

DU 100X

COAXIAL SPEAKER



MAIN APPLICATIONS

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

DESCRIPTION

The compact and stylish DU 100X is a ceilings or walls surface mounted speaker.

The DU 100X incorporates a 100 mm (4") 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. When connected to a 100 V line, its power can be selected among the values 10 W, 5 W, 2.5 W, 1.2 W or 0.6 W through the selection 6 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 a special three-terminal system that avoids the need for using screws or other attachment elements.

MAIN FEATURES

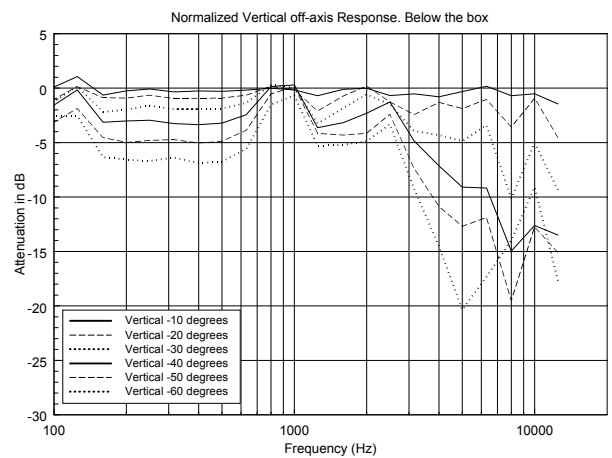
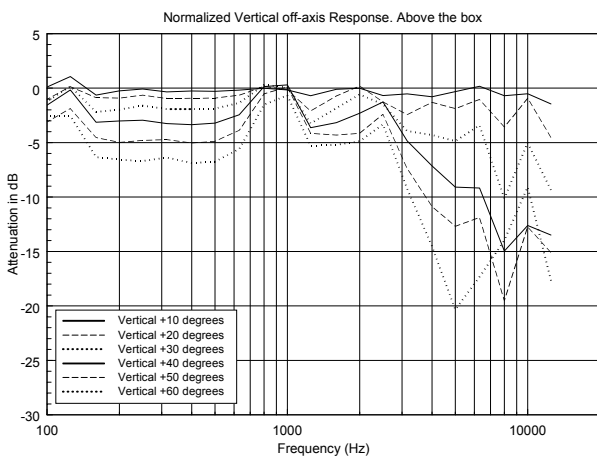
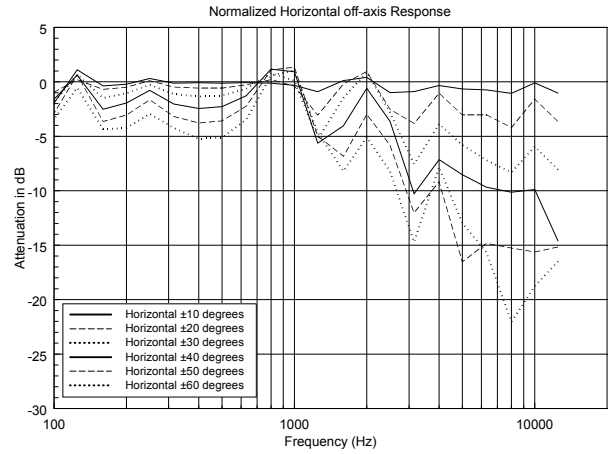
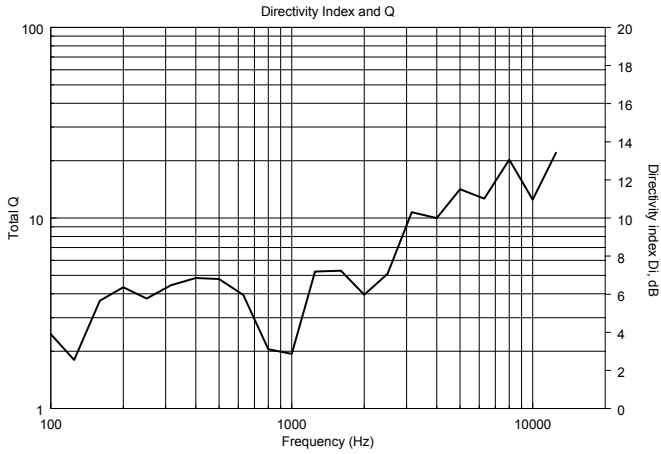
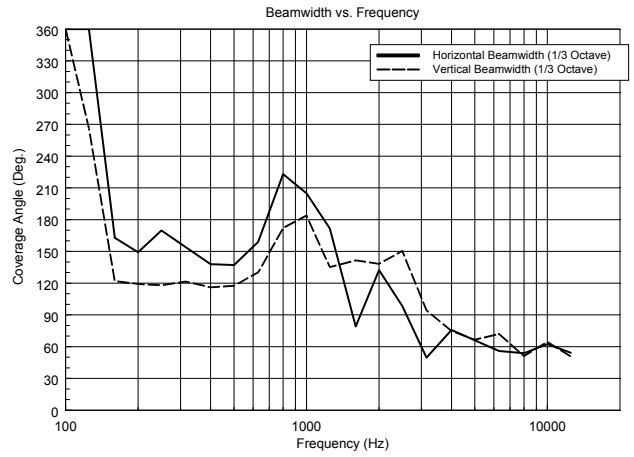
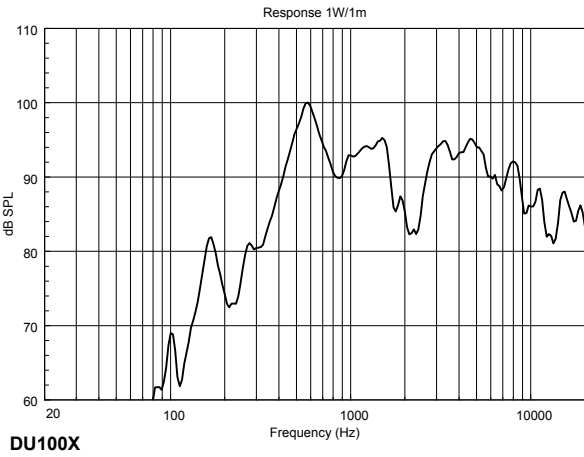
- Woofer 4" wide-band
- 1" coaxial tweeter
- 10/ 20 Watt (RMS/Music Power)
- 100 Hz ÷ 18 kHz
- 103 dB (1 m / POWER MAX) max. SPL
- Incl. 100V transformer multitap
- Easy to install
- Simple power settings

