

IEC SYSTEM FOR MUTUAL RECOGNITION OF
TEST CERTIFICATES FOR ELECTRICAL
EQUIPMENT (IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product
Produit

Fans

Name and address of the applicant
Nom et adresse du demandeur

Ventilation Systems JSC
1, Mikhaila Kotzubinskogo St.,
Kiev UA-01030, Ukraine

Name and address of the manufacturer
Nom et adresse du fabricant

Ventilation Systems JSC
1, Mikhaila Kotzubinskogo St.,
Kiev UA-01030, Ukraine

Name and address of the factory
Nom et adresse de l'usine

Ventilation Systems JSC
36, 40-Richchya Str.,
Boyarka 08150, Kiev Region, Ukraine

Note: When more than one factory, please report on page 2
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2^{ème} page

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

220-240V~ 50Hz;
Class II; 0-45°C; IP24

Trademark (if any)
Marque de fabrique (si elle existe)

VENTS

Modell / Type Ref.
Ref. de type

VENTS xxx yyy zzz Q turbo
(see details of type references on pages 2 and 3 of this
Certificate)

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,
peuvent être indiqués sur la 2^{ème} page

The product was also tested and found to be in
conformity with EN 60335-2-80:2003 + A1 + A2,
EN 60335-1:2002 + A11 + A1 + A2 + A12 + A13
EN 50366:2003 + A1

A sample of the product was tested and found to be in
conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

PUBLICATION **EDITION**
IEC 60335-2-80:2002 (ed. 2) + A1 + A2
IEC 60335-1:2001 (ed. 4) + A1 + A2
EU Group Differences

As shown in the Test Report Ref. No. which forms
part of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

28206761 005

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

Type references:

VENTS xxx yyy zzz Q turbo

- where:

xxx: „100”, „125” or „150” (diameter of the duct [mm])
yyy: (indication of the series); "LD" (smooth observe panel), "LDA" (observe panel covered by aluminium leaf), "LD Decor" (decorative observe panel), "LD Fresh Time" (observe panel with clockwork) or "Cosmo" (observe panel fixed by rivets)
zzz: "T" (with timer), "H" (with humidity sensor), "V" (with switch), "TH", "VT", "VTH", or blank
Q: quiet operation motor (can be blank)
turbo: motor with increased power (can be blank)

Type variants:

Type reference	Rated power	Type reference	Rated power	Type reference	Rated power
VENTS 100 LD	15 W	VENTS 100 LDVT turbo	16 W	VENTS 100 LDATH Q	10 W
VENTS 100 LDT	15 W	VENTS 100 LDVTH turbo	16 W	VENTS 100 LDAV Q	10 W
VENTS 100 LDTH	15 W	VENTS 100 LDA turbo	16 W	VENTS 100 LDAVT Q	10 W
VENTS 100 LDV	15 W	VENTS 100 LDAT turbo	16 W	VENTS 100 LDAVTH Q	10 W
VENTS 100 LDVT	15 W	VENTS 100 LDATH turbo	16 W	VENTS 125 LD	16 W
VENTS 100 LDVTH	15 W	VENTS 100 LDAV turbo	16 W	VENTS 125 LDT	16 W
VENTS 100 LDA	15 W	VENTS 100 LDAVT turbo	16 W	VENTS 125 LDTH	16 W
VENTS 100 LDAT	15 W	VENTS 100 LDAVTH turbo	16 W	VENTS 125 LDV	16 W
VENTS 100 LDATH	15 W	VENTS 100 LD Q	10 W	VENTS 125 LDVT	16 W
VENTS 100 LDAV	15 W	VENTS 100 LDT Q	10 W	VENTS 125 LDVTH	16 W
VENTS 100 LDAVT	15 W	VENTS 100 LDTH Q	10 W	VENTS 125 LDA	16 W
VENTS 100 LDAVTH	15 W	VENTS 100 LDV Q	10 W	VENTS 125 LDAT	16 W
VENTS 100 LD turbo	16 W	VENTS 100 LDVT Q	10 W	VENTS 125 LDATH	16 W
VENTS 100 LDT turbo	16 W	VENTS 100 LDVTH Q	10 W	VENTS 125 LDAV	16 W
VENTS 100 LDTH turbo	16 W	VENTS 100 LDA Q	10 W	VENTS 125 LDAVT	16 W
VENTS 100 LDV turbo	16 W	VENTS 100 LDAT Q	10 W	VENTS 125 LDAVTH	16 W
VENTS 125 LD turbo	18 W	VENTS 125 LDATH turbo	18 W	VENTS 150 LDVT	25 W
VENTS 125 LDT turbo	18 W	VENTS 125 LDAV turbo	18 W	VENTS 150 LDVTH	25 W
VENTS 125 LDTH turbo	18 W	VENTS 125 LDAVT turbo	18 W	VENTS 150 LDA	25 W
VENTS 125 LDV turbo	18 W	VENTS 125 LDAVTH turbo	18 W	VENTS 150 LDAT	25 W
VENTS 125 LDVT turbo	18 W	VENTS 150 LD	25 W	VENTS 150 LDATH	25 W
VENTS 125 LDVTH turbo	18 W	VENTS 150 LDT	25 W	VENTS 150 LDAV	25 W
VENTS 125 LDA turbo	18 W	VENTS 150 LDTH	25 W	VENTS 150 LDAVT	25 W
VENTS 125 LDAT turbo	18 W	VENTS 150 LDV	25 W	VENTS 150 LDAVTH	25 W

