

# DP 1420EN

## ALUMINIUM SOUND PROJECTOR



### MAIN APPLICATIONS

- Voice evacuation system
- Schools
- Shopping malls
- Hospital
- Museums
- Hotels
- Office building

### DESCRIPTION

The DP 1420EN sound projector is elegant and suitable for sound distribution in very large environments. These have a cylindrical fire protection steel body and an U bracket support in aluminum for the installation. The projector incorporates a 130 mm (5") loudspeaker. It includes a transformer inside for the connection to (100 – 70 V) constant voltage lines. Thanks to its ceramic termination blocks (capable of withstanding temperatures in excess of 650° C/202 °F), its thermal fuse (threshold: 150 °C/ 302 °F) and its fire-resistant cable, the speaker does not allow fire to move to the audio system.

### MAIN FEATURES

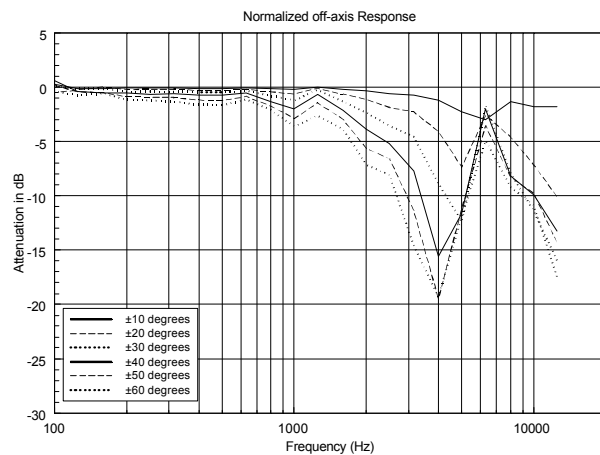
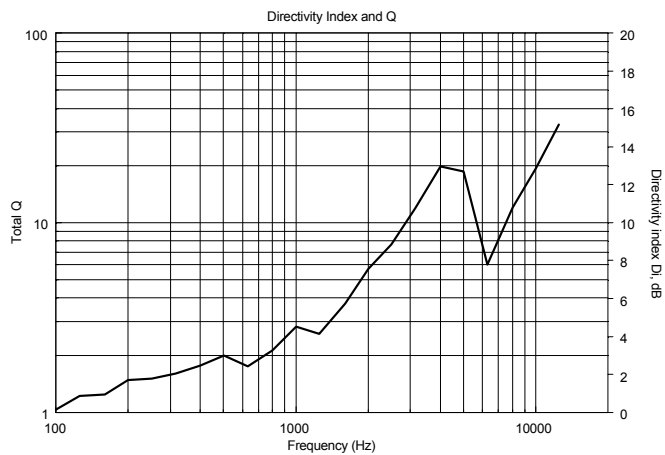
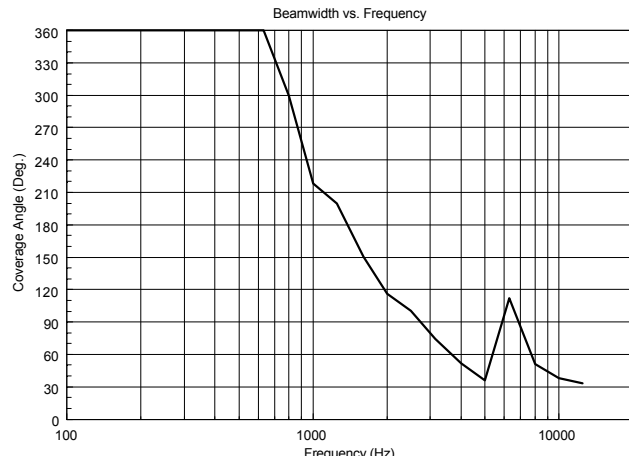
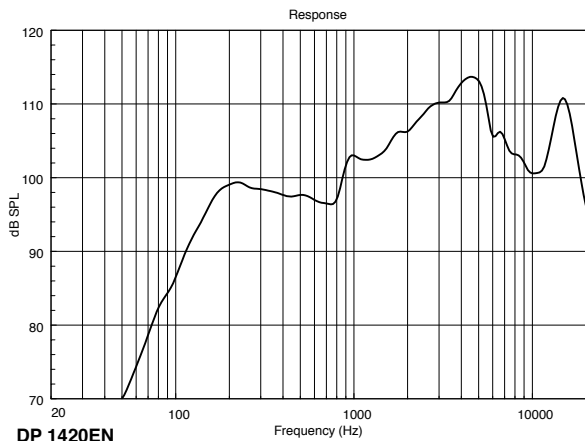
- Unidirectional sound projector characterized by high acoustic performance
- Complying with EN 54-24 standard thanks to ceramic termination block, thermal fuse and internal fire-resistant cable
- IP 66 protection, suitable for outdoor use
- It's ideal for train stations, underground stations, car parks, factories, warehouses, and PA systems in general
- Continuous nominal power: 20/40 W ([100 V]: 20-10-5 W - [70V]: 20-10-5 W)

### SPECIFICATIONS

Loudspeaker	5" extended range
Power (on 8 Ohm load)	20 / 40 W (RMS / Music power)
Power	20 W - 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	150 Hz – 20 kHz
Angle of coverage	160°
Connector	4 conductor cable
Body colour	Light Grey RAL 7035
Main body material	Aluminium
Dimensions	Ø 146 mm x 200 mm
Installation	Aluminium U bracket
Max wall distance	127 mm
Connection cable length	1 meter
Net weight	2.5 kg
Operating temperature	-25° to +55°
Relative humidity	90% non condensing



