POLICY BULLETIN

Tecumseh Compressor Company
Compressor Group

Tecumseh

SUBJECT: Tecumseh Warranty PSC Motors – Starting

PB-102
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Compressors equipped with motors designed for Permanent Split Capacitor (PSC) application are subject to all the provisions of the standard warranty adopted December 1, 1998, providing specified electrical components as listed on our Specification Sheet BM WS100-1 and WS100-2 are used.

Tecumseh Compressor Company will accept for replacement under warranty, customer's **Line Rejects Only** should they fail to start when tested in accordance with the following specifications:

1.0 Packaged equipment constituting a complete refrigeration cycle and utilizing capillary tubes or equalizing expansion valves.

1.1 Compressor must be operated in the application for a minimum period of twenty (20) minutes.

1.2 Single voltage 60 Hz. compressors shall be tested at the following Locked rotor voltage measured at the compressor terminals:

Nominal Voltage Range	Locked Rotor Voltage
115	97
230	197
230/208	197
265	230

1.3 Fifty Hz. compressors may be tested with 50 or 60 Hz. power with the locked rotor voltage measured at the compressor terminals as follows:

Compressor Nominal Voltage	60 Hz. Test Power	50 Hz. Test Power
240/220 Volts, 50 Hz.	220	197

1.4 There shall be no differential pressure between the low pressure and high-pressure side of the system, or no pressure differential across the high and low side of the compressor. The maximum equalized system pressure shall not exceed 170 psig or R-22 and R-407C.

1.5 The low voltage start test shall be made immediately following the operation period allowed for equalization.

1.6 The starting voltage shall be applied for a period of six (6) seconds before rejecting for failure to start. If an overload trip occurs in less than six (6) seconds, two overload resets shall be allowed.

2.0 Condensing units or other non-completed refrigeration equipment will only qualify under the PSC warranty if the unit is tested and performs as a completed refrigeration package.

It would be economically advisable for the manufacturer to consider the addition of components to improve starting capability in lieu of compressor removal for return under warranty. If the manufacturer does so, Tecumseh Compressor Company will not assume any liability for the cost of labor or parts required. The electrical components listed in Specifications BM WS100-1 and BM WS100-2 are the basis for reject under our PSC warranty. This specification is available upon request from Tecumseh Compressor Company. This warranty only applies to manufacturer's starting tests as prescribed above and in no way implies or extends to field installations.