(list of type variants continued on page 3)

Additional information (if necessary)
Information complémentaire (si nécessaire)



Hungarian Institute for Testing and Certification of
 Electrical Equipment Ltd. (MEEI Kft.)
 H-1132 Budapest, Váci út 48/A-B
 www.meei.hu



Date: 2010-03-18

Signature:

Type variants (continued):

Type reference	Rated power	Type reference	Rated power	Type reference	Rated power
VENTS 100 LD Decor	15 W	VENTS 100 LD Decor Q	10 W	VENTS 125 LD Decor turbo	18 W
VENTS 100 LD Decor T	15 W	VENTS 100 LD Decor T Q	10 W	VENTS 125 LD Decor T turbo	18 W
VENTS 100 LD Decor TH	15 W	VENTS 100 LD Decor TH Q	10 W	VENTS 125 LD Decor TH turbo	18 W
VENTS 100 LD Decor V	15 W	VENTS 100 LD Decor V Q	10 W	VENTS 125 LD Decor V turbo	18 W
VENTS 100 LD Decor VT	15 W	VENTS 100 LD Decor VT Q	10 W	VENTS 125 LD Decor VT turbo	18 W
VENTS 100 LD Decor VTH	15 W	VENTS 100 LD Decor VTH Q	10 W	VENTS 125 LD Decor VTH turbo	18 W
VENTS 100 LD Decor turbo	16 W	VENTS 125 LD Decor	16 W	VENTS 150 LD Decor	25 W
VENTS 100 LD Decor T turbo	16 W	VENTS 125 LD Decor T	16 W	VENTS 150 LD Decor T	25 W
VENTS 100 LD Decor TH turbo	16 W	VENTS 125 LD Decor TH	16 W	VENTS 150 LD Decor TH	25 W
VENTS 100 LD Decor V turbo	16 W	VENTS 125 LD Decor V	16 W	VENTS 150 LD Decor V	25 W
VENTS 100 LD Decor VT turbo	16 W	VENTS 125 LD Decor VT	16 W	VENTS 150 LD Decor VT	25 W
VENTS 100 LD Decor VTH turbo	16 W	VENTS 125 LD Decor VTH	16 W	VENTS 150 LD Decor VTH	25 W
VENTS 100 LD Fresh Time	15 W	VENTS 100 LD Fresh Time Q	10 W	VENTS 125 LD Fresh Time turbo	18 W
VENTS 100 LD Fresh Time T	15 W	VENTS 100 LD Fresh Time T Q	10 W	VENTS 125 LD Fresh Time T turbo	18 W
VENTS 100 LD Fresh Time TH	15 W	VENTS 100 LD Fresh Time TH Q	10 W	VENTS 125 LD Fresh Time TH turbo	18 W
VENTS 100 LD Fresh Time V	15 W	VENTS 100 LD Fresh Time V Q	10 W	VENTS 125 LD Fresh Time V turbo	18 W
VENTS 100 LD Fresh Time VT	15 W	VENTS 100 LD Fresh Time VT Q	10 W	VENTS 125 LD Fresh Time VT turbo	18 W
VENTS 100 LD Fresh Time VTH	15 W	VENTS 100 LD Fresh Time VTH Q	10 W	VENTS 125 LD Fresh Time VTH turbo	18 W
VENTS 100 LD Fresh Time turbo	16 W	VENTS 125 LD Fresh Time	16 W	VENTS 150 LD Fresh Time	25 W
VENTS 100 LD Fresh Time T turbo	16 W	VENTS 125 LD Fresh Time T	16 W	VENTS 150 LD Fresh Time T	25 W
VENTS 100 LD Fresh Time TH turbo	16 W	VENTS 125 LD Fresh Time TH	16 W	VENTS 150 LD Fresh Time TH	25 W
VENTS 100 LD Fresh Time V turbo	16 W	VENTS 125 LD Fresh Time V	16 W	VENTS 150 LD Fresh Time V	25 W
VENTS 100 LD Fresh Time VT turbo	16 W	VENTS 125 LD Fresh Time VT	16 W	VENTS 150 LD Fresh Time VT	25 W
VENTS 100 LD Fresh Time VTH turbo	16 W	VENTS 125 LD Fresh Time VTH	16 W	VENTS 150 LD Fresh Time VTH	25 W
VENTS 100 Cosmo	15 W	VENTS 100 Cosmo Q	10 W	VENTS 125 Cosmo turbo	18 W
VENTS 100 Cosmo T	15 W	VENTS 100 Cosmo T Q	10 W	VENTS 125 Cosmo T turbo	18 W
VENTS 100 Cosmo TH	15 W	VENTS 100 Cosmo TH Q	10 W	VENTS 125 Cosmo TH turbo	18 W
VENTS 100 Cosmo V	15 W	VENTS 100 Cosmo V Q	10 W	VENTS 125 Cosmo V turbo	18 W
VENTS 100 Cosmo VT	15 W	VENTS 100 Cosmo VT Q	10 W	VENTS 125 Cosmo VT turbo	18 W
VENTS 100 Cosmo VTH	15 W	VENTS 100 Cosmo VTH Q	10 W	VENTS 125 Cosmo VTH turbo	18 W
VENTS 100 Cosmo turbo	16 W	VENTS 125 Cosmo	16 W	VENTS 150 Cosmo	25 W
VENTS 100 Cosmo T turbo	16 W	VENTS 125 Cosmo T	16 W	VENTS 150 Cosmo T	25 W
VENTS 100 Cosmo TH turbo	16 W	VENTS 125 Cosmo TH	16 W	VENTS 150 Cosmo TH	25 W
VENTS 100 Cosmo V turbo	16 W	VENTS 125 Cosmo V	16 W	VENTS 150 Cosmo V	25 W
VENTS 100 Cosmo VT turbo	16 W	VENTS 125 Cosmo VT	16 W	VENTS 150 Cosmo VT	25 W
VENTS 100 Cosmo VTH turbo	16 W	VENTS 125 Cosmo VTH	16 W	VENTS 150 Cosmo VTH	25 W

