



DSP 15 25W EExmNT (IIB+H2)

SPEAKER

EXPLOSION-PROOF HORN SPEAKER

The speaker is especially designed for use in hazardous and noisy areas.

The connection cable is inserted via cable gland. The power is adjusted on the primary side of the 100 V transformer.



- Explosion-proof for Zone 1, 2, 21 and 22
- Robust industrial technology
- Sturdy design
- Stainless steel bracket
- Light weight
- Degree of protection IP66/IP67

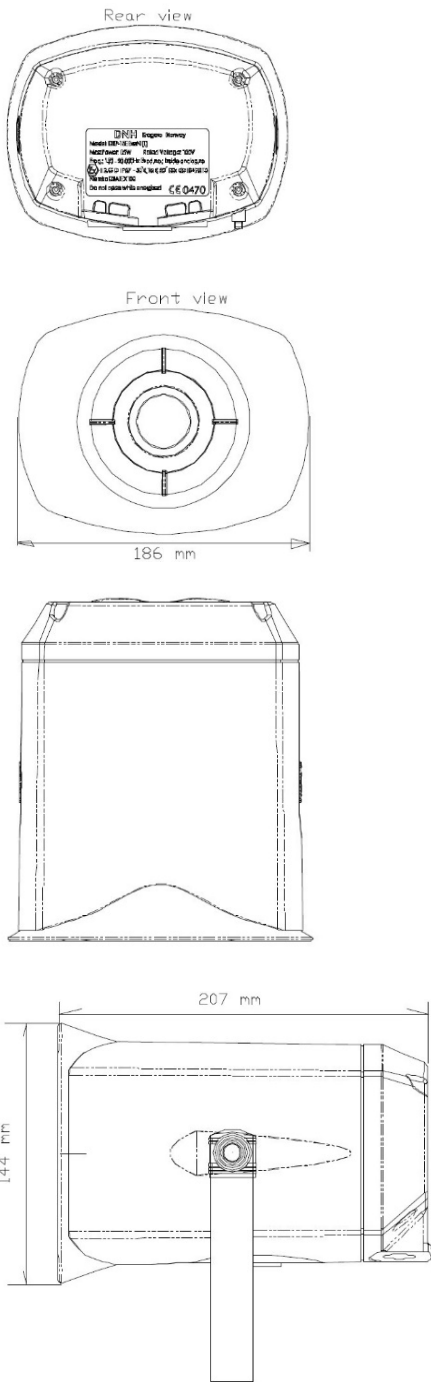
MECHANICAL DATA

Housing	Anti-static polyamide
Width x height x length	186 mm x 144 mm x 207 mm (7.32" x 5.67" x 8.15")
Cable entries	2 x M20 x 1.5
Cable gland	1 x M20, 1 x M20 stopping plug
Connection	Push terminals
Weight	Approx. 2.2 kg (approx. 4.85 lbs)
Color	Black (RAL 9005)
Mounting	Stainless steel bracket

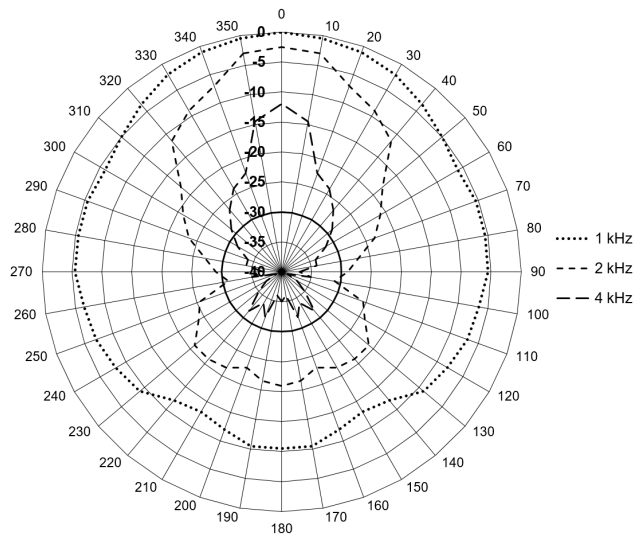
ELECTRICAL DATA

Rated power	25 W
Transformer tapings	100 V: 25 W / 15 W / 6.5 W 5 W / 2.5 W / 1.5 W
Sound pressure level 1 W, 1 m (3.28 ft)	106 dB (+/-3 dB)
Sound pressure level 25 W, 1 m (3.28 ft)	118 dB (+/-3 dB)
Effective frequency range	380 Hz to 8,000 Hz
Dispersion angle (-6 dB)	1 kHz: 120° / 4 kHz: 37°

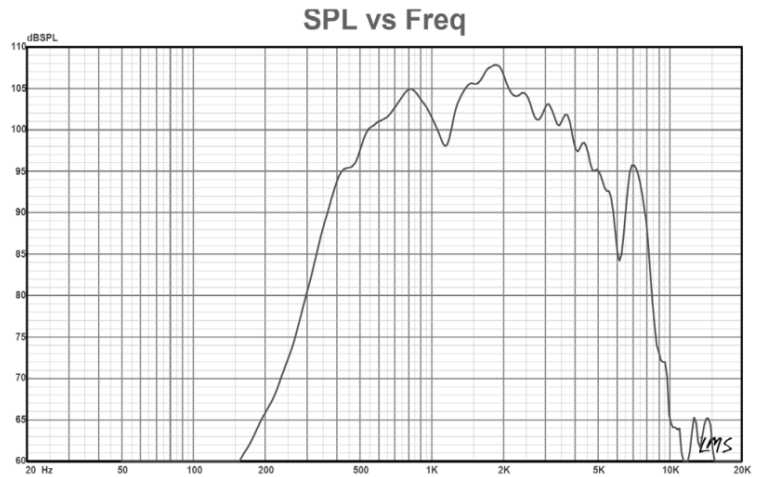
DIMENSIONS



POLAR DIAGRAMM



FREQUENCY DIAGRAMM



MEASUREMENT CONDITIONS

Sound pressure level (SPL)	1 W / 1 m (3.28 ft)
Pink noise	1/3 octave filter
Zero level in frequency response	50 dB
Range	60 dB

SOUND PRESSURE LEVEL RELATED TO DISTANCE

P_{max} 25 W	Level (dB) at	(-6 dB)	(-20 dB)	(-28 dB)	(-36 dB)	
	1 m (3.28 ft)	2 m (6.56 ft)	10 m (32.80 ft)	25 m (82.02 ft)	65 m (213.25 ft)	
		118	112	98	90	82

ENVIRONMENTAL REQUIREMENTS AND STANDARDS

Ambient temperature during operation	-50°C to +60°C (-58 °F to +140 °F)
Relative humidity (non-condensing)	Max. 95 %
Degree of protection	IP66/IP67
Approvals	ATEX, GOST, CQST, IECEX, INMETRO
Markings	IECEX: Ex db eb mb IIB+H2 T4 Gb Ex tb IIIC T105° Db ATEX: Ex II 2G Ex db eb mb IIB+H2 T4 Gb Ex II 2D Ex tb IIIC T105°C Db

ORDER DATA

Type Number	001-255-046
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