SPECIFICATIONS

Loudspeaker	4" dual cone woofer, 1" tweeter
Power (on 8 Ohm load)	10 / 20 W (RMS / Music power)
Power	10 W - 5 W - 2.5 W - 1.25 W - 0.75 W (100V)
Sensitivity	93 dB (1 W / 1 m)
Mx. SPL (6 W / 1 m)	103 dB(A) (1 m / POWER MAX)
Frequency Response	100 Hz - 12 kHz
Angle of coverage	200° / 130° / 80° @ 1 / 2 / 4 kHz (hor.)
Connector	5 pin terminal strip
Body colour	White RAL 9003
Main body material	Auto-extinguishing high-density polystyrene
Grill material	Steel
Dimensiones (HxWxD)	220 mm x 190 mm x 87 mm
Installation	Screw anchors
Drilling template	120 mm x 142 mm
Net weight	1.1 kg
Operating temperature	-25° to +55°
Relative humidity	90% non condensing

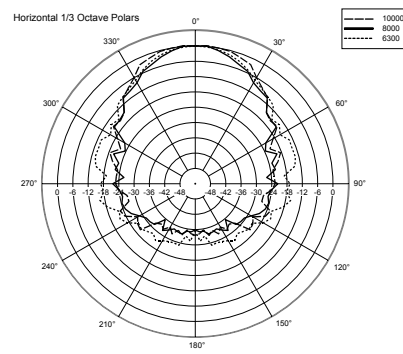
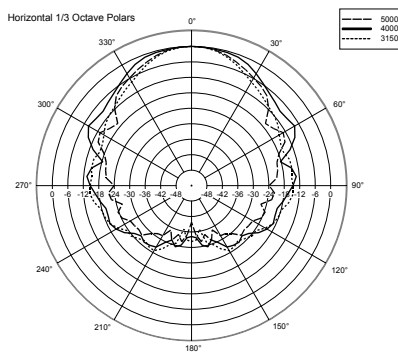
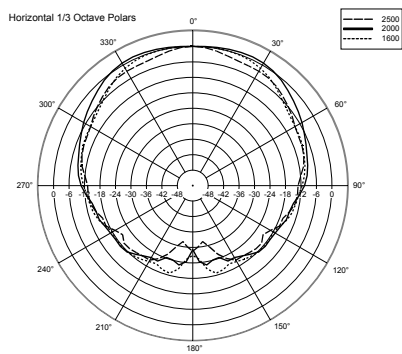
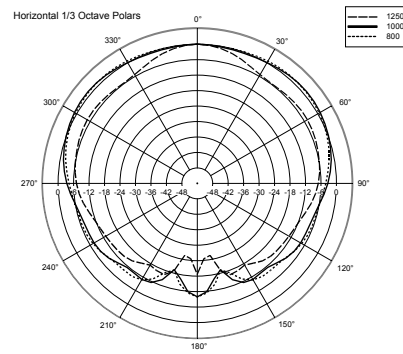
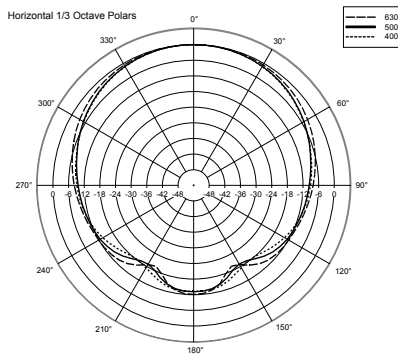
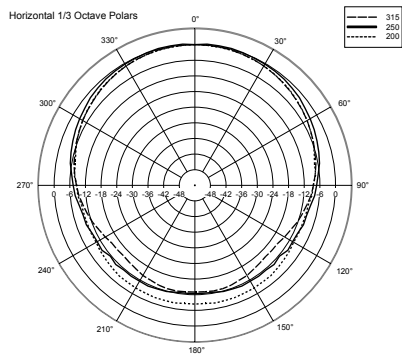


