

E.LI.S.A. 100

TWO WAY COAXIAL FLUSH MOUNT SPEAKER

DESCRIPTION

The compact hi-definition E.LI.S.A. 100 is a walls flush mounted speaker. The E.LI.S.A. 100 incorporates a 120 mm (4.7") loudspeaker and a coaxial 25 mm (1") tweeter placed on a bridge support and it is equipped with a line transformer that enables direct connection to constant voltage systems at 25 V, 70 V or 100 V, a low impedance input (4 Ohm) is available as well. When connected to a 100 V line, its power can be selected among the values 10 W or 5 W through the selection inputs wire. A 25 V socket makes it possible to connect multiple speakers in parallel to a constant impedance line. Installation is quick and easy thanks to dedicated flush mount box provided.



MAIN APPLICATIONS

- High intelligibility Speech and Background music
- Schools
- Shopping malls
- Hospital
- Museums
- Hotels
- Office building

MAIN FEATURES

- Woofer 4.7" wide-band
- 1" coaxial tweeter
- 10/ 20 Watt (RMS/Music Power)
- 100 Hz ÷ 20 kHz
- 104 dB (1 m / POWER MAX) max. SPL
- Incl. 100V transformer multitap
- Easy to install

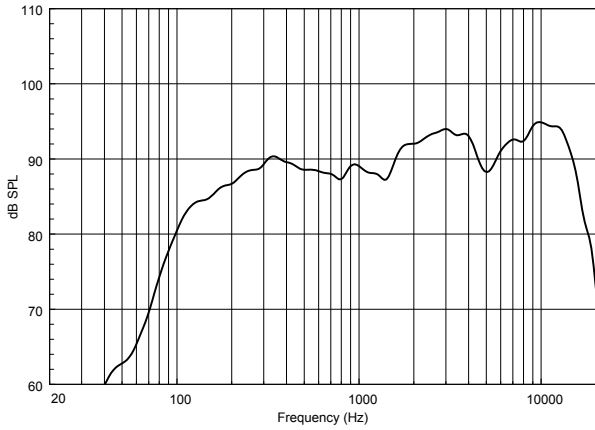
SPECIFICATIONS

Loudspeaker	4.7" coaxial woofer, 1" tweeter
Power (on 8 Ohm load)	10 / 20 W (RMS / Music power)
Power	10 W - 5 W (100V)
Sensitivity	91 dB (1 W / 1 m)
Mx. SPL (6 W / 1 m)	104 dB(A) (1 m / POWER MAX)
Frequency Response	100 Hz – 20 kHz
Angle of coverage	180° / 140° / 80° @ 1 / 2 / 4 kHz (hor.)
Connector	6 pin terminal strip
Body colour	White RAL 9003
Main body material	Auto-extinguishing high-density polystyrene
Grill material	Steel
Dimensiones (HxWxD)	260 mm x 185 mm x 55 mm
Installation	Flush mount box E.LI.S.A 100
Max wall distance	18 mm
Net weight	1.35 kg
Operating temperature	-25° to +55°
Relative humidity	90% non condensing