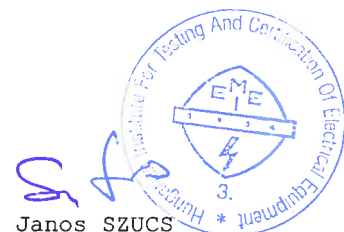
Additional information (if necessary)
Information complémentaire (si nécessaire)



Date: 2010-03-18

Hungarian Institute for Testing and Certification of
 Electrical Equipment Ltd. (MEEI Kft.)
 H-1132 Budapest, Váci út 48/A-B
 www.meei.hu



Signature:





**TEST REPORT
IEC 60335-2-80**

**Safety of household and similar electrical appliances
Part 2 : Particular requirements for fans**

Report Reference No.: 28206761 005
Compiled by (+ signature).....: Tibor Pesze 
Approved by (+ signature).....: Zoltán Zsákai 
Date of issue: 10.03.2010.
Number of pages: 10 pages of test report
CB Testing Laboratory: Hungarian Institute for Testing and Certification of Electrical Equipment Ltd. (MEEI Kft.) Member of the TÜV Rheinland group
Address.....: H-1132 Budapest, Váci út 48. a-b. Hungary
Testing location/procedure: CBTL [X] SMT [] TMP []
Address.....: As above

Applicant's name: Ventilation Systems JSC
Address.....: 1, Mikhaïla Kotzubinskïego St., Kiev, UA-01030, Ukraine

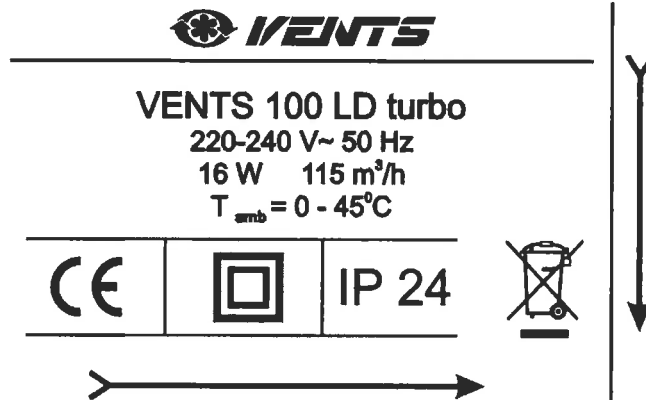
Test specification:
Standard.....: IEC 60335-2-80:2002 (Second Edition) incl. A1:2004 in conjunction with IEC 60335-1:2001 (Fourth Edition), incl. A1:2004 EN 60335-2-80:2003, incl. A1:2004 in conjunction with EN 60335-1:2002, incl. A11:2004 and A1:2004 EN 50366:2003 + A1:2006 added by MEEI in attachment: IEC 60335-1:2001 /A2:2006 and EN 60335-1:2002 /A2:2006 /A12:2006/A13:2008 EN 60335-2-80:2003/A2:2009
Test procedure.....: CB Scheme
Non-standard test method.....: N/A

Test Report Form No.: IEC60335_2_80B_mod
TRF Originator: KEMA (modified by Hungarian Institute for Testing and Certification of Electrical Equipment Kft. (MEEI Kft.) Member of the TÜV Rheinland group)
Master TRF: Dated 2005-06

Copyright © 2004 IEC System for Conformity Testing and Certification of Electrical Equipment (IECEE), Geneva, Switzerland. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test item description.....: Fans
Trade Mark: VENTS
Model/Type reference: VENTS xxx yyy zzz Q turbo (see more on the pages 3-7)
Ratings.....: 220-240 V~, 50 Hz; Class II; 0-45°C; IP 24; for details see 'model list' on pages 3 - 7

Copy of marking plate and summary of test results (information/comments):


Design of rating label of other models is identical to the above except for type designation, rated power and flow rate.