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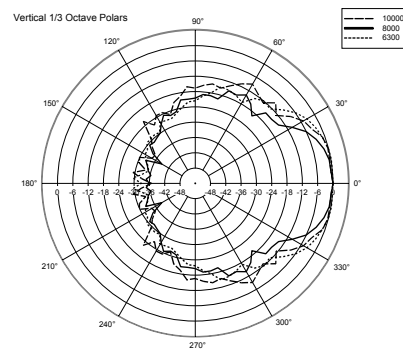
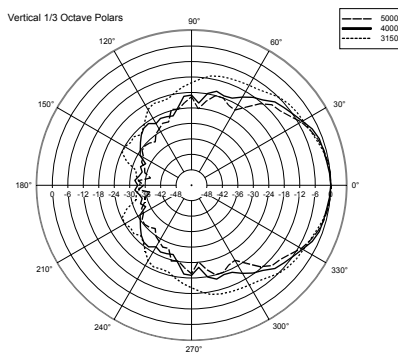
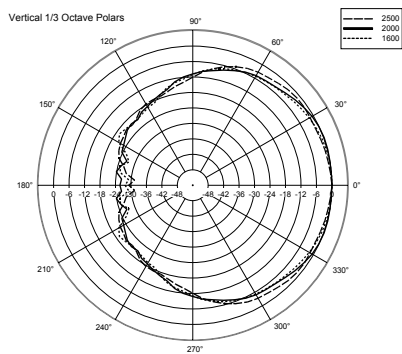
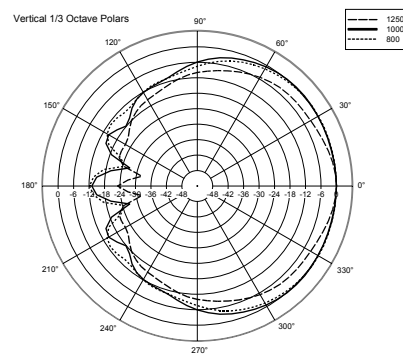
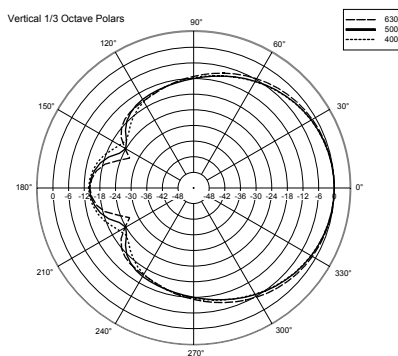
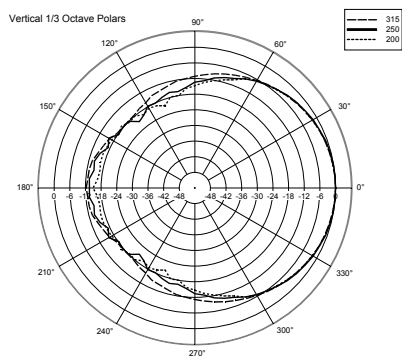


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HORIZONTAL 1/3 POLAR PLOT



VERTICAL 1/3 POLAR PLOT

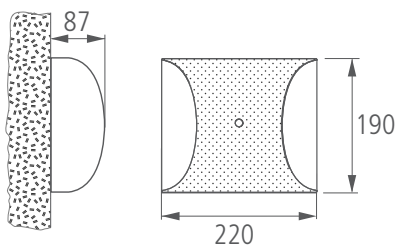


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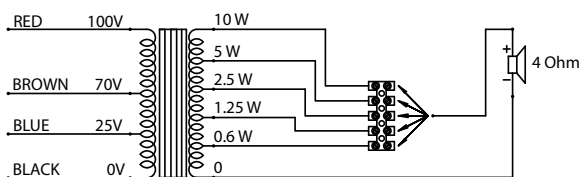
PART NUMBERS

13000105

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 0.6 W – 1.2 W – 2.5 W – 5 W – 10 W) so the correspondence impedance (among 16000 Ω – 8000 Ω - 4000 Ω – 2000 Ω – 1000 Ω)

RCF DU100X

SECONDARY TAPS:
10 W - 5 W - 2.5 W - 1.25 W - 0.6 W
(remove the cover to select)

COLORE	TENSIONE D'INGRESSO
COLOUR	INPUT VOLTAGE
ROSSO / RED	100 V
MARRONE / BROWN	70 V
BLU / BLUE	25 V
NERO / BLACK	com

MADE IN CHINA
CE



CAUTION: INSULATE AND LAY UNCONNECTED WIRES INSIDE THE CASE

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

ACCESSORIES (included)

- Drilling template
- Steel Grill

INSTALLATION NOTES

Use the drilling template (included) on the wall at the loudspeaker installation selected point of the two attachment points that correspond to the two slots. Attach two screw anchors with hooks or nails / screws to the selected points. The electrical connections are clearly labelled and made through screw terminals block.

The power can be easily selected by using common wire and the positive wire using the legend of the power available on the speaker. The DU 100X is intended for indoor installations only.

