

EN54 SOUND PROJECTOR SPEAKER

- 20W 100V LOUDSPEAKER
- SIZE 5.0" (130MM)
- U-BRACKET MOUNTING
- ROBUST ABS PLASTIC HOUSING
- WEATHERPROOF TO IP56
- EXCELLENT SOUND QUALITY
- FULLY CERTIFIED TO EN54-24



OVERVIEW

The SPPR-P-20W-50-EN54 is a 20W 100V sound projector loudspeaker which has a 5" (130mm) full-range chassis providing excellent sound quality with speech and background music, and which is certified to EN54-24. The speaker is fitted with a 100V transformer which has four power adjustment tapings of 20W, 10W, 5W and 2.5W.

The SPPR-P-20W-50-EN54 has a robust impact resistant white ABS housing, which is sealed to the IP56 environmental standard. Thus, the speaker is impervious to any objects of above 1mm diameter, is protected against the ingress of dust and is sealed against high pressure water jets.

Mounting of the speaker is provided using a steel 'U' bracket, which provides a number of flexible mounting options. The 100V loudspeaker line connection is provided via a 900mm two core LSZH cable, which is terminated with an IP65 ingress protection rated connection box. In order to provide increased fire protection, the speaker is also fitted with a 2-pin ceramic block and a thermal fuse, while the speaker chassis is also damp-resistant. There is also a strap-on mast bracket available as an accessory, part number SPAC-MB-80. This mast bracket is suitable for use with masts of up to 200mm diameter.

This loudspeaker is optionally available with a DC blocking capacitor fitted, in order to provide compatibility with DC loudspeaker line monitoring systems. The part number for this DC monitoring compatible version is SPPR-P-20W-50-EN54-DC.

EASE data is available for this speaker on request.

