

DP 1420BS

ALUMINIUM SOUND PROJECTOR



MAIN APPLICATIONS

- Voice evacuation system
- Industrial environments
- Supermarkets
- Pools
- Warehouses
- Parking
- Train stations
- Underground stations
- Department stores

DESCRIPTION

The DP 1420BS sound projector are elegant and suitable for sound distribution in very large environments.

These have a cylindrical fire protection steel body and an U bracket support in aluminium 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.

When connected to a 100 V line, its power can be selected among the values 20 W, 10 W or 5 W through the selection 4 inputs wire.

MAIN FEATURES

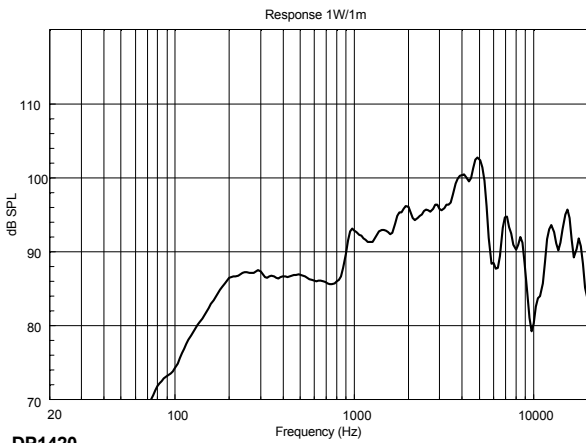
- Woofer 5" wide-band
- 20 / 40 Watt (RMS/Music Power)
- 150 Hz ÷ 20 kHz
- 104 dB (1 m / POWER MAX) max. SPL
- Incl. 100V transformer multitap
- Fire protection steel body
- Ceramic terminal blocks
- Internal thermal fuse
- Easy to install
- Simple power settings
- Simple power settings

SPECIFICATIONS

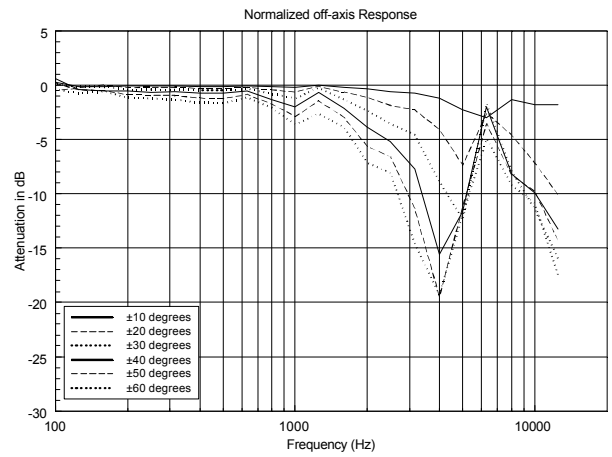
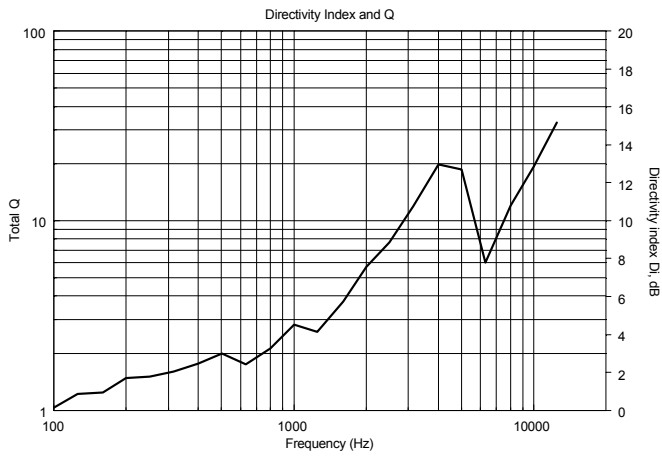
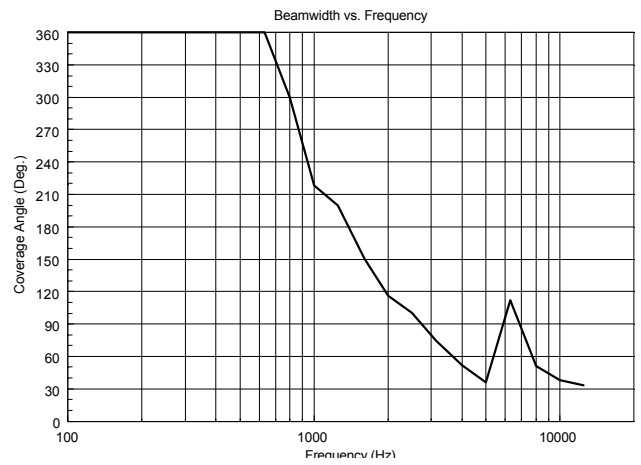
Loudspeaker	5" extended range
Power (on 8 Ohm load)	20 / 40 W (RMS / Music power)
Power	20 W - 10 W - 5 W (100V)
Sensitivity	91 dB (1 W / 1 m)
Mx. SPL (6 W / 1 m)	104 dB(A) (1 m / POWER MAX)
Frequency Response	150 Hz – 20 kHz
Angle of coverage	210° / 110° / 50° @ 1 / 2 / 4 kHz (hor.)
Connector	4 conductor cable
Body colour	Light Grey RAL 7035
Main body material	Aluminium
Dimensiones	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 1420BS



