

STANDARD INFORMATION

Standard Number: UL 1004-1

Standard Name: Standard for Rotating Electrical Machines – General Requirements

Standard Edition and Issue Date: 2nd Edition Dated September 19, 2012

Date of Revision: August 24, 2017

Date of Previous Revision of Standard: March 8, 2017

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **October 22, 2018**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes: Marking requirements for motors with a service factor. Specific details of new/revised requirements are found in table below.

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised requirements do not apply to your product (s).

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



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CLAUSE	VERDICT	COMMENT
	Info	MARKINGS
44	Info	General
		A machine shall be marked to indicate:
		a) Manufacturer's name or identification;
		b) Machine catalog or model number;
		c) Rated voltage;
		d) Full-load amperes, watts or kilowatts, or both;
		e) Rated speed;
		f) Rated horsepower or output wattage if over 93 W (1/8 hp);
		<i>Exception: A fractional horsepower air-over motor is not required to be marked to indicate output horsepower or wattage.</i>
44.1		g) Rated temperature rise or the insulation system class;
		h) Rated ambient temperature, if other than 40°C (104°F);
		i) Rated frequency – expressed in one of the following terms: hertz, Hz, ac-dc, (frequency in Hz)/dc (for example, 60/dc), or ac only – or direct current; and, for a machine intended for use on a polyphase circuit, number of phases; and
		j) If greater than 1, number of phases.
		k) A continuous duty motor shall be marked “Continuous” or “CONT”.
		l) A direct-current motor shall be marked to indicate the winding type – straight shunt, stabilized shunt, compound, or series.
		m) A multi-speed motor, other than a shaded-pole or a permanent-split-capacitor motor, shall be marked with the amperes and horsepower at each speed.
		<u>n) The rated service factor for motors intended to be operated without a dedicated drive, where service factor exceeds 1.0.</u>



CUSTOMERS PLEASE NOTE: This Table and column “Verdict” can be used in determining how your current or future production is or will be in compliance with new/revised requirements.
