

**भारतीय मानक ब्यूरो**  
**(केंद्रीय मुहर विभाग - III)**

हमारा सन्दर्भ : कें. मु. वि. - III / 16 : आई एस 302 -2-80

20 जून 2025

विषय : इलेक्ट्रिक प्रकार के पंखों के प्रमाणीकरण के लिए दिशानिर्देश

सभी क्षेत्रीय / शाखा कार्यालयों कृपया ऊपर उल्लिखित विषय पर संलग्न परिपत्र देखें

(पीयूष प्रकाश)

वैज्ञानिक - डी (सी एम डी-III)

**प्रमुख (सी एम डी-III)**

**सभी क्षेत्रीय / शाखा कार्यालय**

प्रतिलिपि : आई टी एस विभाग - बी आई एस इंटरनेट पर डालने हेतु

**BUREAU OF INDIAN STANDARDS**  
**(CENTRAL MARKS DEPARTMENT- III)**

Our Ref: CMD-III:/ 16: IS 302 -2-80

20 June 2025

**Subject: Guidelines for certification of electric type fans**

BOs/ROs may kindly see the attached circular on the subject mentioned above.

Peeyush Prakash  
Sc.-D(CMD-III)

**Head (CMD-III)**

**All ROs/ BOs**

Copy to ITSD: for uploading on BIS intranet.

**CENTRAL MARKS DEPARTMENT - III**

**Our Ref: CMD-III:/ 16: IS 302 -2-80**

**20 June 2025**

**Subject: Guidelines for certification of electric type fans**

1. The IS 302-2-80 : 2017 – ‘Household and similar electrical appliances - Safety: Part 2 - 80 particular requirements for fans (First Revision)’ is covered under mandatory certification.
2. The Clause 24.104 of IS 302-2-80 : 2017 states that  
*“Capacitors shall be easily replaceable and clearly marked with the maximum safe working temperature, and the corresponding voltage and capacitance. Capacitors shall comply with IS 1709.”*
3. The existing IS 1709 : 1984 ‘Specification for capacitors or electric fan motors (First Revision)’ and IS 2993 : 1998/ IEC 252 : 1993 ‘A.C. motor capacitors (Second Revision)’ have been revised and published as following two parts:
  - a. IS 2993 (Part 1) : 2024/ IEC 60252-1 : 2010 ‘a.c. Motor Capacitors Part 1 General - Performance, Testing and Rating - Safety Requirements - Guidance for Installation and Operation (Third Revision)’;
  - b. IS 2993 (Part 2) : 2024/ IEC 60252-2 : 2010 ‘a.c. Motor Capacitors Part 2 Motor Start Capacitors (Third Revision)’.
4. The last date of concurrent running of the IS 1709 : 1984 and IS 2993 : 1998/ IEC 252 : 1993 with the revised IS 2993 (Part 1) : 2024/ IEC 60252-1 : 2010 and IS 2993 (Part 2) : 2024/ IEC 60252-2 : 2010 is 18th July 2025.
5. Currently the following Indian Standards in certification for electric fans refer to IS 1709 for the requirements of capacitors:

Sl.No.	IS No. and Title	Clause No.	Requirements
a.	IS 302-2-80 : 2017 Household and similar electrical appliances - Safety: Part 2 - 80 particular requirements for fans (First Revision)	Cl. 24.104	Capacitors shall be easily replaceable and clearly marked with the maximum safe working temperature, and the corresponding voltage and capacitance. <b>Capacitors shall comply with IS 1709.</b>
b.	IS 555 : 1979 Specification for electric table type fans and regulators (Third Revision)	6.14 Capacitors	Capacitors, if any, shall be easily replaceable and placed at sufficient distance from the windings, so that its maximum safe working temperature is not exceeded. Capacitors shall be clearly marked with the maximum safe working temperature, and the corresponding voltage and capacitance. <b>Capacitors shall comply with IS: 1709-1960.</b>

c.	IS 2312 : 1967 Specification for propeller type AC ventilating fans (First Revision)	6.9 Capacitors	Capacitors, if any, shall be easily replaceable and placed at sufficient distance from the windings, so that its maximum safe working temperature is not exceeded. Capacitors shall be clearly marked with the maximum safe working temperature, and the corresponding voltage and capacitance. <b>Capacitors shall comply with IS: 1709-1960.</b>
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6. Necessary amendments are being issued to above mentioned Indian Standards to incorporate reference to the revised Indian Standards (IS 2993 (Part 1) : 2024/ IEC 60252-1 : 2010 and IS 2993 (Part 2) : 2024/ IEC 60252-2 : 2010) .
7. In this regard, it has been decided that wherever conformity to IS 1709 has to be ensured, licencees/ applicants may ensure the conformity of the capacitors with applicable revised Indian Standards IS 2993 (Part 1) : 2024/ IEC 60252-1 : 2010 or IS 2993 (Part 2) : 2024/ IEC 60252-2 : 2010.
8. This issues with the approval of Competent Authority.
9. The above changes come into effect immediately.

Peeyush Prakash  
Sc.-D(CMD-III)

**Head (CMD III)**

**DDG (Certification)**

Circulated to all BOs