLY ENCLOSED NON VENTED (TENV)

FACT This style has no venting holes in the end shields or the motor shell. This motor is used in applications where the motor is mounted either vertically or horizontally. It will cool itself in the same manner as the two other styles mentioned above. It relies on the fan blade to blow air over it.

MAXIMUM VENTILATION

FACT These style motors have ventilation holes around the outer shell of the motor as well as vented end shields. This design allows air to circulate freely over the winding. Care must be taken not to allow rain water to enter these motors. Some of these have only half of the perimeter vented to allow a horizontal mounting while protecting the windings from rain.

TOTALLY ENCLOSED FAN COOLED

FACT This motor has no vent holes in the end shields or outer shell. Cooling is accomplished by the use of an outside fan blade mounted to an extended motor rear shaft. The blade has a cover that directs its air over the shell of the motor.

OPEN DRIP-PROOF

FACT This motor is self-cooling since it has an internal cooling fan. It has vent holes in the end shields and the outer shell in a limited amount. This prevents water from dripping or rain from entering the motor.