

When looking for replacement Motors look no further than our Factory Authorized Parts (F.A.P.)! F.A.P. are designed to meet exact Carrier® Corporation specifications, ensuring optimum system performance, proven reliability, easy installation and maintenance and safe system operation.

F.A.P. Features

Improved Efficiency

Motor runs at most efficient portion of motor performance curve by design

- Ensures motor is not overloaded
- Ensures that motor operates at the design RPM, which produces the correct airflow

Reduced System Vibration

System design puts motor RPM at optimal point for limiting torque pulsations that can generate excess vibration in the unit

Reduced Noise

System qualification includes additional testing such as start/stop and pure tone noise identification which further ensures there is no excessive vibration or noise during unit operation.

Overall length of motor assures that fan is located at intended position to minimize sound and maximize airflow

Reduced stress on components

Natural frequencies of the top system are determined through design process. Motor operating frequencies are designed away from these resonances

Reduced wear on system

Motors tested to Temprise standard stricter than required by UL 1995. Motors must meet maximum winding temperatures required by UL at higher ambient and wider voltage ranges (RES-SPL-CQR-0012A)

Stringent design-life testing provides longer life

100,000 on/off cycles and 50,000 total running hours; 15 years.

Reliability Testing Regimen

Each motor chassis design goes through internal and supplier testing including salt spray, torture, life, and operational envelope testing. (CC14BD002 and Alternating Current Fan Motor Standard)

Raceway Connections

F.A.P. motors have liquid tight connector for lead exit that connects to raceway.

Wire Terminations and Lengths

Wire terminations are the same as production motors so no termination is necessary. Wire lengths reach required end points without alteration.

Fewer On-site Modifications required

Fan guards and top covers are designed to accept F.A.P. motors without modification. Exact size fit means easiest access.

Few Hardware Issues

Hardware used to mount and secure original motor can be used to mount replacement motor

UL & CSA Qualified

Both the CBP unit and the F.A.P. motor are UL & CSA qualified. Using the F.A.P. motor maintains UL & CSA qualification of the equipment