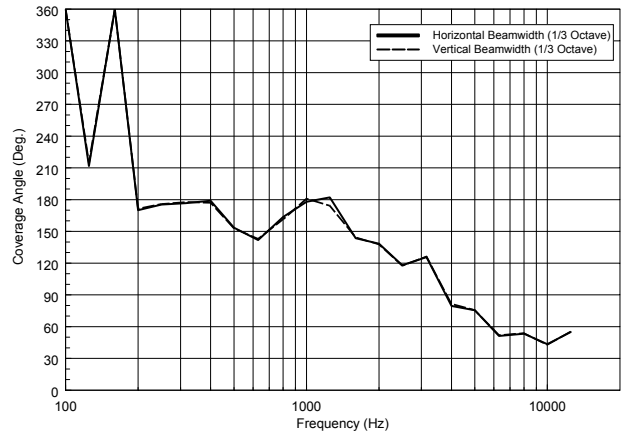


E.L.I.S.A. 100

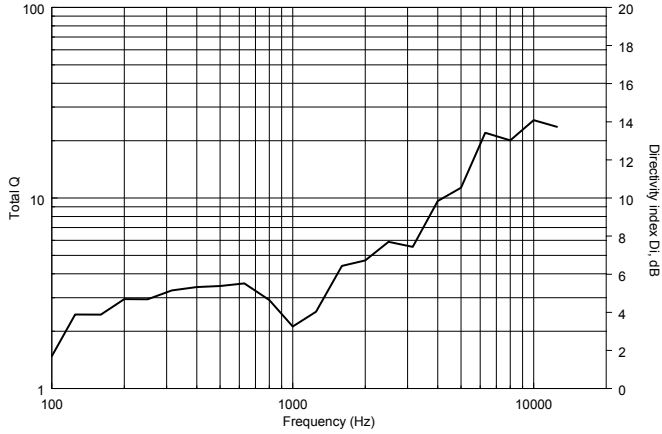
Response 1W/1m



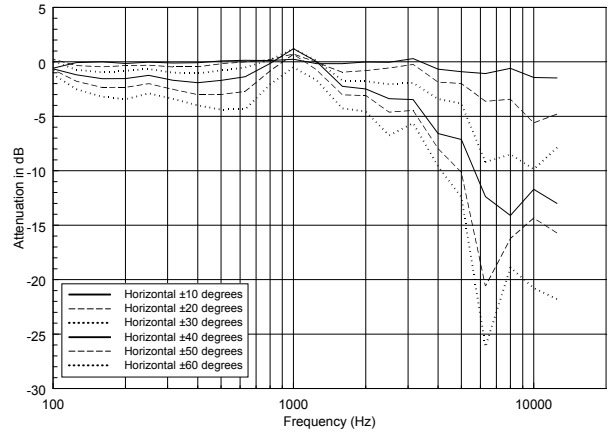
Beamwidth vs. Frequency



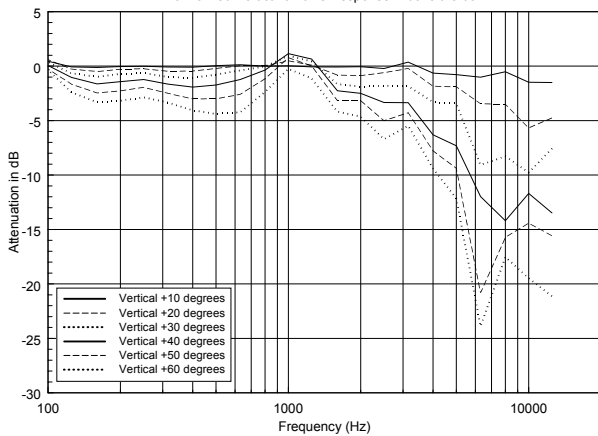
Directivity Index and Q



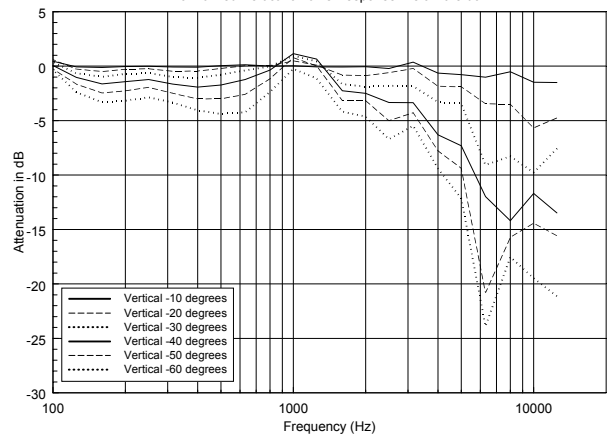
Normalized Horizontal off-axis Response



