

Fans for general purposes —

Part 4: Dimensions

ICS 23.120

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

National Foreword

This British Standard is the UK implementation of EN ISO 13351:2008. It is identical to ISO 13351:1996. It supersedes ISO 13351:1996.

The UK participation in its preparation was entrusted to Technical Committee MCE/17, Industrial fans.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

This British Standard, having been prepared under the direction of the Engineering Sector Board, was published under the authority of the Standards Board and comes into effect on 15 January 1997

© BSI 2009

The following BSI references relate to the work on this standard:
Committee reference MCE/17
Draft for comment 94/706547 DC

ISBN 978 0 580 63487 1

Amendments/corrigenda issued since publication

Date	Comments
31 May 2009	Implementation of CEN endorsement of ISO 13351:1996 still dual numbered as BS 848-4:1997

English Version

Industrial fans - Dimensions (ISO 13351:1996)

Ventilateurs industriels - Dimensions (ISO 13351:1996)

This European Standard was approved by CEN on 2 October 2008.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

The text of ISO 13351:1996 has been prepared by Technical Committee ISO/TC 117 “Industrial fans” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 13351:2008 by Technical Committee CEN/TC 156 “Ventilation for buildings” the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2009, and conflicting national standards shall be withdrawn at the latest by April 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 13351:1996 has been approved by CEN as a EN ISO 13351:2008 without any modification.

Contents

	Page
Committees responsible	Inside front cover
Introduction	1
1 Scope	1
2 Normative references	1
3 Definitions, symbols and abbreviations	1
4 Required characteristics	2
Figure 1 — Impeller of a centrifugal fan	2
Figure 2 — Impeller of an axial-flow fan	2
Figure 3 — Impeller of a mixed-flow fan	2
Figure 4 — Circular flanges	4
Figure 5 — Rectangular flanges — Dimensions	7
Table 1 — Fan sizes	2
Table 2 — Circular flanges — Dimensions for general purpose fans	5
Table 3 — Circular flanges — Dimensions for heavy duty fans	6
Table 4 — Rectangular flanges — Dimensions	8
Table 5 — A series of rectangular outlets based on the R20 series — Aspect ratios, k_p	9
Table 6 — A series of rectangular outlets based on the R20 series — Aspect ratios, k_g	10
List of references	Inside back cover

blank