

POLICY BULLETIN

Tecumseh Compressor Company
Compressor Group



Tecumseh

SUBJECT: Start Winding Protection

PB-108

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ISSUED: 6/20/66

REV. DATE: 4/23/2007

The need for start winding protection has been under study for sometime, and it is now considered by the Engineering Department at Tecumseh as definitely required.

Engineering Policy on START WINDING PROTECTION

No. [EP-3](#)

Is offered for use by the Electrical Design and/or Application Engineer.

In view of the experience as outlined in the policy, it is considered mandatory that START WINDING PROTECTION BE USED. Otherwise, we shall reserve the right to withdraw warranty coverage.

Amendment:

During the past several years, Tecumseh has vigorously continued its studies of hermetic compressor motor start winding protection. These studies have considered the direct effect of start winding protection on compressor reliability as well as the parallel effect of design and manufacturing improvements made in electrical components used with the compressor on CSR applications.

The findings of this study have been sufficiently encouraging to permit a modification of our start winding protection policy. No longer will start winding protection be a condition of our General Warranty. Tecumseh will, however, continue to recommend start winding protection as a worthwhile added safety feature.

There are several reasons for this modification of policy. The industry's acceptance of capacitor specifications and the resultant emphasis on adequate dielectric thickness has been a major factor in improving quality and reliability. Another factor has been the positive action taken by relay manufacturers in producing relays less susceptible to malfunctioning. Increasing levels of application awareness and competence in the factory and in the field, have also been helpful.

Please retain the Engineering Policy as originally transmitted to you with Policy Bulletin No. PB-108 and use this amendment as a guide for design criteria in the future.