

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00008NV

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

that the **Public Address and General Alarm Systems (PAGA):- Speakers**

with type designation(s)

BA-56 EExeNT-MED, DSP-15 EExmN(M)T(MF)-MED, DSP15 EExmN(M)LT(MF)

issued to

DNH A/S Den Norske Høytalerfabrikk A/S
KRAGERØ, Norway

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2023/1667,

item No. MED/1.44b. SOLAS 1974 as amended, Regulation II-2/12,21,22, III/4, 6 & X/3, LSA Code VII, HSC Code 4,8, IMO MSC.1/Circ. 808, 1369/Add.1

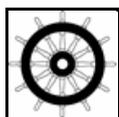
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2029-02-05**.

Issued at **Høvik** on **2024-02-06**

DNV local unit:
East & South Norway CMC

Approval Engineer:
Steinar Kristensen



Notified Body
No.: **0575**

for **DNV AS**

Mydlak-Röder, Christine
Head of Notified Body



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

The BA-56 EExeNT-MED, DSP-15 EExmN(M)T(MF)-MED and DSP15 EExmN(M)LT(MF) are Ex-approved speakers intended for sounding of Public Address or General Emergency Alarm.

Unit	Description	Rated Voltage (V)	Max power (W)	Location
BA-56EExeNT-MED	Ex Ceiling speaker for flush mounting	100	6	Protected
DSP-15 EExmN(M)LT(MF)-MED *	Ex horn speaker with bracket mounting, Long flare	100	25	Exposed
DSP-15EExmN(M)T(MF)-MED *	Ex horn speaker with bracket mounting, Short flare	100	25	Exposed

* Information in brackets indicates optional features: M=Monitoring, MF=Maintenance Free

Application/Limitation

- The speakers are to be installed according to instructions in technical documentation.
- Ex-equipment (equipment to be used in areas with explosive atmosphere) listed in this certificate are subject to separate Ex- approvals. The scope of this certificate is limited to use of the speakers for the purpose of sounding of Public Address or General Emergency Alarm

Type Examination documentation

DNV No	Document ID	Rev	Description
15	BA-56EExeNT-MED	2024-01-26	Manual: DNH, Manual and specifications for BA-56EExeNT-MED
14	DSP-15EExmNT-MED	2024-01-26	Manual: DNH, Manual and specifications for DSP-15EExmNT-MED
13	DSP-15EExmNLT-MED	2024-01-26	Manual: DNH, Manual and specifications for DSP-15EExmNLT-MED
5	13356-8S	0	Report: Labtest Certification Inc, Environmental test report for DSP-15EExmNT
2	13356-7S	0	Report: Labtest Certification Inc, Environmental test report for BA-56EExeNT speaker

Tests carried out

- Environmental testing: IEC 60945 (2002) incl. Corr.1 (2008)
- Performance testing: EN 50695 (2021)

Marking of product

The type designation and name and contact address of the manufacturer shall be affixed visibly, legibly and indelibly to the product. In addition the product shall be marked with serial number, safe distance to magnetic compass, power consumption and/or supply voltage.