

BExL15 / BExDL15 PA Loudspeakers

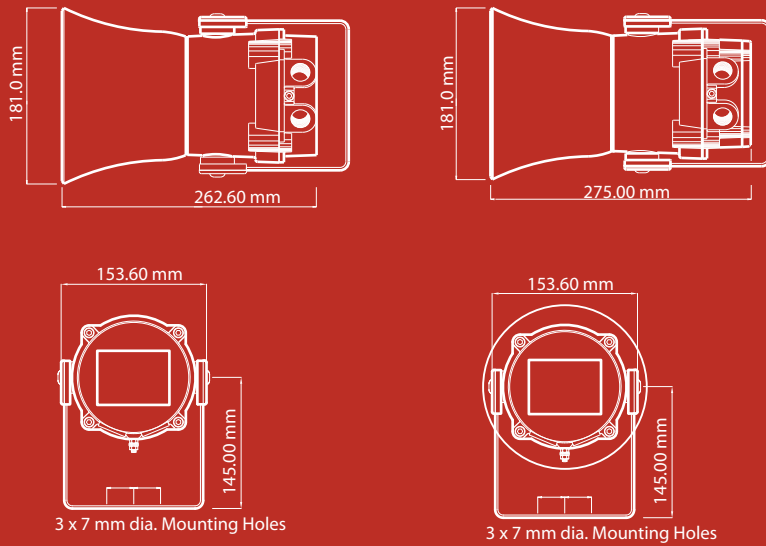
The flameproof BExL15 PA loudspeakers are suitable for Zone 1 & Zone 2 applications and the BExDL15 sounders also for Zone 21 & 22.

The BEx range features enclosures manufactured from corrosion proof, marine grade copper free LM6 aluminium which is phosphated and powder coated.

The re-entrant flare horns are high impact, fire retardant ABS. All models have two M20 cable entries, large termination areas containing in & out terminals (Ex de version only) and an ingress protection of IP66/67 (Ex d) and IP66 (Ex de).

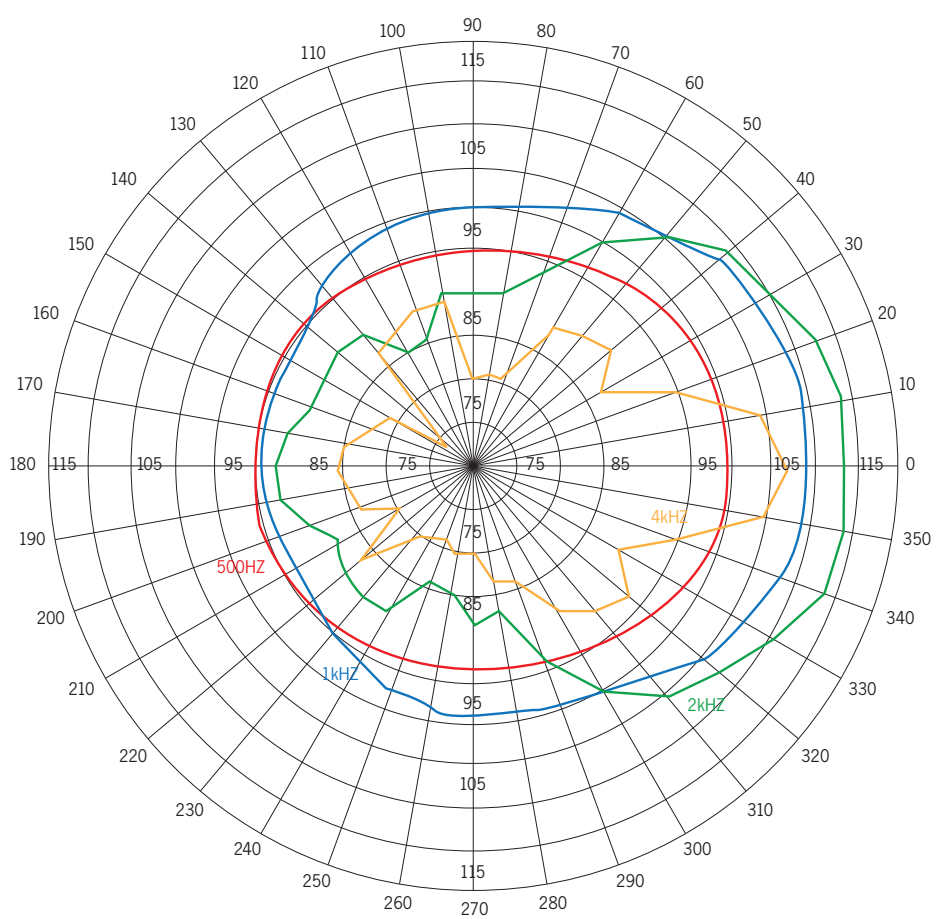
An independent test report is available on request, or online, detailing the performance of the BEx loudspeaker range.

