DNH
Loudspeakers

CAPEEX-6

Ex-cabinet loudspeaker

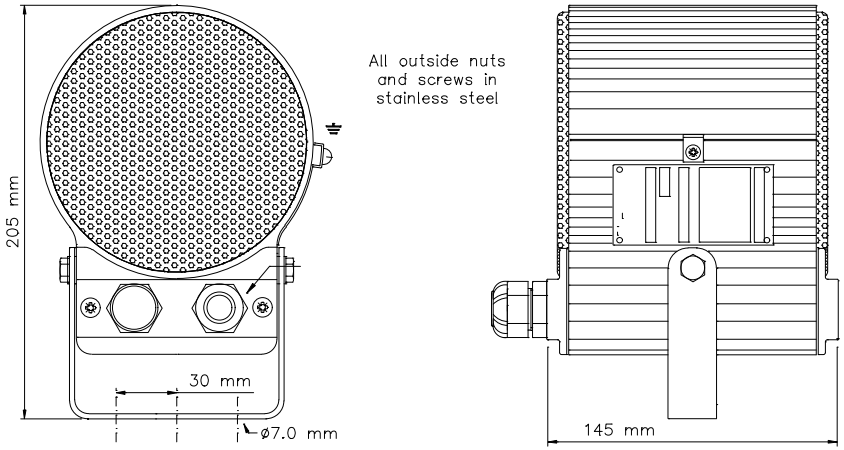

Fig. 1 - Technical drawing

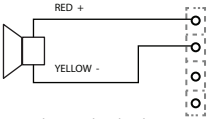

Fig. 2 - Circuit Diagram

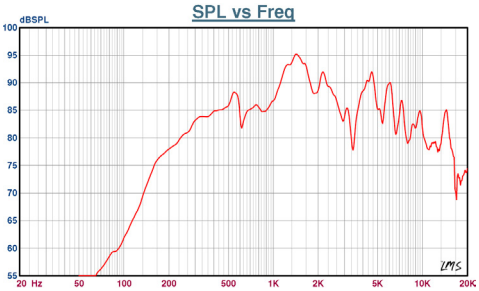

Fig. 3 - SPL at 1W/1m

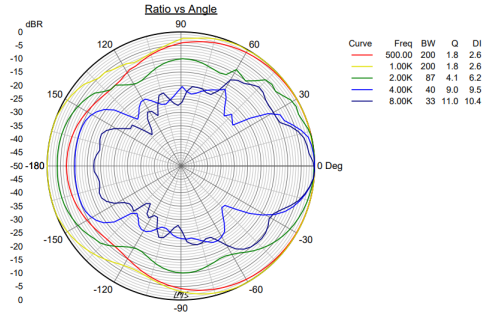

Fig. 4 - Polar plot 1W/1m

Copy of all certificates can be found by scanning QR-code or going to the DNH web page: www.dnh.no

TECHNICAL SPECIFICATIONS	
Material	Aluminium
Color	Anodized
Mounting	U-bracket
Cable entry (standard)	2xM20 blanking plugs
Termination (standard)	Screw terminal (e-chamber)
Weight	3,2 kg
IP-rating	54
Ambient Temp. Min/Max	-20°C / 40°C
Rated (standard) / max. power	6W / 15W
Impedance (standard)	8 ohm
SPL 1W/1m	90 dB
SPL rated power	97 dB
Freq. range	150 - 20000 Hz
Effective freq. range	160 - 16000 Hz
Dispersion (-6dB) 1kHz / 4kHz	200° / 40°
Directivity factor, Q1kHz	1,8
Options	Impedance, cable glands, terminals

APPROVALS AND CERTIFICATIONS	
Ex-marking	Ex II 2 G Ex d e IIB+H_2 T6 Gb
IECEx	IECEx NEM 11.0016
ATEX	Nemko 10 ATEX 1054
Other certificates (variants*)	INMETRO, US/CAN, ECAS Ex
*contact the Sales team to ensure you get the right approvals	

DNH reserves the right to alter specifications without notice

INSTALLATION, OPERATION AND MAINTENANCE PROCEDURES:

WARNING: Do not open the Ex-loudspeaker when the speaker is energized.

1. Enter the e-chamber by loosening the screws on the lid.
2. Use only appropriate ATEX certified 'Ex eb' cable glands/blind plugs reflecting the same specifications as the rest of the loudspeaker with respect to IP rating and environmental temperature.
3. Lead cable through cable gland and connect to the terminal.
4. For screw terminals, all terminal screws, used and unused, shall be tightened down to between:
   BK – TUV 18 ATEX 8209U: 0,5Nm and 0,7Nm
   MK - TUV 18 ATEX 8209U: 0,4Nm and 0,45Nm
5. If the Ex-loudspeaker is to be earthed use marked earth screw inside the termination chamber and/or on the outside of the loudspeaker housing.
6. Fasten lid screws with a torque of 2 – 2,2 Nm to ensure the IP rating.
7. To change the position of the loudspeaker, please adjust bracket (by loosening / tightening the bolts) as required.
8. To ensure IP X4 rating the loudspeaker must be installed with the surface of the sound openings in a vertical position.
9. Be sure that the Ex-loudspeaker is connected to the correct voltage, frequency and power stated on labels on the model.
10. Be sure that the environmental temperature is within the certified temperature range.
11. Keep the loudspeaker clean of foreign elements, such as chemicals, soaps, acids etc.
12. Optional MF model (maintenance free) has moulded e-chamber and fitted with permanent cable. Constructed not to be opened.
13. Model variants are indicated on separate label. CAPEEX-6/T/x2/MF.
14. CAPEEX-6(T) is certified according to Directive 2014/34/EU and EN 60079-0:2012+A11:2013, EN 60079-1:2007, EN 60079-7:2007.
15. The loudspeaker is supplied with two years warranty against defective workmanship.

CE 0470

Makes the world sound

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