

[1] EU-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 2014/34/EU

[3] EU-Type Examination Certificate Number: **Nemko10ATEX1054** Issue 5

[4] Product: **Loudspeaker**

[5] Manufacturer: **DNH AS**

[6] Address: **Grueveien 2-6
3770 Kragerø
Norway**

[7] This product 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 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential D0001490 – rev1 / 269189 report no.

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

EN 60079-0:2012+A11:2013, EN 60079-1:2007 and EN 60079-7:2007

[10] If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

[11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate

[12] The marking of the product shall include the following:



II 2G

Ex d e IIB+H2 T6 Gb

Oslo, 2017-06-02

Bjørn Spongsveen
Certification Manager, Ex-products

[13] Schedule

[14] **EU-TYPE EXAMINATION CERTIFICATE No** **Nemko10ATEX1054** **Issue 5**

[15] **Description of Product**

This certificate covers a loudspeaker. T in the designation indicates design with transformer.

Type Designations

Type: CAREEX/CAPEEX 6(T)

Variants: 1 – Can be equipped with a monitoring card in the Ex d enclosure.

2 – Can be equipped with branching of cable with connection coupling.

3 – MF in the designation indicates design with moulded e-chamber and permanent cable

Electrical Data

Voltage : 100V.

Power : 6W (T48P or T38P x 2 transformer)
15W (T48P transformer)

Freq. Range : 150 – 20000Hz

Ambient temperature:

-20°C to +40°C

[16] **Report No. D0001490 / 269189**

Descriptive Documents

| Name/Number | Rev. | Date | Title/Description | Sheets |
|-------------|------|------------|---|--------|
| 2175-A | 01 | 2016-04-07 | Careex-/ Capeex-6EExeN/T 5 Inch Loudspeaker* | 1 |
| 2175-B | 01 | 2010-07 | Careex-/ Capeex-6EExeN/T A:2,5 Inch Loudspeaker-adapter | 1 |
| 2175A-B | 02 | 2016-05 | CAP-/ CAR-/ EEX-6EExeN/T/MF or CAP-/ CAR-/ EEX-6EExeN/T/MF – 2 x 2,5inch* | 1 |
| DNH0115 | H | 2002-10-07 | Careex cabinet | 1 |
| DNH 5118 | A | 1992-10-20 | Lid | 1 |
| 730-A4-D | D | 2010-09-27 | LB1 EEX-GJENNOMFØRING (d-rom) PG13,5 M20x1,5 | 1 |
| 2683 | - | 2014-08-23 | CAREEX-6T w/cable tale Maintenance Free | 1 |

*new or updated document

Certificate History and Associated Nemko Reports

| Issue | Date | Report | Description |
|-------|------------|--------------------------|--|
| 0 | 2010-10-22 | 136855 | Prime Certificate released. |
| 1 | 2011-06-30 | 174802 | The descriptive documents are updated to include IECEx components and standards. |
| 2 | 2014-05-08 | 174802 | Certificate number on page 2 corrected. |
| 3 | 2014-09-04 | D0001490 / 269189 | Add MF in the designation indicates design with moulded e-chamber and permanent cable. |
| 4 | 2016-06-21 | D0001490- rev 1 / 269189 | The descriptive documents are updated for clarification purpose regarding sealing plug and nylon washer. |



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|---|------------|--------------------------------|--------------------------|
| 5 | 2017-06-02 | D0001490- rev 1 / 269189 | Correction of ATEX code. |
|---|------------|--------------------------------|--------------------------|

[17] Specific Conditions of Use

None

[18] Essential Health and Safety Requirements

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9