



# Blower & Condenser Motors

Factory Authorized Parts™ have been designed and built specifically for Carrier®, Bryant® or Payne® equipment. These parts are the perfect fit, restoring equipment to its original performance and are available at your local Carrier, Bryant or Payne equipment distributor. **2-Year warranty** on all Factory Authorized Parts™ excluding compressors and commercial applied parts.

		Factory Authorized Parts™ PSC Motors
<b>System Performance</b>	<b>Features</b>	
	<b>Improved Efficiency</b>	Motor runs at most efficient portion of motor performance curve by design <ul style="list-style-type: none"> <li>• Ensures motor is not overloaded</li> <li>• Ensures that motor operates at the design RPM, which produces the correct airflow</li> </ul>
	<b>Reduced System Vibration</b>	System design put motor RPM at optimal point for limiting torque pulsations that can generate excess vibration in the unit
	<b>Reduced Noise</b>	System qualification includes additional testing such as start/stop and pure tone noise identification which further ensures there is not 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
<b>System Reliability</b>	<b>Reduced Wear on Components</b>	Natural frequencies of the top system are determined through design process. Motor operating frequencies are designed away from these resonances
	<b>Reduced Wear on System</b>	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)
	<b>Stringent Design-life Testing Provides Longer Life</b>	100,000 on/off cycles and 50,000 total running hours; 15 years.
	<b>Reliability Testing Regimen</b>	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)
<b>Installation and Serviceability</b>	<b>Raceway Connections</b>	F.A.P. motors have liquid tight connector for lead exit that connects to raceway
	<b>Wire Terminations and Lengths</b>	Wire terminations are the same as production motors so no termination is necessary. Wire lengths reach required end points without alteration.
	<b>Fewer On-site Modifications Required</b>	Fan guards and top covers are designed to accept F.A.P. motors without modification. Exact size fit means easiest access.
	<b>Few Hardware Issues</b>	Hardware used to mount and secure original motor can be used to mount replacement motor.
<b>Safety</b>	<b>UL &amp; CSA Qualified</b>	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



**Factory Authorized Parts™ are the ONLY replacement parts authorized by Carrier Corporation for use on Carrier®, Bryant® and Payne® branded equipment.**

**Factory Authorized Parts™ are only available thru your local Totaline® Sales Center.**