

## Schedule – 8 Ceiling Fans

### 1. Scope

- 1.1 This schedule specifies the requirements for participating in the energy efficiency standards and labelling for ceiling fans covering 1200mm sweep.
- 1.2 The referred Indian Standard are IS 374 : 1979 (Specification for Ceiling Type fans and regulators) with all amendments, as applicable

### 2. Schedule of Tests:

#### 2.1. Method of Tests:

The testing code and procedure shall be as per IS 374:1979 with all amendments, as applicable.

#### 2.2 Parameters to be tested:

Parameters for initial, verification and challenge testing are the mandatory type tests listed under clause 10 of IS 374: 1979 and including all amendments as of date relevant to the determination of service value. These tests would generally include-

- Air delivery
- Fan speed & power input

### 3. Conditions of compliance:

The performance requirements will be in accordance with clause 8 of prevalent IS 374:1979.

For compliance with the requirements of this standard, the values of service factor & air delivery are as listed in table below for 1200mm sweep operating at rated voltage and rated frequency at full speed.

### 4. Star Rating Plan :

The star rating plan for ceiling fans is as follows:

Star Rating Index Calculation for Ceiling Fans	
Star Rating	Service Value for Ceiling Fans*
1 Star	$\geq 3.2$ to $< 3.4$
2 Star	$\geq 3.4$ to $< 3.6$
3 Star	$\geq 3.6$ to $< 3.8$
4 Star	$\geq 3.8$ to $< 4.0$
5 Star	$\geq 4.0$

\*Where x is the base service value as per IS 374:1979. BEE has proposed a base service value of 3.2 at present and would upgrade it to higher value once the BIS value is finalised.

\*The BIS has proposed from the year 2010 the service value of 3.5.

\*All ceiling fans covered under this standard shall comply with minimum Air Delivery of 210 cu m/min.

### 5. Tolerance limits:

The performance values are minimum values & shall subject to any tolerance as per IS 374.1979.

**5. Sampling for check and challenge Testing:**

The samples will be picked up by BEE or its designated agency for testing at the NABL accredited laboratory, two samples will be picked up at random from the retail outlet for the same.

**6. Qualifications:**

- a) The products should conform to all the requirements of IS 374:1979 with all its amendments to participate in BEE labelling Program.
- b) BIS mark licensing **or** Quality Certification such as ISO – 9000 and above should be required to participate in BEE labelling Program

**7. Label content, manner of display:**

The label design, manner of display & contents will be as per the Annexure-1

**8. Labelling Fees :**

- i. Registration fee is payable on application for authority to affix labels is Rs. 1000/- (*Rupees one thousand only*)
- ii. Registration fee is payable on application for renewal of authority to affix labels is Rs. 500/- (*Rupees five hundred only*)
- iii. Labelling fee for affixation of label is Rs. 1 per BEE labelled ceiling fan (*one Rupee only*)

## Annexure-I

### LABEL DESIGN AND MANNER OF DISPLAY

#### 3.1 PLACEMENT

All ceiling fans must display the label at the point of sale. The label shall be adhered to the nameplate affixed on the switch housing/switch cup. The BEE label shall be imprinted on the top left corner of the name plate. The relevant BIS mark on the top right corner of the nameplate, if applicable.

For units not on display, the label may be attached to the exterior of the packaging having the same directions of display as mentioned above. The label may be attached to the unit when the unit is removed from its packaging or the label may be included as a part of the documentation given to the customer/user.

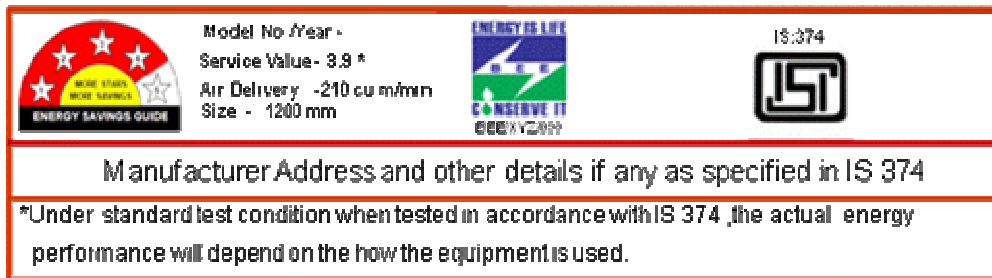
#### 3.2 MATERIAL AND SHAPE

The label shall be of metal or any other non perishable material when used for nameplate on the switch housing / switch cup, if it is to be attached as a display on the exterior of the packaging then the label may be displayed by printing on the casing or a self adhesive label, as applicable

#### 3.4 SAMPLE LABEL

An example of a printed energy label for air conditioner is shown in Figure 3.1.

Fig.3.1 Sample Label



**Sample Picture of manner of affixing of Label:**