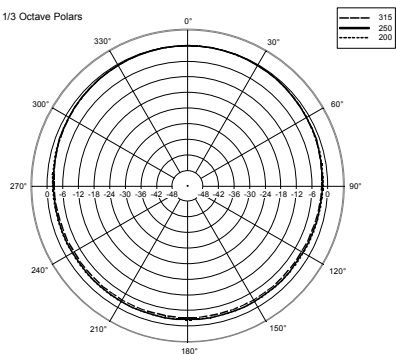
DP1420



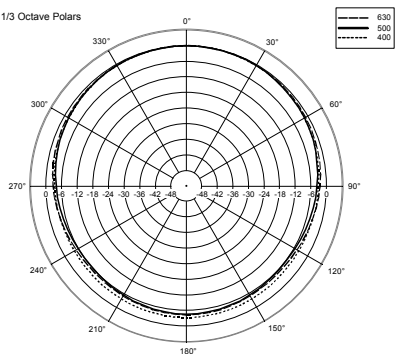
DP 1420BS

HORIZONTAL 1/3 POLAR PLOT

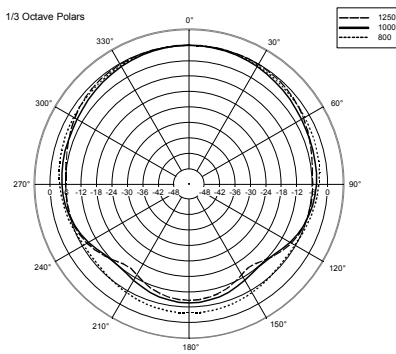
1/3 Octave Polars



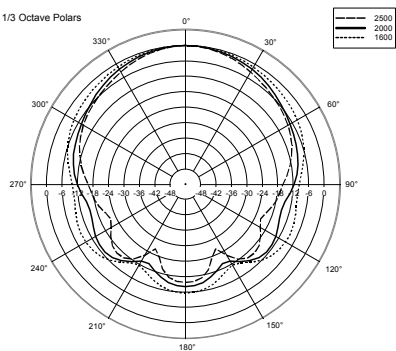
1/3 Octave Polars



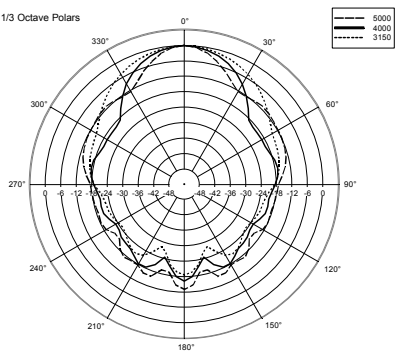
1/3 Octave Polars



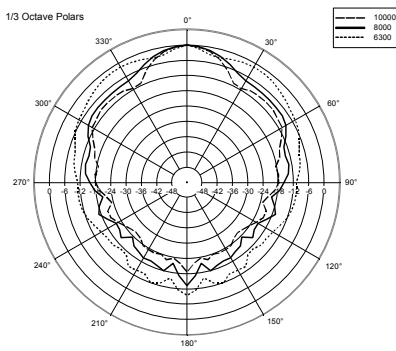
1/3 Octave Polars



1/3 Octave Polars



1/3 Octave Polars

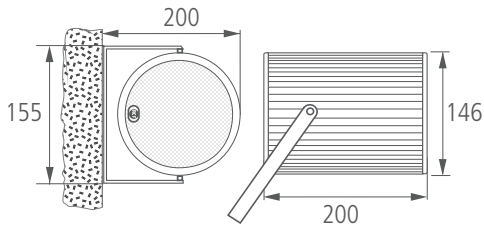


DP 1420BS

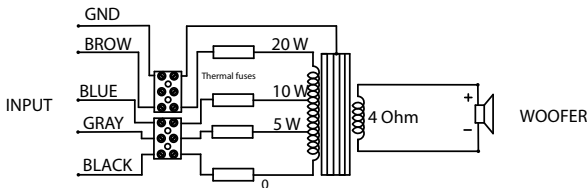
PART NUMBERS

13133058

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 Ω - 1000 Ω - 500 Ω)

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

CERTIFICATIONS AND APPROVALS

- CE comply with European Community Directive 73/23/EEC and 93/768/EEC
- Self-Extinguishing plastic according to UL 94V0
- Environmental protection IP 66 homologation
- Speaker data according to IEC 268-5
- Safety according to IEC EN 60065:2002
- Compliant to BS5839 part 8. (British standards for voice alarm systems).

ACCESSORIES (included)

- U bracket and accessories
- Ground connection
- Steel Grill

INSTALLATION NOTES

Installation of the DP 1420BS is quick thanks to the unique bracket connect to the speaker with two bolts.

Connections to the loudspeaker line are made by using the four wire cable (1 meter length) coming out from the loudspeaker rear side.

The enclosure is constructed of extremely sturdy body in extruded Aluminium with robust steel grill.

The DP 1420BS is intended for both indoor and outdoor installations..

