

Technical Requirement for Environmental Products

The Certificable Technical Requirement for Environmental Labelling Products

Copier

HJBZ 40—2000

1 Scope

This technical requirement specifies the basic requirements, technical contents and test methods for environmental labelling products of electrostatic copier.

This technical requirement shall apply to common electrostatic copier (hereinafter referred to as copier) which is used to copy literature and engineering drawings by dry process development, heat fixing.

2 Standards cited

Provisions in the following standards are cited in this technical requirement, and therefore form the provisions in this standard. They have the same effectiveness as the technical requirement itself.

GB/T 10992.1-1999 Electronstatic copying machines—Document copiers

GB/T 10992.2-1999 Electronstatic copying machines—Portable copiers

GB/T 10992.3-1999 Electrostatic copying machines—Engineering copiers

JB/T 7476-1994 Test method for noise emitted by copying machine

GB 12749-91 Environmental pollution measuring methods for copying machine

GB/T 16024-1995 Workplace air—Determination of ozone—Eugenol—pararosaniline hydrochloride spectrophotometric method

GB/T 5748-85 Methods for airborne dust measurement in work place

GB/T 14670-93 Air quality—Determination of styrene—Gas chromatography

In case of the criteria above are revised, the latest version should be applied.

3 Basic requirements

3.1 Quality of products and safety performance shall conform with requirement of relevant product quality standards.

3.2 Pollutant emission of the company should conform with pollutant emission standards nationally or locally.

4 Technical contents

4.1 Noise of copier should meet what specified in table 1 in the case of testing the copier by method described in JB/T 7476-94.

4.2 Ozone concentration generated by copier should be $\leq 0.04\text{mg}/\text{m}^3$ in the case of testing it according to GB 12749-91.

4.3 Dust concentration generated by copier should be $\leq 0.25\text{mg}/\text{m}^3$ in the case of testing it according to GB 12749-91.

4.4 Styrene concentration generated by copier should be $\leq 0.11\text{mg}/\text{m}^3$ in the case of testing it according to GB 12749-91.

4.5 There should be toner recycle system for the copier.

Approved by SEPA on 01/27/2000

Entered into force on 01/27/2000

Table 1 Requirement for noise

Items	Document Copier			Engineering drawing Copier
	Middle/ low speed copiers (copying speed < 40 pages/min)	High speed copier (copying speed > 40 pages/min)	Personal copier	
Noise[dB(A)]	≤68	≤70	≤65	≤75

5 Test

- 5.1 Noise should be measured by adopting the method specified in JB/T 7476-94.
- 5.2 Ozone should be measured by adopting method specified in GB/T 16024-1995.
- 5.2 Dust should be measured by adopting method specified in GB/T 5748-85.
- 5.4 Styrene should be determined by the method described in GB/T 14670-93; where, sampling procedure in 5 and calculation in 6.4.3.2 refer to relevant contents in GB 12749-91.
- 5.5 Certification of test in 4.5 of the technical contents shall be provided by certification agency.

Annotations:

This technical requirement has been prepared by Department of science and technology, standards of State Environment Protection Administration.

The State Environment Protection Administration keeps the right of interpretation for this technical requirement.