



# DNH

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## DSP-15EExmN(T)

ISO 9001 CERTIFIED

**Rear view**

156mm  
30mm  
25mm  
Ø7mm

Optional Bracket  
Stainless steel

**CIRCUIT DIAGRAM**

Transformer

1 RED  
2 YELLOW  
3 GREEN  
4 BLUE

Loop in 100V  
Loop out 100V  
Loop in 100V  
Loop out 100V  
Loop in 100V  
Loop out 100V

Low impedance

170mm  
207mm

All outside nuts and screws in stainless steel

Standard Bracket  
Plastic ASA

Model: MaxPower: DNH 3770 Kragers Norway  
 DSP-15EExmN(T) 30W  
 DSP-15EExmN(T) 30W  
 I2G Exd emb IIBH, T4Gb  
 I2G Exd emb IIC T4Gb  
 I2D Ex tb IIC T105 C

Rated current: 0.25 A IECEx NEM 05.0005X  
 Rated Voltage: 100V Req: 160-20000Hz  
 IP66 & IP67 -50 <math>T\_a</math> <math>50^{\circ}</math>  
 Normko 09ATEX1322X Ser.no.: Outside enclosure  
 Warning: Do not open while energized CE 0470

Standard model delivered with two M20  
Ex approved plastic blinding plugs

Primary nominal tapings	
1 : 2	25,0 W
2 : 3	15,0 W
3 : 4	6,5 W
1 : 3	5,0 W
2 : 4	2,5 W
1 : 4	1,5 W

### Sound pressure levels at 1W/1m



### Specifications

	IIB	IIC
Material / Color	Anti-static PA / Black	
Mounting	Bracket	
Termination	e-chamber, push terminals	
Weight w/transformer	2,2 kg	
IP-rating	66 / 67	
Max. / min. amb. temp	50°C / -50°C	
Rated / max. power	25 W / 30 W	
SPL 1W/1m	105 dB	102 dB
SPL rated power	118 dB	115 dB
Effective freq. range	380 – 7000 Hz	450-6000
Dispersion (-6dB) 1kHz / 4kHz	200° / 47°	105° / 35°
Directivity factor, Q 1kHz	1,8	
Options	Impedances, labels	

### Installation, Operation and Maintenance Procedures

- Remove lid by four screws, lead cable through the cable gland and connect to terminal with required tapping.
- Screw lid back into place by four screws with a torque of 2Nm to assure the IP rating.
- To change the position of the loudspeaker, please adjust the standard U- bracket (by loosening / tightening the screws) as required.
- Use only certified/specified cable glands and blanking plugs reflecting the same IP rating and temperature range as the loudspeaker.
- Standard model delivered with two M20 Ex approved plastic blinding plugs.
- DSP-15EExmN(T) can be supplied with three different bracket systems, according to customer requirements.
- For optimum performance, always use the correct voltage / power and operate within the frequency limits as stated.
- Do not open loudspeaker when energized.
- This loudspeaker is supplied with a two years warranty against defective workmanship.

DNH reserves the right to alter specifications without notice

