



D2xL2F 25W SPEAKER

EXPLOSION-PROOF HORN SPEAKER

The explosion-proof horn speakers of the D2xL2F 25W series are especially designed for use in hazardous areas with explosive gas and dust atmosphere of Ex zone 2, 22 and Class I / II Div 2.



- For use in hazardous areas with explosive gas and dust atmosphere of Ex Zone 2 and 22
- 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 Horn: 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 ½"
Cable gland	All entries with brass stopping plugs
Connection	Duplicated screw terminals 0.5 to 2.5 mm² (20-14 AWG) Earth stud: 5 mm (0.20")
Weight	4.5 kg (9.92 lbs)
Color	Red (RAL 3000)
Mounting	Bracket 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: 140° (v/h) / 4 kHz: 29° (v/h)

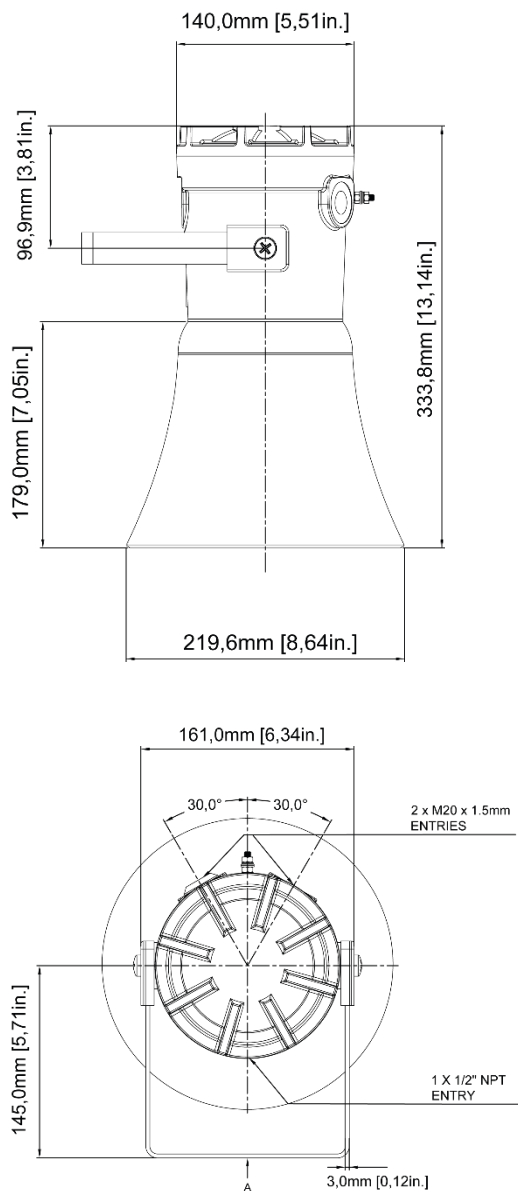


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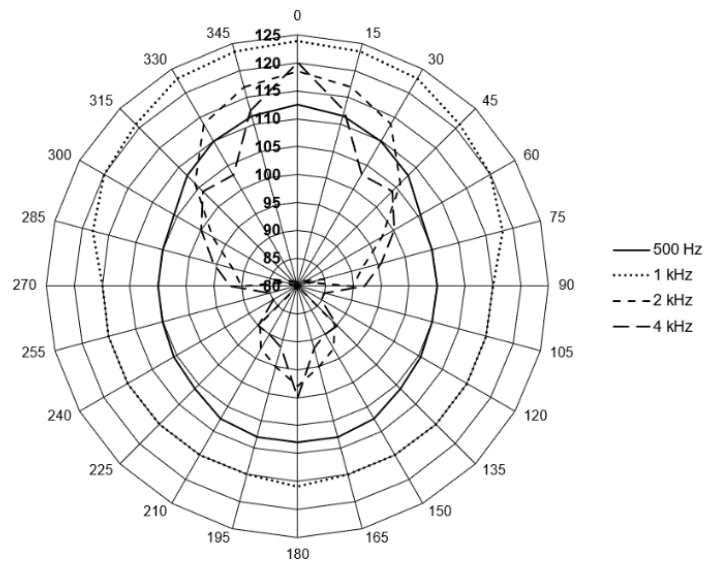


Subject to technical modifications - Doc. no. DAT-001-225-062 • V01 • EN • 26.01.2026

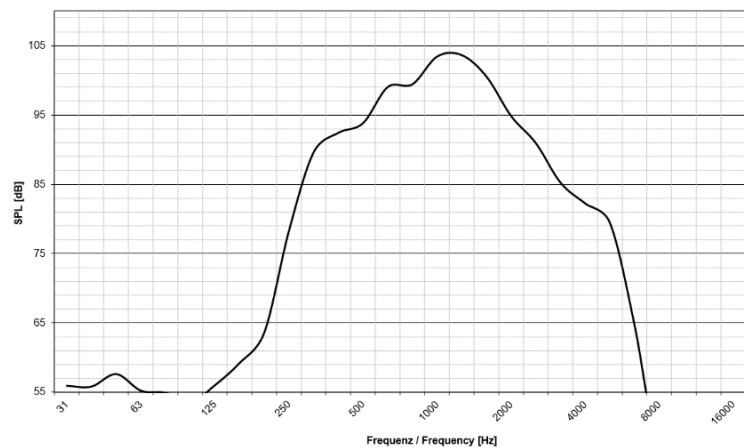
DIMENSIONS



POLAR DIAGRAM



FREQUENCY DIAGRAM



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

ENVIRONMENTAL REQUIREMENTS AND STANDARDS

Ambient temperature during operation	NEC/CEC: -55 °C to +80 °C (-67 °F to +176 °F) CEC/IECEX/ATEX: -55° to +75°C (-67 °F to +167 °F)
Relative humidity (non-condensing)	Max. 95 %
Degree of Protection	IP66/IP67, NEMA 4X & 6
Approvals	UL/cUL, IECEX, ATEX, CSFM, UKCA, PESO, DNV
Markings	NEC/CEC Class Div Class I Div 2 Group ABCD T3 Ta - 55°C to +85°C (T3A: +80°C) Class I Div 2 Group ABCD T3B Ta - 55°C to +65°C (T3C: +60°C) Class II Div 2 Group FG T4 Ta - 55°C to +85°C Class III Ta -55°C to +85°C NEC Class Zone Class I Zone 2 AEx ec IIC T3 Gb Ta -55°C to +75°C Zone 22 AEx tc IIIC T119°C Dc Ta - 55°C to +75° CEC Class Zone Ex ec IIC T3 Gc -55°C to +75°C Ex tc IIIC T119°C Dc -55°C to +75°C IECEX / ATEX II 2G Ex ec IIC T3 Gc Ta -55°C to +75°C II 2D Ex tc IIIC T119°C Dc Ta -55°C to +75°C

ORDER DATA

Type Number	001-225-062
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