Summary of testing:

The samples of type VENTS LD/LDA/LD Decor/LD Fresh Time/Cosmo are identical in respect of construction and materials used to the samples of types VENTS X, VENTS X1, tested under Test Report ref. No. 28206761 001. The type LD/LDA/LD Decor/LD Fresh Time/Cosmo differs from type X; X1 in form of the decorative panel of enclosure (design), and the way of fastening. This difference does not affect the operation and safety of the appliances.

During the documentation check the English User's Manual was evaluated.

Factory location: 36, 40-Richchya Zhovtnya Str. Boyarka 08150, Kiev Region, Ukraine.

This Test Report is only valid together Test Report ref. No. 28206761 001.

The Test Report ref. No. 28206761 001 consists of two parts:

- first part contains requirements of IEC 60335-2-80:2002 incl. A1:2004 in conjunction with IEC 60335-1:2001, incl. A1:2004; EN 60335-2-80:2003, incl. A1:2004 in conjunction with EN 60335-1:2002, incl. A11:2004 and A1:2004 and EN 50366:2003 + A1:2006
- second part (1. attachment) contains requirements of IEC 60335-1:2001 /A2: 2006, EN 60335-1:2002 /A2: 2006, EN 60335-1:2002 /A12: 2006

The attachment of this Test Report contains the requirements of EN 60335-1:2002/A13:2008, EN 60335-2-80:2003/A2:2009 and photos.

Model list, technical data:

Fan type	Rated voltage	Rated power	IP protection	Class	Motor type	
VENTS 100 LD	220-240V, 50Hz	15 W	24	II	BL 58-12 A01	with 150 °C thermally protector
VENTS 100 LDT		15 W				
VENTS 100 LDTH		15 W				
VENTS 100 LDV		15 W				
VENTS 100 LDVT		15 W				
VENTS 100 LDVTH		15 W				
VENTS 100 LDA		15 W				
VENTS 100 LDAT		15 W				
VENTS 100 LDATH		15 W				
VENTS 100 LDAV		15 W				
VENTS 100 LDAVT		15 W				
VENTS 100 LDAVTH		15 W				
VENTS 100 LD turbo		16 W				
VENTS 100 LDT turbo		16 W				
VENTS 100 LDTH turbo		16 W				
VENTS 100 LDV turbo		16 W				
VENTS 100 LDVT turbo		16 W				
VENTS 100 LDVTH turbo		16 W				
VENTS 100 LDA turbo		16 W				
VENTS 100 LDAT turbo		16 W				
VENTS 100 LDATH turbo		16 W				
VENTS 100 LDAV turbo		16 W				
VENTS 100 LDAVT turbo		16 W				
VENTS 100 LDAVTH turbo		16 W				
VENTS 100 LD Q		10 W				
VENTS 100 LDT Q		10 W				
VENTS 100 LDTH Q		10 W				
VENTS 100 LDV Q		10 W				
VENTS 100 LDVT Q		10 W				
VENTS 100 LDVTH Q		10 W				
VENTS 100 LDA Q	10 W					
VENTS 100 LDAT Q	10 W					
VENTS 100 LDATH Q	10 W					
VENTS 100 LDAV Q	10 W					
VENTS 100 LDAVT Q	10 W					
VENTS 100 LDAVTH Q	10 W					
VENTS 125 LD	16 W					
VENTS 125 LDT	16 W					
VENTS 125 LDTH	16 W					
VENTS 125 LDV	16 W					
VENTS 125 LDVT	16 W					
VENTS 125 LDVTH	16 W					
VENTS 125 LDA	16 W					
VENTS 125 LDAT	16 W					
VENTS 125 LDATH	16 W					
VENTS 125 LDAV	16 W					
VENTS 125 LDAVT	16 W					
VENTS 125 LDAVTH	16 W					

Model list, technical data:

Fan type	Rated voltage	Rated power	IP protection	Class	Motor type	
VENTS 125 LD turbo	220-240V, 50Hz	18 W	24	II	BL 58-30 A01	with 150 °C thermally protector
VENTS 125 LDT turbo		18 W				
VENTS 125 LDTH turbo		18 W				
VENTS 125 LDV turbo		18 W				
VENTS 125 LDVT turbo		18 W				
VENTS 125 LDVTH turbo		18 W				
VENTS 125 LDA turbo		18 W				
VENTS 125 LDAT turbo		18 W				
VENTS 125 LDATH turbo		18 W				
VENTS 125 LDAV turbo		18 W				
VENTS 125 LDAVT turbo		18 W				
VENTS 125 LDAVTH turbo		18 W				
VENTS 150 LD		25 W				
VENTS 150 LDT		25 W				
VENTS 150 LDTH		25 W				
VENTS 150 LDV		25 W				
VENTS 150 LDVT		25 W				
VENTS 150 LDVTH		25 W				
VENTS 150 LDA		25 W				
VENTS 150 LDAT		25 W				
VENTS 150 LDATH		25 W				
VENTS 150 LDAV		25 W				
VENTS 150 LDAVT		25 W				
VENTS 150 LDAVTH		25 W				
					BL 58-30 A01	

