

(PREVIEW)

Indian Standard**SPECIFICATION FOR THREE-PHASE INDUCTION MOTORS FOR FANS USED IN AIR-CONDITIONING AND VENTILATION****1 SCOPE**

1.1 This standard covers three-phase squirrel cage induction motors for driving fans for ventilation, air-conditioning and commercial heating for voltages up to and including 11 000 V and having windings with Class E, Class B and Class F insulation (*see* IS 1271 : 1985)

1.2 This standard does not cover induction motors for induced draught fans

1.3 Motors for use on systems employing non-preferred voltage and frequency (*see* 9) shall be considered as complying with this standard provided that these comply in all respects. The voltage and frequency for which they are designed shall be indicated on the rating plate of the motor.

2 REFERENCE STANDARDS

2.1 The standards given in Annex A are necessary adjuncts to this standard.

ANNEX A**(Clause 2.1)****LIST OF REFERRED INDIAN STANDARDS**

<i>IS No.</i>	<i>Title</i>
325 : 1995	Three-phase induction motors (<i>fifth revision</i>)
996 : 1979	Single-phase small ac and universal electric motors (<i>second revision</i>)
1231 : 1974	Dimensions of three-phase foot-mounted induction motors (<i>third revision</i>)
1271 : 1985	Thermal evaluation and classification of electrical insulation (<i>first revision</i>)
1885 (Part 35) : 1993	Electrotechnical vocabulary: Part 35 Rotating machinery
2223 : 1983	Dimensions of flange mounted ac induction motors (<i>first revision</i>)
2540 : 1963	Dimensions for threaded centre holes
3043 : 1987	Code of practice for earthing
4029 : 1967	Guide for testing three phase induction motors
4691 : 1985	Degrees of protection provided by enclosure for rotating electrical machinery (<i>first revision</i>)
4728 : 1975	Terminal marking and directions of rotating for rotating electrical machinery (<i>first revision</i>)
6362 : 1971	Designation of methods of cooling of rotating electrical machines

<i>IS No.</i>	<i>Title</i>
12075 : 1987	Mechanical vibration of rotating electrical machines with shaft heights 56 mm and higher measurement, evaluation and limits of vibration severity (superseding IS 4729 : 1968)
12360 : 1988	Voltage bands for electrical installations including preferred voltages and frequency (superseding IS 585)
12824 : 1989	Type of duty and classes of rating assigned to rotating electrical machines