

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000B4B
Revision no.:
0

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 **Penetrations through 'B' class divisions: - pipe, duct, trunk, etc. Penetrations**

with type designation(s)
MME-125, MMS-125

issued to

Koja Oy
Tampere, Finland

is found to comply with the Implementing Regulation (EU) 2025/1533 for
Item no. **MED/3.27b** (Row **1 of 1**)
according to the following requirements:
SOLAS 74 Reg. II-2/9, IMO Res. MSC.1/Circ.1655

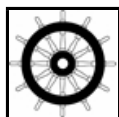
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-11-05**

Expiry date: **2030-11-04**

DNV local unit:
Finland CMC

Approval Engineer:
Marcin Tobiasz



Notified Body
no.: **0575**

for **DNV AS**

Christine Mydlak-Röder
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 USD 300 000.

Product description

"MME-125 and MMS-125"

are air ducts supplied with nozzles installed into cut-outs in a class B-15 ceiling.

The air ducts consist of either Exhaust Nozzle Type KSO-125-ON (Onnline) & MME-125 (Koja Oy) or Supply Nozzle Type KTS-125-ON (Onnline) & MMS-125 (Koja Oy), both of which are mounting to the frame beneath the ceiling by bolts and rivets. On top, a pressed galvanized steel bend BU-125 90 (manufactured by Lindab Oy).

For further details, see documents in the "Type Examination documentation" below.

Application/Limitation

Approved for use as a air duct in a class B-15 ceiling.

Approved for installation in the tested ceiling HT-300 manufactured by Koja Oy composed of panels manufactured by Oy Lautex Ab or ceiling panel of similar or better construction and materials. Ceiling panels were constructed of steel sheets with the thickness of 0.6 mm and insulated with 25 mm nominal thick stone wool Paroc Marine Slab 40 (manufactured by Paroc Group Oy) with the nominal density of 40 kg/m³. Ceiling panel has to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

Table 1: Approved cabin units as a duct penetration in B-15 ceiling panels

Nozzle Type	Installation position	Outlet duct Diameter / insulation
KSO-125-ON (Onnline) & MME-125	Topside	Ø125 un-insulated
KTS -125-ON (Onnline) & MMS-125	Topside	Ø125 fully insulated (1)

(1) one layer of 35 mm thick stone wool Rockwool SeaRox FM 6040 Alu (Rockwool A/S) with the nominal density of 60 kg/m³.

The structural integrity and thermal integrity shall be maintained after fitting the cabin unit into the ceiling panel. The arrangement is subject for approval in each case by attending surveyor/authority as per IMO 2010 FTP Code, part 3, appendix 1, 1.14.

The insulation material used has to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

Each product is to be supplied with its manual for installation and maintenance.

Type Examination documentation

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, fire technical rating and the Mark of Conformity (see first page).