Model list, technical data:

Fan type	Rated voltage	Rated power	IP protection	Class	Motor type	
VENTS 100 LD Decor	220-240V, 50Hz	15 W	24	II	BL 58-12 A01	with 150 °C thermally protector
VENTS 100 LD Decor T		15 W				
VENTS 100 LD Decor TH		15 W				
VENTS 100 LD Decor V		15 W				
VENTS 100 LD Decor VT		15 W				
VENTS 100 LD Decor VTH		15 W				
VENTS 100 LD Decor turbo		16 W			BL 58-16 A01	
VENTS 100 LD Decor T turbo		16 W				
VENTS 100 LD Decor TH turbo		16 W				
VENTS 100 LD Decor V turbo		16 W				
VENTS 100 LD Decor VT turbo		16 W				
VENTS 100 LD Decor VTH turbo		16 W				
VENTS 100 LD Decor Q		10 W			BL 58-12 A03	
VENTS 100 LD Decor T Q		10 W				
VENTS 100 LD Decor TH Q		10 W				
VENTS 100 LD Decor V Q		10 W				
VENTS 100 LD Decor VT Q		10 W				
VENTS 100 LD Decor VTH Q		10 W				
VENTS 125 LD Decor		16 W			BL 58-16 A01	
VENTS 125 LD Decor T		16 W				
VENTS 125 LD Decor TH		16 W				
VENTS 125 LD Decor V		16 W				
VENTS 125 LD Decor VT		16 W				
VENTS 125 LD Decor VTH		16 W				
VENTS 125 LD Decor turbo		18 W			BL 58-30 A01	
VENTS 125 LD Decor T turbo		18 W				
VENTS 125 LD Decor TH turbo		18 W				
VENTS 125 LD Decor V turbo		18 W				
VENTS 125 LD Decor VT turbo		18 W				
VENTS 125 LD Decor VTH turbo		18 W				
VENTS 150 LD Decor	25 W	BL 58-30 A01				
VENTS 150 LD Decor T	25 W					
VENTS 150 LD Decor TH	25 W					
VENTS 150 LD Decor V	25 W					
VENTS 150 LD Decor VT	25 W					
VENTS 150 LD Decor VTH	25 W					

Model list, technical data:

Fan type	Rated voltage	Rated power	IP protection	Class	Motor type	
VENTS 100 LD Fresh Time	220-240V, 50Hz	15 W	24	II	BL 58-12 A01	with 150 °C thermally protector
VENTS 100 LD Fresh Time T		15 W				
VENTS 100 LD Fresh Time TH		15 W				
VENTS 100 LD Fresh Time V		15 W				
VENTS 100 LD Fresh Time VT		15 W				
VENTS 100 LD Fresh Time VTH		15 W				
VENTS 100 LD Fresh Time turbo		16 W			BL 58-16 A01	
VENTS 100 LD Fresh Time T turbo		16 W				
VENTS 100 LD Fresh Time TH turbo		16 W				
VENTS 100 LD Fresh Time V turbo		16 W				
VENTS 100 LD Fresh Time VT turbo		16 W				
VENTS 100 LD Fresh Time VTH turbo		16 W				
VENTS 100 LD Fresh Time Q		10 W			BL 58-12 A03	
VENTS 100 LD Fresh Time T Q		10 W				
VENTS 100 LD Fresh Time TH Q		10 W				
VENTS 100 LD Fresh Time V Q		10 W				
VENTS 100 LD Fresh Time VT Q		10 W				
VENTS 100 LD Fresh Time VTH Q		10 W				
VENTS 125 LD Fresh Time		16 W			BL 58-16 A01	
VENTS 125 LD Fresh Time T		16 W				
VENTS 125 LD Fresh Time TH		16 W				
VENTS 125 LD Fresh Time V		16 W				
VENTS 125 LD Fresh Time VT		16 W				
VENTS 125 LD Fresh Time VTH		16 W				
VENTS 125 LD Fresh Time turbo		18 W			BL 58-30 A01	
VENTS 125 LD Fresh Time T turbo		18 W				
VENTS 125 LD Fresh Time TH turbo		18 W				
VENTS 125 LD Fresh Time V turbo		18 W				
VENTS 125 LD Fresh Time VT turbo		18 W				
VENTS 125 LD Fresh Time VTH turbo		18 W				
VENTS 150 LD Fresh Time	25 W	BL 58-30 A01				
VENTS 150 LD Fresh Time T	25 W					
VENTS 150 LD Fresh Time TH	25 W					
VENTS 150 LD Fresh Time V	25 W					
VENTS 150 LD Fresh Time VT	25 W					
VENTS 150 LD Fresh Time VTH	25 W					

