



CERTIFIKAT

0402 - CPD - 46 39 01

EC-Certificate of Conformity

In compliance with the Directive 89/106/EEC of the Council of European communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive – CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, and implemented in Swedish law by BVL, it has been stated that the construction product

Brandventilator, type GGL/GGU ---40

**Natural smoke and heat exhaust ventilator for use in Construction Works
as specified in appendix to this certificate**

placed on the market by

Velux A/S

Ådalsvej 99

DK-2970 HØRSOLM

Denmark

and produced at the factories located in

Østbirk and Thyregod, Denmark

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body

SP Technical Research Institute of Sweden

has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard **EN 12101-2:2003** were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 22nd March 2007 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory production and the FPC itself are not modified significantly or at the latest until 22nd March 2012.

Borås 22nd March 2007

**SP Technical Research Institute of Sweden
Certification**

Lennart Månsson
Certification Manager

Lennart Aronsson
Certification Officer

Certificate issued by Notified Body No. 0402

SP Technical Research Institute of Sweden

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SWEDEN			

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Appendix to
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Dated 22nd March 2007

Brandventilator, type GGL/GGU ---40
Natural smoke and heat exhaust ventilator for use in Construction Works

Description and Designations

Frame of wood GGL
Frame of polyurethane GGU
Glazing 2 x 4 mm, cavity 16 mm

Motor KFM
Wind deflector KFD

Size specifications

Size (GGL and GGU)			Aerodynamic free area A_a <small>(determined according to annex B of EN 12101-2:2003)</small>	
Size code	Height m	Width m	A_a With KFD m^2	A_a Without KFD
M04	0.98	0.78	0.37	npd
P04	0.98	0.94	0.45	
U04	0.98	1.34	0.56	
M06	1.18	0.78	0.48	
P06	1.18	0.94	0.58	
S06	1.18	1.14	0.65	
M08	1.40	0.78	0.60	
P08	1.40	0.94	0.68	
S08	1.40	1.14	0.82	
U08	1.40	1.34	0.86	

Classification

Resistance to Fire B 300
Reliability Re 50 (+ 10 000)
Snow load SL 1000
Temperature T(-15)
Wind load WL 3000
Reaction to fire classification: E

Signed by SP:

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