BExL15D & BExDL15D version BExL15E & BExDL15E version



Specification:

SPL:	102dB +/-3dB @ 1w @ 1m - Pink noise 113dB +/-3dB @ 15w (rated power) @ 1m
Rated power:	15 Watts RMS
70v line tapings:	15w / 7.5w / 3w / 1w (z=336.67 Ohms / 653.33 Ohms / 1.6k Ohms / 4.9k Ohms)
100v line tapings:	15w / 7.5w / 3w / 1w (z=666.87 Ohms / 1.34k Ohms / 3.34k Ohms / 10k Ohms)
Low impedance:	8 Ohm or 16 Ohm
Dispersion:	120° @ 1kHz & 32° @ 4kHz
Frequency range:	400Hz to 8000 Hz
DC Line monitoring:	2.2µF Capacitor (Transformer version) 470µF Capacitor (Low impedance version)
Ingress protection:	L15D : IP66/67 L15E : IP66
Housing material:	Marine grade copper free LM6 Aluminium
Housing finish:	Phosphated & powder coated finish - anti-corrosion.
Colour:	RAL3000 Red (others available on request)
BExL15 flare:	High impact UL94 V0 & 5VA FR ABS (Red)
BExDL15 flare:	Anti-Static High impact ABS (Black)
Cable entries:	Dual M20 ISO (one stopping plug included)
Terminals:	0.5 to 4.0mm ² cables.
Line monitoring :	Min. 500 Ohm 2w, or 3k3 Ohm 0.5w res. or diode within Exd enclosure (dc versions).
Weight :	70/100V line: 3.45kg Low imp.: 3.10kg



* SPL data +/-3dB(A). Measured at optimum voltage.

Part codes:

Part Code:	Classification:
BExL15D**	ATEX / IECEx: II 2G Ex d IIB T4 Ta. -50° to +70°C II 2G Ex d IIC T4 Ta. -50° to +55°C GOST-R: 1ExdIICT4 Ta. -50° to +55°C
BExL15E**	ATEX / IECEx: II 2G Ex de IIB T4 Ta. -50° to +70°C II 2G Ex de IIC T4 Ta. -50° to +55°C GOST-R: 2ExdeIICT4 Ta. -50° to +55°C
BExDL15D**	ATEX / IECEx: II 2G Ex d IIB T4 Ta. -50° to +70°C II 2G Ex d IIC T4 Ta. -50° to +55°C II 2D Ex td A21 IP67 T115 based on a max. Ta. of 70°C GOST-R: 1ExdIICT4 Ta. -50° to +55°C T100°C DIP A21 Ta T4
BExDL15E**	ATEX / IECEx: II 2G Ex de IIB T4 Ta. -50° to +70°C II 2G Ex de IIC T4 Ta. -50° to +55°C II 2D Ex td A21 IP66 T115 based on a max. Ta. of 70°C GOST-R: 2ExdeIICT4 Ta. -50° to +55°C DIP A21 Ta T4

**** = type reference:

Options:	70V	70V Line transformer
	100V	100V Line transformer
	8R	8 Ohm low impedance
	16R	16 Ohm low impedance

e.g. BExL15D100V

Features:

- Very large termination area.
- Ratchet adjustable stainless steel 'U' bracket.
- IN & OUT terminals (Ex de version only).

Approvals:

- ATEX certificate: KEMA 00ATEX6312, EN 60079-0 : 2006, EN 60079-1 : 2007, EN 60079-7 : 2003, EN 61241-0 : 2006, EN 61241-1 : 2004
- IECEx certificate: IECEx KEM 10.0003, IEC 60079-0 : 2004 (Ed4), IEC 60079-1 : 2007 (Ed6), IEC 60079-7 : 2001 (Ed3), IEC 61241-0 : 2004 (Ed1), IEC 61241-1 : 2004 (Ed1)
- GOST-R certificate: POCC GB.JB05.B02205
- Safety-integrity suitability: SIL1
- Inmetro certificate: 10-IEEx-0009

