

**[1] EC-TYPE EXAMINATION CERTIFICATE**

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

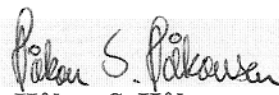
- [3] **EC-Type Examination Certificate Number:** Nemko 02ATEX063
- [4] **Equipment or Protective System:** Loudspeaker
- [5] **Applicant (manufacturer):** DNH A/S. Den Norske Høytalerfabrikk A/S
- [6] **Address:** 3770 KRAGERØ  
NORWAY
- [7] This equipment or protective system and any acceptable variation 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. 200122108
- [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 and CENELEC EN 50019:2000
- [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 G EEx de IIB + H<sub>2</sub> T6

Oslo, 2002-02-11



**Rolf Hoel**  
Section Manager



**Håkon S. Håkonsen**  
Project Engineer

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**[13] Schedule****[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 02ATEX063****[15] Description of Equipment or Protective System**

Loudspeaker of anodised aluminium with or without transformer. T in the type designation indicates design with transformer.

**Variants.**

1. Can be equipped with a monitoring card in the EEx d enclosure.
2. Can be equipped with branching of cable with connecting coupling.

**Type Designation**

CAREEX/CAPEEX – 6(T)

**Technical Data**

Max power/voltage: 15W/100V. Freq. range: 150-20000Hz.

**[16] Report No. 200122108**

Composed in total 46 pages and 2 pages of descriptive documents

**Descriptive Documents**

Name/Title	Drawing No.	Rev.	Date
CAREEX-6/T CAPEEX-6/T	1116	-	2002-02-05
EX-stykkliste	1117	-	2001-05-01

**Routine Test**

Release from routine overpressure test for the loudspeaker enclosure.

Routine test must be performed on every sinter element to ensure that the sinter elements withstand the pressure.

Every sinter element shall withstand a static pressure of 9,75bar, lasting between 10 s. and 60 s.

Also an electric strength 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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