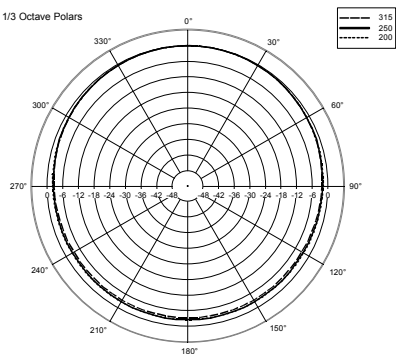
# DP 1420EN



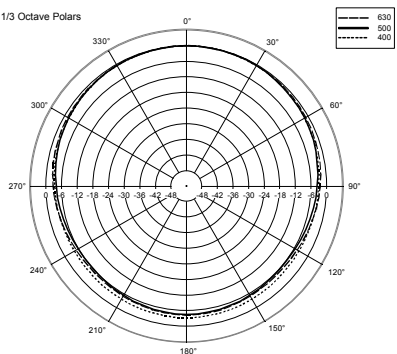
# DP 1420EN

## HORIZONTAL 1/3 POLAR PLOT

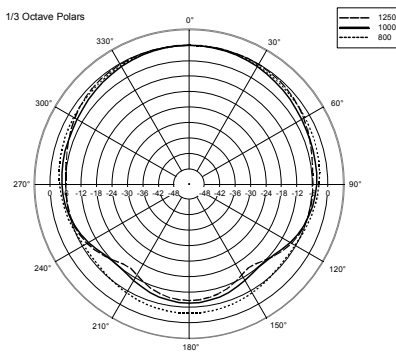
1/3 Octave Polars



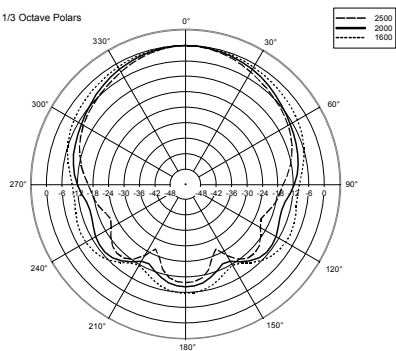
1/3 Octave Polars



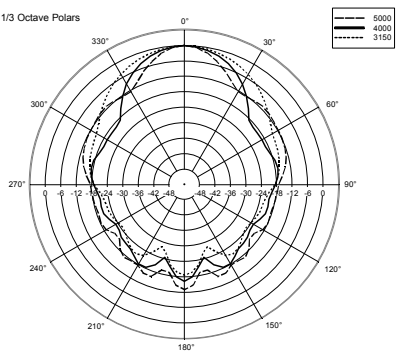
1/3 Octave Polars



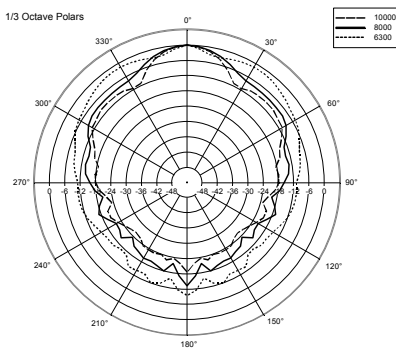
1/3 Octave Polars



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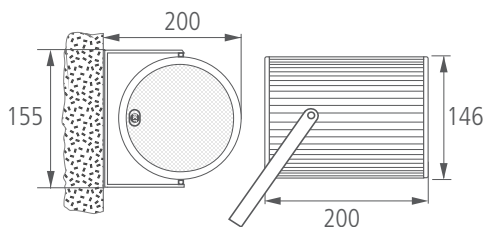


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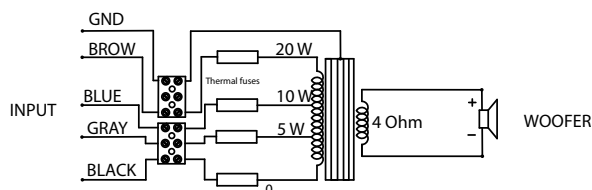
## PART NUMBERS

131.33.071

## DIMENSIONS (All data are in mm)



## SCHEMATICS



## POWER SELECTION

Set the rotary switch to selected the chosen power value referring to the 100 V line (among 5 W - 10 W - 20 W) so the correspondence impedance (among 2000  $\Omega$  - 1000  $\Omega$  - 500  $\Omega$ )

Common wire -		Line wire +		
Black		Brown	Blue	Gray
POWER	100V	20W	10W	5W
	70V	10W	5W	2.5W
Impedance		500 $\Omega$	1k $\Omega$	2k $\Omega$

## CERTIFICATIONS AND APPROVALS

- EN 54-24:2008 compliant

## ACCESSORIES (included)

- U bracket and accessories

## INSTALLATION NOTES

Ensure the support surface (walls, ceilings, etc.) has the necessary mechanical characteristics to support the weight of the loudspeaker.

Make connections as described in the dedicated manual section. Mount the loudspeaker to the wall / ceiling through the 7 mm holes present on its mounting bracket. Point the loudspeaker to the listening area and fix its position by tightening the two bolts of its mounting bracket.

DP 1420EN can be installed both indoors and outdoors.

