



SLOVENSKI STANDARD SIST EN 13053:2001

01-december-2001

DfYnfU Yj Ub^Y'ghUj V!'7 YbUfU bY'YbchY'!'CWb]hYj 'j b`Uglbcghj`Ybclž_ca dcbYbh]b
gY_W^

Ventilation for buildings - Air handling units - Ratings and performance for units, components and sections

Lüftung von Gebäuden - Zentrale raumluftechnische Geräte - Leistungsdaten für Geräte, Komponenten und Baueinheiten

ITeH STANDARD PREVIEW
(standards.iteh.ai)

Ventilation des bâtiments - Caissons de traitement d'air - Classification et performance, composants et sections

[SIST EN 13053:2001](#)

[https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-](https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-b1a6dbde9221/sist-en-13053-2001)

[b1a6dbde9221/sist-en-13053-2001](https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-b1a6dbde9221/sist-en-13053-2001)

Ta slovenski standard je istoveten z: EN 13053:2001

ICS:

91.140.30 Ú!^: !æ^çæ} ä| Á|ä æ\ ä Ventilation and air-conditioning
•ã c^ { ã

SIST EN 13053:2001

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 13053:2001

<https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-b1a6dbde9221/sist-en-13053-2001>

EUROPEAN STANDARD

EN 13053

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2001

ICS 23.120; 91.140.30

English version

Ventilation for buildings - Air handling units - Ratings and performance for units, components and sections

Ventilation des bâtiments - Caissons de traitement d'air -
Classification et performance des caissons, composants et
sections

Lüftung von Gebäuden - Zentrale raumluftechnische
Geräte - Leistungskenndaten für Geräte, Komponenten und
Baueinheiten

This European Standard was approved by CEN on 18 August 2001.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

SIST EN 13053:2001

<https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-b1a6dbde9221/sist-en-13053-2001>



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

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

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 13053:2001

<https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-b1a6dbde9221/sist-en-13053-2001>

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 13053:2001](https://standards.iteh.ai/catalog/standards/sist/2c21f6cc-e077-45db-b891-b1a6dbde9221/sist-en-13053-2001)

<https://standards.iteh.ai/catalog/standards/sist/2c21f6cc-e077-45db-b891-b1a6dbde9221/sist-en-13053-2001>

Ratings and
performance
components and
sections

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 13053:2001

<https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-b1a6dbde9221/sist-en-13053-2001>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 13053:2001

<https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-b1a6dbde9221/sist-en-13053-2001>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 13053:2001

<https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-b1a6dbde9221/sist-en-13053-2001>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 13053:2001

<https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-b1a6dbde9221/sist-en-13053-2001>

A_c	Cross sectional area of a duct	m^2
c	sound velocity in the air	$m \cdot s^{-1}$
d	effective duct diameter	m
k	number of measurements within the total measuring time	-
k_b	thermal bridging factor of the casing	-
L_W	sound power level	dB
L_{WA}	weighted sound power level	dB(A)
n_F	rotational speed of the fan	s^{-1}
p_a	atmospheric pressure	Pa
p_d	dynamic pressure	Pa
p_s	static gauge pressure	Pa
p_f	fan pressure	Pa
p_t	external total pressure difference	Pa
p_{tU}	external total pressure difference of the unit	Pa
p_v	partial pressure of water vapour	Pa
Q_{defr}	total energy input for defrosting during one complete frosting/defrosting cycle	J
q_{mn}	nominal air mass flow rate of the recovery device	$kg \cdot s^{-1}$
q_v	air volume flow rate	$m^3 \cdot s^{-1}$
q_{vm}	measured and converted air volume flow rate	$m^3 \cdot s^{-1}$
q_{vs}	specified air volume flow rate	$m^3 \cdot s^{-1}$
t_a	dry-bulb temperature	$^{\circ}C$
$t_{m,i}$	local temperature at measurement point	$^{\circ}C$
t_i	mean internal air temperature	$^{\circ}C$
t	tolerance range	%
u	uncertainty range of measured data	%
u	local grade of uniformity	%
U	thermal transmittance of the casing	$W \cdot m^{-2} \cdot K^{-1}$
v	velocity of air at a point	$m \cdot s^{-1}$

ITEH STANDARD PREVIEW
<https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-b1a6dbde9221/sist-en-13053-2001>
(standards.iteh.ai)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 13053:2001

<https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-b1a6dbde9221/sist-en-13053-2001>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 13053:2001

<https://standards.iteh.ai/catalog/standards/sist/2c2f76cc-e079-45db-b891-b1a6dbde9221/sist-en-13053-2001>