Model list, technical data:

Fan type	Rated voltage	Rated power	IP protection	Class	Motor type	
VENTS 100 Cosmo	220-240V, 50Hz	15 W	24	II	BL 58-12 A01	with 150 °C thermally protector
VENTS 100 Cosmo T		15 W				
VENTS 100 Cosmo TH		15 W				
VENTS 100 Cosmo V		15 W				
VENTS 100 Cosmo VT		15 W				
VENTS 100 Cosmo VTH		15 W				
VENTS 100 Cosmo turbo		16 W			BL 58-16 A01	
VENTS 100 Cosmo T turbo		16 W				
VENTS 100 Cosmo TH turbo		16 W				
VENTS 100 Cosmo V turbo		16 W				
VENTS 100 Cosmo VT turbo		16 W				
VENTS 100 Cosmo VTH turbo		16 W				
VENTS 100 Cosmo Q		10 W			BL 58-12 A03	
VENTS 100 Cosmo T Q		10 W				
VENTS 100 Cosmo TH Q		10 W				
VENTS 100 Cosmo V Q		10 W				
VENTS 100 Cosmo VT Q		10 W				
VENTS 100 Cosmo VTH Q		10 W				
VENTS 125 Cosmo		16 W			BL 58-16 A01	
VENTS 125 Cosmo T		16 W				
VENTS 125 Cosmo TH		16 W				
VENTS 125 Cosmo V		16 W				
VENTS 125 Cosmo VT		16 W				
VENTS 125 Cosmo VTH		16 W				
VENTS 125 Cosmo turbo		18 W			BL 58-30 A01	
VENTS 125 Cosmo T turbo		18 W				
VENTS 125 Cosmo TH turbo		18 W				
VENTS 125 Cosmo V turbo		18 W				
VENTS 125 Cosmo VT turbo		18 W				
VENTS 125 Cosmo VTH turbo		18 W				
VENTS 150 Cosmo	25 W	BL 58-30 A01				
VENTS 150 Cosmo T	25 W					
VENTS 150 Cosmo TH	25 W					
VENTS 150 Cosmo V	25 W					
VENTS 150 Cosmo VT	25 W					
VENTS 150 Cosmo VTH	25 W					

Models differ in model name, rated power, type of the motor, motor optional switch, timer, humidity relay, PCB.

Manufacturer: Ventilation Systems JSC 1, Mikhaila Kotzubinskogo St., Kiev, UA-01030, Ukraine

Test item particulars	-
Classification of installation and use	Class II
Supply Connection	Permanent connection, supply cord is not provided
Possible test case verdicts:	
- test case does not apply to the test object	N/A
- test object does meet the requirement	P(Pass)
- test object does not meet the requirement	F(Fail)
Testing	
Date of receipt of test item	-
Date (s) of performance of tests	03-03-2010 – 12-03-2010
General remarks:	
<p>This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECCE 02.</p> <p>The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.</p> <p>"(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report.</p> <p>Throughout this report a point is used as the decimal separator.</p>	
General Product Information:	
<p>Meaning of characters in the type references:</p> <p>VENTS xxx yyy zzz Q turbo</p> <ul style="list-style-type: none"> - "VENTS": trade mark - "xxx": "100"; "125"; "150" (diameter of the duct) [mm] - "yyy": indication of the series. It can be: "LD", "LDA", "LD Decor", "LD Fresh Time", "Cosmo". ([LD: smooth obverse panel; LDA: obverse panel covered by aluminum leaf; Decor: variants of decorative performance are designated by figures from 0 up to 9; Fresh Time: presence of clockwork; Cosmo: obverse panel fixed by rivets]) - "zzz": "T"; "TH"; "V"; "VT"; "VTH"; (can be: blank) <ul style="list-style-type: none"> "V": with switch "T": with timer "H": with humidity sensor - "Q": quiet operation motor (can be blank) - "turbo": motor with increased power (can be blank) <p>Possible variants can be seen in table of model list, on pages 3 - 7.</p>	

EN 60335-1; EN 60335-2-80						
24.1	TABLE: Components					P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity	
Motor for fans: 100 LD, 100 LDA, 100 LD Decor, 100 LD Fresh Time, 100 Cosmo	Hunan Keli Motor Ltd.	BL 58-12A01	220-240V~ 50Hz	-	Tested in the appliance	
Motor for fans: 100 LD Q, 100 LDA Q, 100 LD Décor Q, 100 LD Fresh Time Q, 100 Cosmo Q	Hunan Keli Motor Ltd.	BL 58-12A03	220-240V~ 50Hz	-	Tested in the appliance	
Motor for fans: 100 LD turbo, 100 LDA turbo, 100 LD Decor turbo, 100 LD Fresh Time turbo, 100 Cosmo turbo; 125 LD, 125 LDA, 125 LD Decor, 125 LD Fresh Time, 125 Cosmo	Hunan Keli Motor Ltd.	BL 58-16A01	220-240V~ 50Hz	-	Tested in the appliance	
Motor for fans: 125 LD turbo, 125 LDA turbo, 125 LD Decor turbo, 125 LD Fresh Time turbo, 125 Cosmo turbo; 150 LD, 125 LDA, 150 LD Decor, 150 LD Fresh Time, 150 Cosmo	Hunan Keli Motor Ltd.	BL 58-30A01	220-240V~ 50Hz	-	Tested in the appliance	
Motor protector	Aupo Electronics Ltd.	P7	AC 250V, 150°C	EN 60691	VDE	

