



XEWR8.GuideInfo

Thermal-device-protected Motors Certified for Canada - Component

[View Listings](#)

[Page Bottom](#)

[Thermal Protection for Motors Certified for Canada - Component] Thermal-device-protected Motors Certified for Canada - Component

[See General Information for Thermal Protection for Motors Certified for Canada - Component](#)

The devices covered under this category are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE EQUIPMENT SUBMITTED TO UL.

GENERAL

This category covers thermal-device-protected motors, which comply with the requirements for running and locked-rotor protection, or comply with the requirements for locked-rotor protection only and are for use in appliances where running protection is not required.

These motors have been investigated for an essentially sinusoidal 50 or 60 (as indicated) Hz source of rated voltage. Use of these motors supplied by a nonsinusoidal source will likely require evaluation and retest.

PRODUCT MARKINGS

These thermal-device-protected motors are marked with:

1. The name, trademark or trade name of the manufacturer.
2. The model or catalog number.
3. Rated voltage.
4. Rated frequency, specified with hertz (Hz), cycles per second (cps or c/s), ac-dc, (number of cycles)/dc (e.g., 60/dc).
5. Full-load input amperage, locked-rotor input amperage, full-load input wattage, locked-rotor input wattage, output horsepower, or output wattage. Ratings are provided at each speed unless the motor is of the shaded-pole or permanent-split-capacitor type.
6. Number of phases when intended for use on a polyphase circuit.
7. A motor tested for running-heating and locked-rotor protection is marked "Thermally-Protected."

Exception: A motor 1/8 hp or less, or 100 W or less, may be marked "T.P."

8. A motor tested for locked-rotor protection only is marked "Thermally-Protected L."

Exception: A motor rated 1/8 hp or less, or 100 W or less, may be marked "T.P.L."

9. A motor rated for short-time or intermittent duty is marked on the nameplate with the words "intermittent duty" (or "int. duty"), or with a time rating in minutes or hours or a combination of minutes and hours. The rating is able to be for "On" time only or include specifications for both "On" and "Off" periods.

A motor that complies with the requirements for field wiring as referenced in CSA-C22.2 No. 100, "Motors and Generators," is marked, "Acceptable for Field Wiring." If not so marked, or if the end-product requirements supersede the CSA-C22.2 No. 100 field-wiring requirements, the suitability of the motor for field wiring in the end product should be determined as part of the end-product investigation.

CONDITIONS OF ACCEPTABILITY

Consideration is to be given to the following Conditions of Acceptability when these components are employed in the end-use equipment:

1. The suitability of or need for an ultimate enclosure shall be determined in the end-use application.
2. The suitability of motor-mounting means, motor leads, strain relief, and lead terminations shall be investigated for each end-use application.
3. These motors have not been investigated with a speed control. If provided, the suitability and need for any additional testing of a speed control shall be determined in the end-use application.
4. No investigation of an encoder or brake assembly has been made. If one or both are provided, the suitability shall be determined in the end-use application.
5. No investigation of an EMC filter has been made. If one is provided, the suitability shall be determined in the end-use application.

REQUIREMENTS

The basic standard used to investigate products in this category is CSA-C22.2 No. 77, "Motors with Inherent Overheating Protection."

Where indicated in the individual Recognitions, the spacings provided within these motors have additionally been investigated to CSA-C22.2 No. 0.2, "Insulation Coordination."

UL MARKING

Components Recognized under UL's Component Recognition Program are identified by markings consisting of the Recognized company's identification and catalog, model, or other product designation. In addition, components produced under the UL Component Recognition Program will also bear the Recognized Component Mark for Canada



The Listing or Classification Mark of UL is not authorized for use on, or in connection with, Recognized Components. Only those components that actually bear the "Marking" should be considered as being covered under the Component Recognition Program.

UL, in performing its functions in accordance with its objectives, does not assume or undertake to discharge any responsibility of the manufacturer or any other party. UL shall not incur any obligation or liability for any loss, expense or damages, including incidental or consequential damages, arising out of or in connection with the use, interpretation of, or reliance upon this Guide Information.

Last Updated on 2013-04-08

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

© 2016 UL LLC

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2016 UL LLC".