Normalized Vertical off-axis Response. Above the box

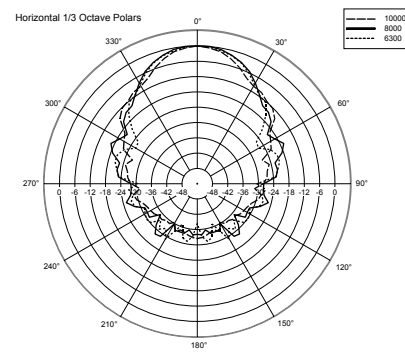
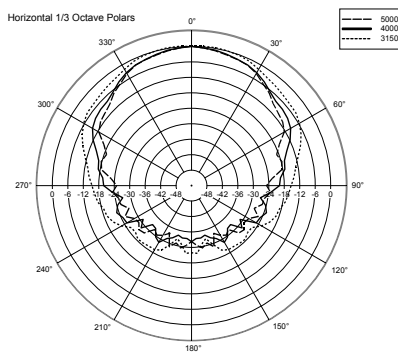
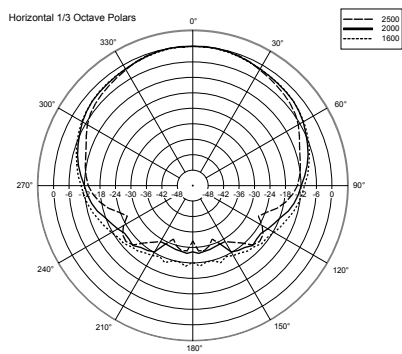
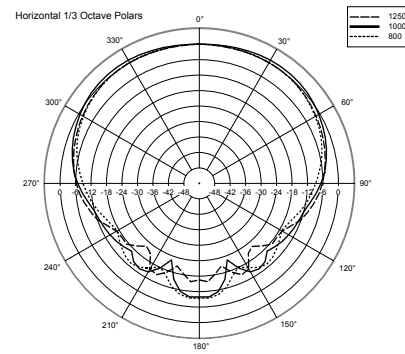
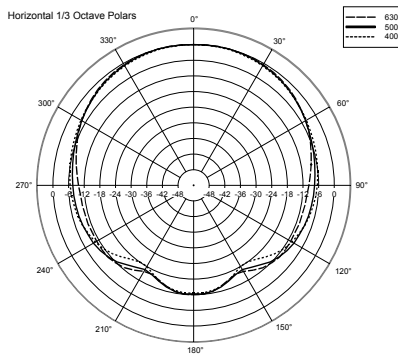
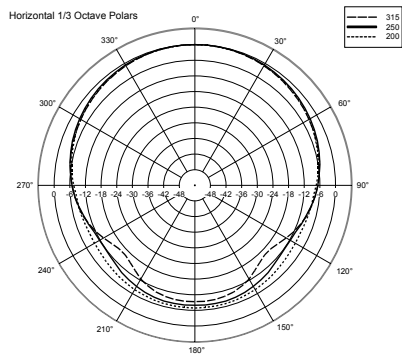


