



# DET NORSKE VERITAS

## CERTIFICATE OF CONFORMITY

[2] **EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC**

[3] Certificate Number: **DNV 11 ATEX 07991X**

[4] Equipment or Protective System: **AIR HANDLING UNIT**

[5] Applicant – Manufacturer or Authorized representative: **Fläkt Woods Korea Ltd.**

[6] Address: **48-12, Gundong-ri, Jilksan-eup, Seobuk-gu, Cheonan-si, Chungcheongnam-do, Korea**

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] DNV, notified body number 0575 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential reports listed in section 14.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 13463-1:2009**

[10] If the sign “X” is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate. The product(s) have been subject to unit verification in accordance with the conformity assessment procedure specified in Annex IX of the Directive.

[11] This CERTIFICATE OF CONFORMITY relates only to the design and construction of the specified equipment or protected system. If applicable, further requirements of this Directive apply to the manufacturer and supply of this equipment or protective system.

[12] The marking of the equipment or protective system shall include the following:



**II 2 G IIB T3**

**II 2 G IIB T3 (Inside), II 2 G IIB T3 (Outside)**

Høvik, 2012-02-16  
for Det Norske Veritas AS

*Marianne Spæren*  
Marianne Spæren  
Certification Manager



Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.

The digitally signed and electronically distributed document is the original and valid certificate. Ref.: [www.dnv.com/digitalsignatures](http://www.dnv.com/digitalsignatures)

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300,000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.





[13]

### Schedule

[14] Certificate of conformity No.:

DNV 11 ATEX 07991X

#### Certificate History

Revision	Description	Report no.	Issue date
-	Original certificate	2011-9841	2012-02-16

[15]

#### Description of Equipment or Protective System

The explosion protected air handling unit EU-35 is intended for the transportation of supply and exhaust air to / from rooms, driven by suitable ATEX certified electric motor. The suitable ATEX certified fan is driven by an electric drive motor through in-line connection via a belt driven. The air handling unit is intended for the transportation of room air in form of potentially explosive gas / air mixture (Ex-inside) and it is suitable for installation and operation in areas at risk from potentially explosive atmospheres (Ex-outside).

#### Type Identification

AHU-01, EU-35

#### Electrical Data

400V3~ 50Hz

#### Serial No. Covered by this Certificate of Conformity

EU 11-596 (MR 09-072)

[16]

Project No.: PRJC-326854-2011-PRC-KOR

#### Descriptive Documents

Number	Title	Rev.	Date
G2003464	AHU Ass'y dwg (1/2)	D	2011-11-18
G2003464	AHU Ass'y dwg (2/2)	D	2011-11-18
G2004913	Name Plate	A	2011-12-21
J2105421	Corner Right	B	2001-08-31
J4126401	Frame Profile	G	1992-10-28
J3154112	Casing Pillar	B	1997-04-28
J4131700	Casing Fastener	C	2001-09-04
J4129597	Panel Sealing	B	1999-03-26
J4130721	Insp. Panel Sealing	C	1999-06-08
J4131936	Handle (without cylinder)	A	2002-04-30

[17]

#### Special Conditions for Safe Use

The temperature sensor and the rotational speed sensor of the fan shall be monitored and has to be connected as intrinsically safe equipment. If one of the sensors triggers the power to the motor shall be triggered. An automatic reset is not allowed. The maximum rotational speed of the fan is 3562 rpm

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#### Essential Health and Safety Requirements

See part 9 of this certificate

END OF CERTIFICATE

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300,000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.