



D1xL2F 25W SPEAKER

EXPLOSION-PROOF HORN SPEAKER

The explosion-proof horn speakers of the D1xL2F 25W series are especially designed for use in hazardous areas with explosive gas and dust atmosphere of Ex zone 1, 20 and 21 and Class I & II Div 1.



- For use in hazardous areas with explosive gas and dust atmosphere of Ex Zone 1, 20 and 21
- CAN / ULC-S541 certified for hazardous and normal locations
- UL 1480 certified
- Degree of protection IP66/67, NEMA 4/4X
- For transmission of speech and alarm tones
- High sound pressure level
- Robust industrial technology
- Sturdy design

MECHANICAL DATA

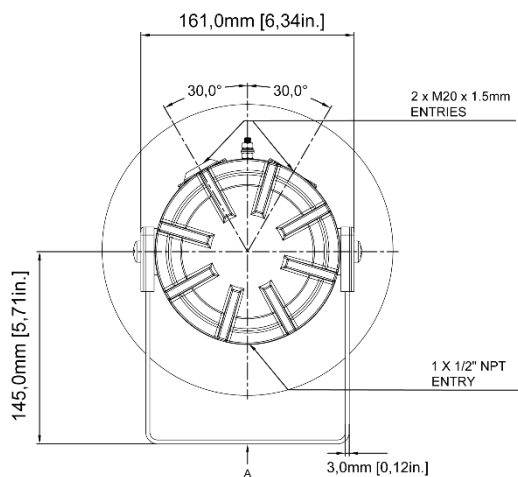
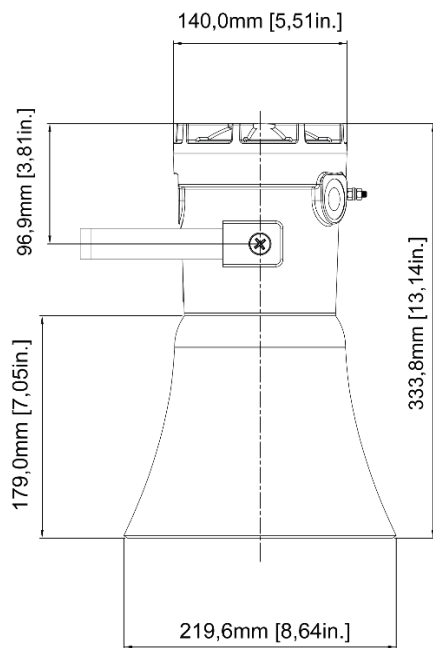
Housing	Body: Marine-grade LM6 aluminum alloy Flare: Thermoplastic polyester Both V0 flammability rating
Width x length	219.6 mm x 333.8 mm (8.64" x 13.14")
Cable entries	2 x M20 and 1 x NPT 1/2"
Cable gland	All entries with brass stopping plugs
Connection	Duplicated screw terminals 0.5 to 2.5 mm ² (20-14 AWG) Earth stud: 5 mm (0.20")
Weight	4.5 kg (9.92 lbs)
Color	Red (RAL 3000)
Mounting	Brackets and screws made of 316 stainless steel