Normalized Vertical off-axis Response. Below the box

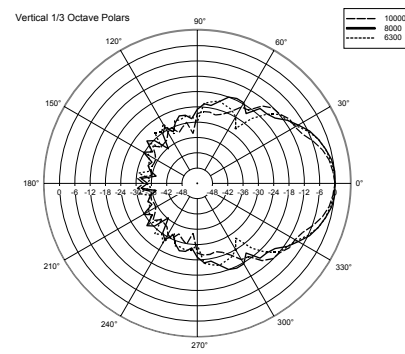
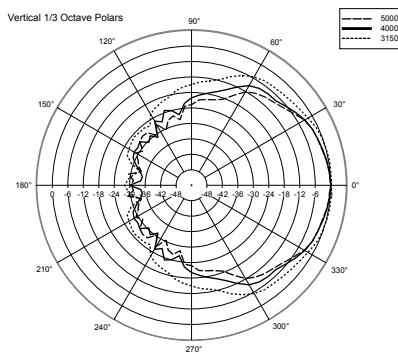
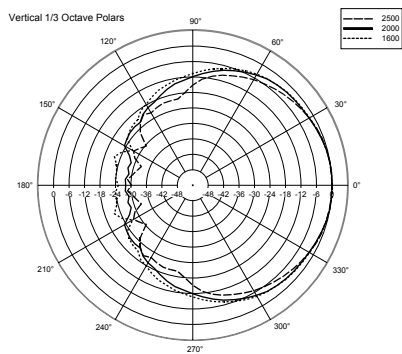
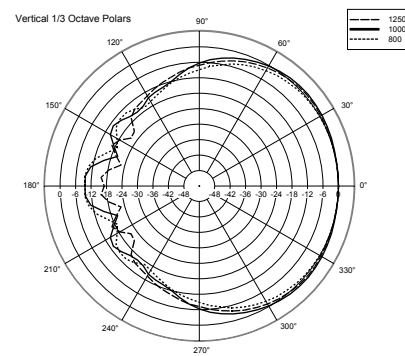
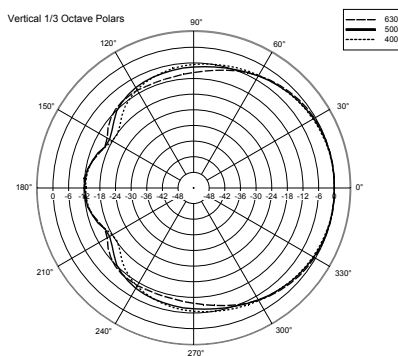
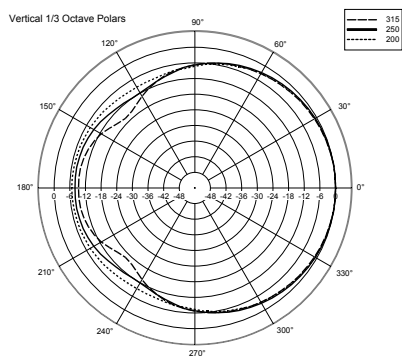


E.L.I.S.A. 100

HORIZONTAL 1/3 POLAR PLOT



VERTICAL 1/3 POLAR PLOT

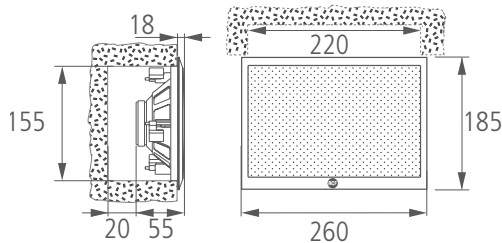


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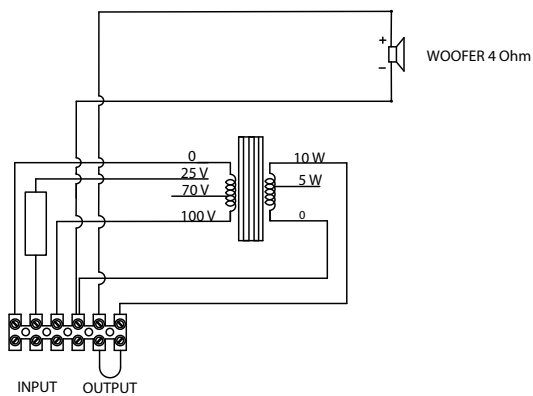
PART NUMBERS

13110072

DIMENSIONS (All data are in mm)



SCHEMATICS



POWER SELECTION

Define the colour cable to selected the chosen power value referring to the 100 V line (among 5 W – 10 W) so the correspondence impedance (among 2000 Ω – 1000 Ω)

0	25V	70V 100V	1	2	3
INPUT			OUTPUT		

CERTIFICATIONS AND APPROVALS

- CE comply with European Community Directive 73/23/EEC and 93/768/EEC
- Environmental protection IP 40 homologation
- Self-Extinguishing plastic according to UL 94V0
- Speaker data according to IEC 268-5
- Safety according to IEC EN 60065:2002
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ACCESSORIES (included)

- Deadening panel
- Steel Grill

ACCESSORIES (not included)

- AC 100B Flush mounted box (code 133 60 037 Optional)

INSTALLATION NOTES

Install the flush mount box in the wall and fix the support with loudspeaker to the box with the self tapping screw. Finally fix the elegant front cover plate to the support.

The electrical connections are clearly labelled and made through screw terminals block.

The power can be easily selected, connect the socket corresponding to the desired power capacity as indicate in the legend of the power available on the speaker.

The E.L.I.S.A. 100 is intended for indoor installations only.