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity
Terminal	SIMET S.A.	Nº 210, LTA12-2,5	2,5mm ² , 380V	IEC 60998	BBJ
Terminal alt.	Heavy Power Co. Ltd.	PA8	1,5mm ² , 450V	DIN EN 60998	VDE
Switch	VLM S.p.A.	200, 200/328	AC 250V, 2A, T125	EN 60335-1; EN 60335-2-80	IMQ
Plastic	Cheil Industries Ltd.	ABS SD-0150	-	EN 60335-1; EN 60335-2-80	Tested in the appliance

^{*)} An asterisk indicates a mark which assures the agreed level of surveillance

Attachment 1

EN 60335-1:2002/A13:2008			
Clause	Requirement – Test	Result – Remark	Verdict

24	Components		N/A
24.1.7.	Remote operation is via telecommunication network. (Telecommunication interface circuitry: EN 41003 and EN 60950-1:2006, subclause 6.3)		N/A

EN 60335-2-80:2003/A2:2009			
Clause	Requirement – Test	Result – Remark	Verdict

21	Mechanical strength		N/A
21.101.	The test probe is applied with a force not exceeding 5 N.	Blades are guarded after the installation according the User's Manual by the duct (This requirement is evaluated in Test Report No. 28206761 001)	N/A

Photos

1. A modelling line 100/125/150 LD and LDA



In the obverse panel 4 (four) apertures are drilled



On 4 (four) screws the obverse panel fastens.
Obverse panels can be several kinds:
1. The smooth obverse panel (LD)
2. The obverse panel covered by an aluminium leaf (LDA)

Photos

2. A modelling line 100/125/150 LD Decor



In the obverse panel 4 (four) apertures are drilled



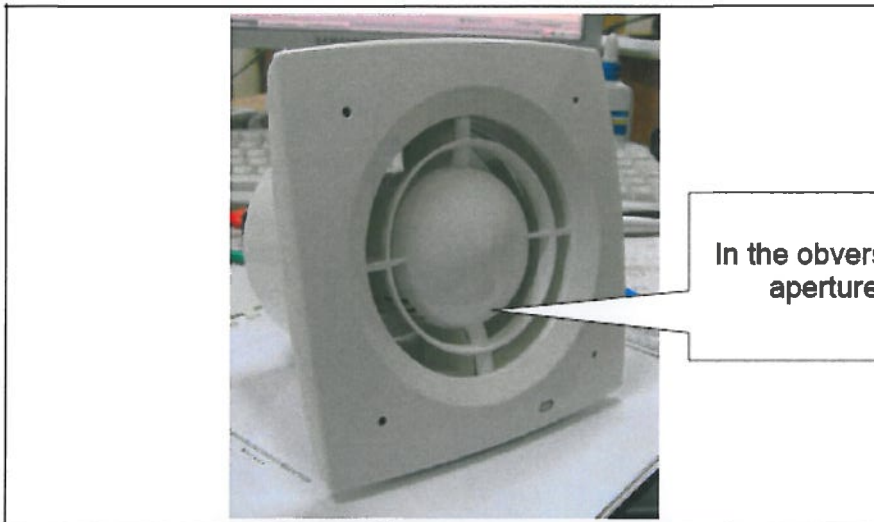
Appearance of the decorative panel



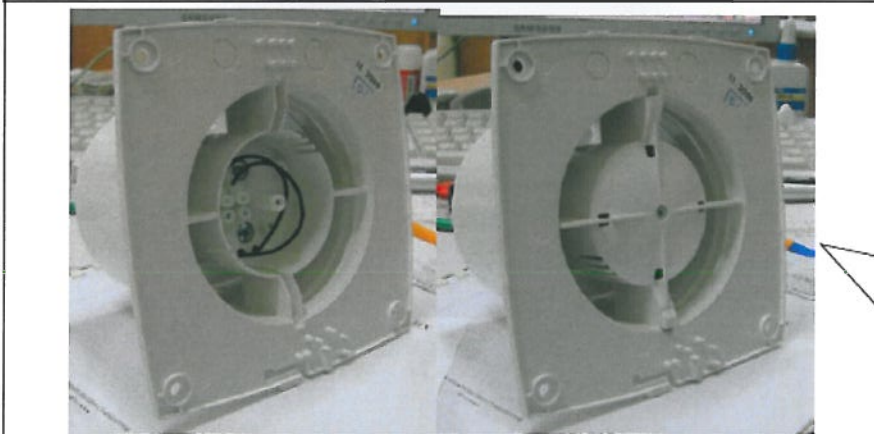
On 4 (four) screws the obverse panel fastens.
Variants of decorative performance are designated by figures from 0 up to 9