ELECTRICAL DATA

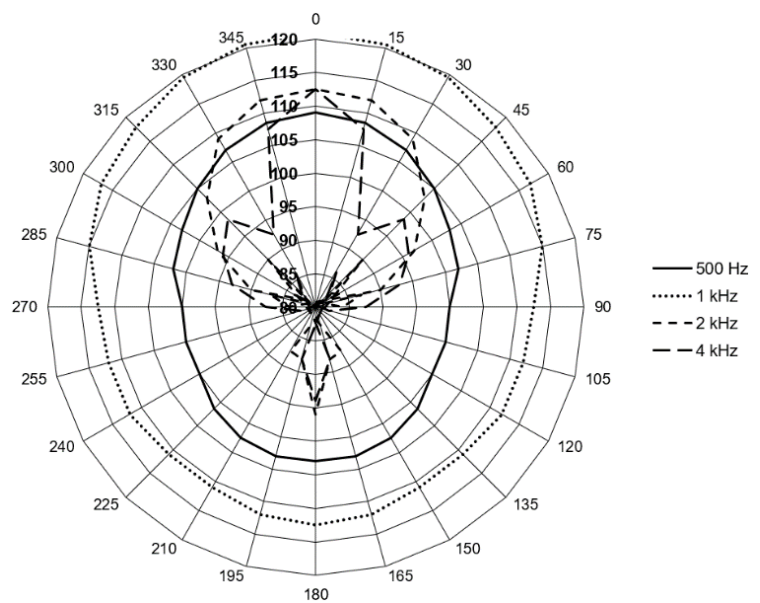
Rated power	25 W
Transformer tapings	100 V: 25 W / 12.5 W / 6 W / 2 W
Sound pressure level 1 W, 1 m (3.28 ft)	104 dB (+/-3 dB)
Sound pressure level 25 W, 1 m (3.28 ft)	119 dB (+/-3 dB)
Effective frequency range	400 Hz to 8,000 Hz
Dispersion angle (-6 dB)	1 kHz: 147° (v/h) / 4 kHz: 38° (v/h)



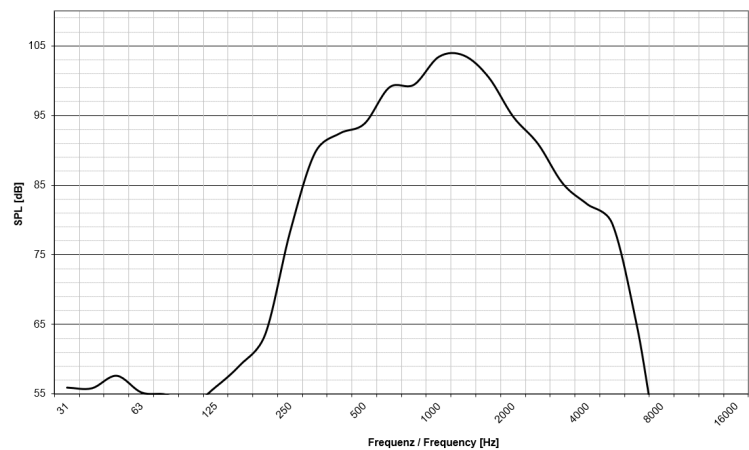
DIMENSIONS



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 range	55 dB
Range	55 dB

SOUND PRESSURE LEVEL RELATED TO DISTANCE

P_{max} 25 W	Level (dB	(-6 dB)	(-20 dB)	(-28 dB)	(-36 dB)
	at				
	1 m	2 m	10 m	25 m	65 m
	(3.28 ft)	(6.56 ft)	(32.81 ft)	(82.02 ft)	(213.25 ft)
	119	113	99	91	83



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Subject to technical modifications - Doc. no. DAT-001-225-063 • V01 • EN • 27.01.2026

ENVIRONMENTAL REQUIREMENTS AND STANDARDS

Ambient temperature during operation	NEC/CEC: -55 °C to 85 °C (-67 °F to +185 °F) CEC/IECEX/ATEX: -55 °C to +75 °C (-67 °F to +185 °F)
Relative humidity (non-condensing)	Max. 95 %
Degree of Protection	IP66/IP67, NEMA 4X & 6
Approvals	UL/cUL, IECEX, ATEX, CSFM, UKCA, INMETRO, DNV
Markings	NEC Class Div: Class I Div 1 Group ABCD T5 Ta -55°C to +85°C (T6 +60°C) CEC Class Div: Class I Div 1 Group ABCD T5 Ta -55°C to +75°C (T6 +60°C) NEC Class Zone: Class I Zone 1 AEx db IIC T4 Gb Ta -55°C to +75°C (T5 +70°C) Zone 21 AEx tb IIIC T91°C Db Ta -55°C to +75°C CEC Class Zone : Ex db IIC T4 Gb Ta -55°C to +75°C (T5 +70°C) Ex tb IIIC T91°C Db Ta -55°C to +75°C IECEX / ATEX : II 2G Ex db IIC T4 Gb Ta -55°C to +75°C (T5 +70°C, T6 +55°C) II 2D Ex db IIIC T98°C Db Ta -55°C to +75°C

ORDER DATA

Type Number	001-225-063
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