

[1] EC-TYPE EXAMINATION CERTIFICATE

**[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC**

- [3] **EC-Type Examination Certificate Number:** Nemko 04ATEX1371
- [4] **Equipment or Protective System:** Loudspeaker
- [5] **Applicant/Manufacturer:** DNH A/S. Den Norske Høytalerfabrikk A/S
- [6] **Address:** 3770 KRAGERØ
NORWAY

- [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] **Nemko AS, notified body number 0470 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 report no. 22542

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

CENELEC EN 50014: 1997 + A1: 1999 + A2: 1999, CENELEC EN 50018: 2000, CENELEC 50019: 2000 and CENELEC EN 50281-1-1: 1998 + A1: 2002

- [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.**
- [11] **This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.**
- [12] **The marking of the equipment or protective system shall include the following:**

**II 2 GD****EEx de IIB + H2 T4 -50°C ≤ Ta ≤ 50°C****EEx de IIC T4 -50°C ≤ Ta ≤ 50°C**

Oslo, 2004-08-16


Rolf Hoel
Certification Department

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[13] Schedule**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 04ATEX1371****[15] Description of Equipment or Protective System**

Loudspeaker with or without transformer. T in the type designation indicates design with transformer.
The loudspeaker has sintered metal of bronze, type SIKA-B 200 or stainless steel, type SIKA-R 150.

Type DesignationDST-40EExeN(T) EEx de IIB + H₂ T4, (with SIKA-B 200)

DST-40EExeN(T) EEx de IIC T4 T4, (with SIKA-R 150)

Technical Data

40W, 150-20000Hz

Ingress Protection Code

IP67 according to EN 60529

[16] Descriptive Documents

Name/Title	Drawing No.	Rev.	Date	Sheets
DST-40EExeN/T	2059-A3	-	29.03.2004	1
Partlist DST-40EExeN/T	2059-A3	-	30.03.2004	1

Routine Test

A dielectric test with 1500VAC for 1 minute shall be carried out on each loudspeaker.

[17] Special Conditions for Safe Use

None.

[18] Essential Health and Safety Requirements

See item 9

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SUPPLEMENT 1 TO EC-TYPE EXAMINATION CERTIFICATE**[13] Schedule****[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 04ATEX1371****[15] Description of Equipment or Protective System**

This Certificate is extended to include alternative design:

The loudspeaker can have a horn attached according to descriptive document.

[16] Report No.: 129961**Descriptive Documents**

Name/Title	Drawing No.	Rev.	Date	Sheets
Horn: DH-25/ -30/ -40/ -50	2067	-	06.09.2004	1

Oslo, 2004-09-28


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SUPPLEMENT 4 TO EC-TYPE EXAMINATION CERTIFICATE**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 04ATEX1371****[15] Description of Equipment or Protective System**

This Supplement 4 is issued in order to confirm compliance with the equivalent standards:
IEC 79-0:1983 + A1:1987 + A2:1991, IEC 79-1:1990 + A1:1993 + A2:1998 and IEC 79-7:1990 + A1:1991 + A2:1993

[16] Report No. 131329.**[17] Special Conditions for Safe Use**
None**[18] Essential Health and Safety Requirements**
See item 9

Oslo, 2009-07-15

**Rolf Hoel**
Certification Manager, Ex-products

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