Photos

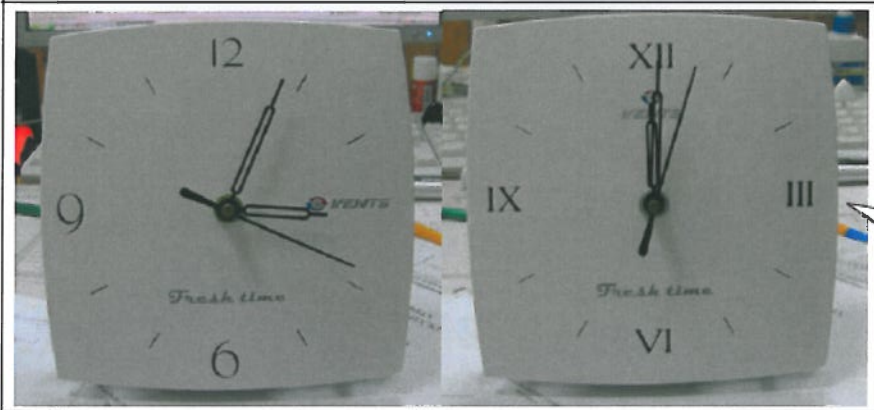
3. A modelling line 100/125/150 LD Fresh Time



In the obverse panel 4 (four) apertures are drilled



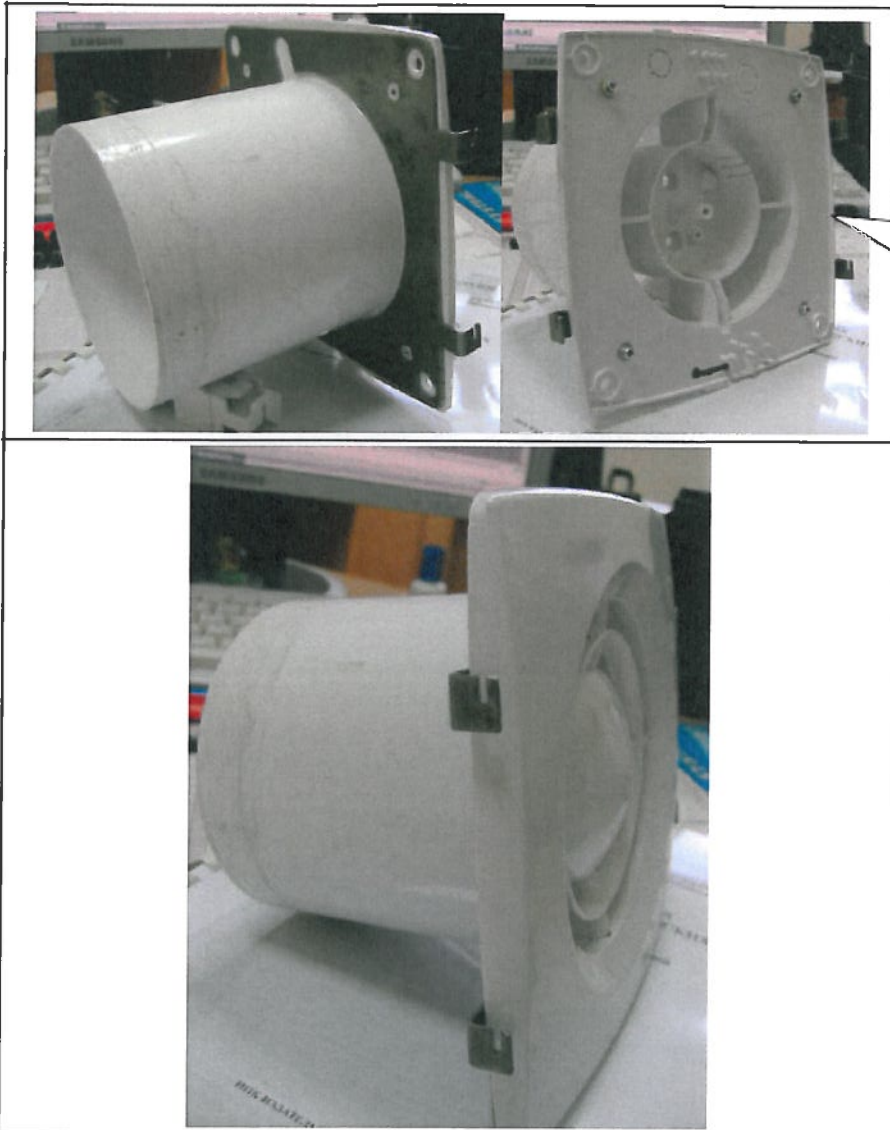
We remove the central part from an obverse lattice of fan X1 and we put the central part from model of fan D



Appearance of the decorative panel:
2 (two) performances

Photos

4. A modelling line 100/125/150 Cosmo



We put a plate with holders of the obverse panel on 4 (four) rivets

Attachment 1

Photos