TECHNICAL DATA

Power Tappings 20W / 10W / 5W / 2.5W

Frequency Range 120 – 21,000 Hz

Frequency Response 150 – 20,000 Hz

SPL 1W / 1m, peak 99.5 dB

SPL 1W / 4m, peak 83.7 dB

SPL Pmax / 4m, peak 96.7 dB

Sensitivity EN54-24, 1W/4m 75.0 dB

Dispersion (-6dB, 500Hz) 360°

Dispersion (-6dB, 1KHz) 252°

Dispersion (-6dB, 2KHz) 110°

Dispersion (-6dB, 4KHz) 58°

Temperature range -20 / +90 °C

Dimensions 145 x 222 mm

Weight (net) 1.45 kg

Colour White

Connector Ceramic block

Mounting 'U' Mounting bracket

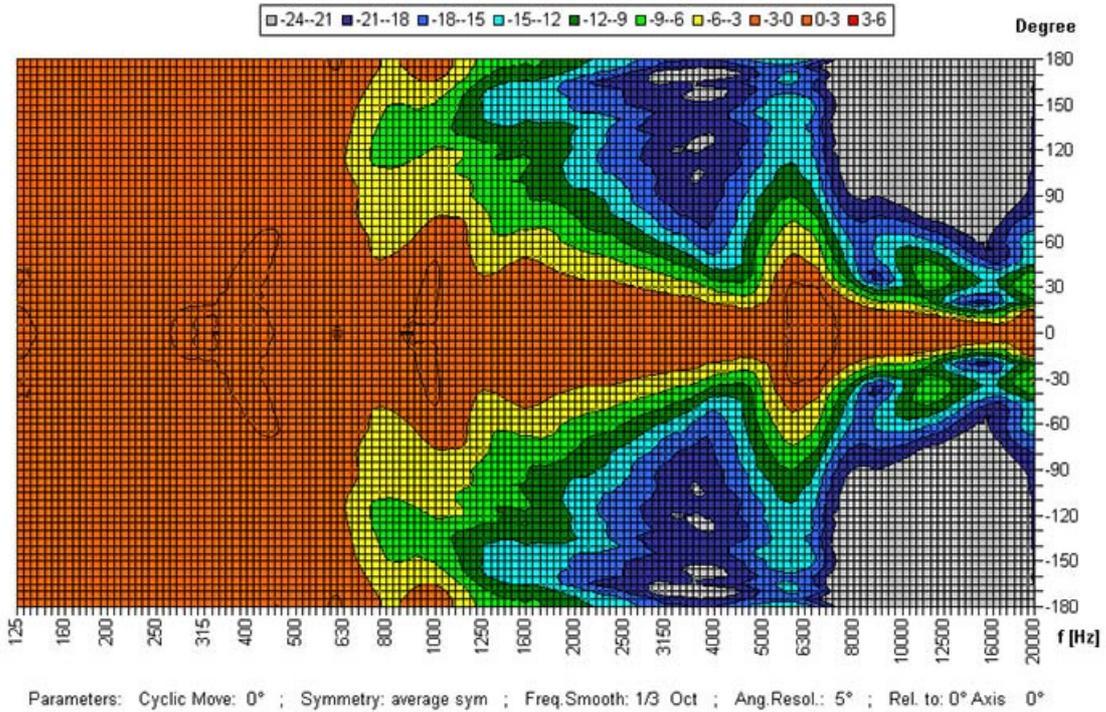
IP Rating IP56

Maximum cable cross section 8mm²

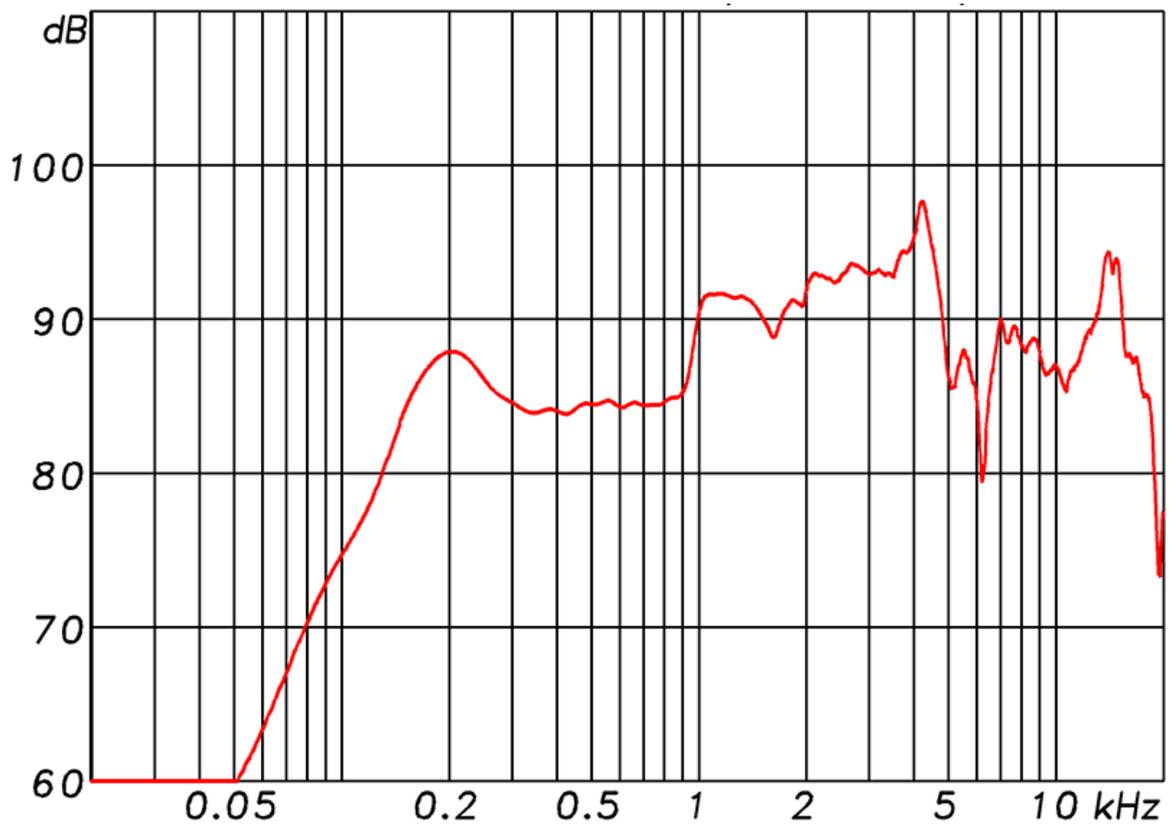
Maximum cable cross section loop 2 x 2mm²

Packing Unit 8

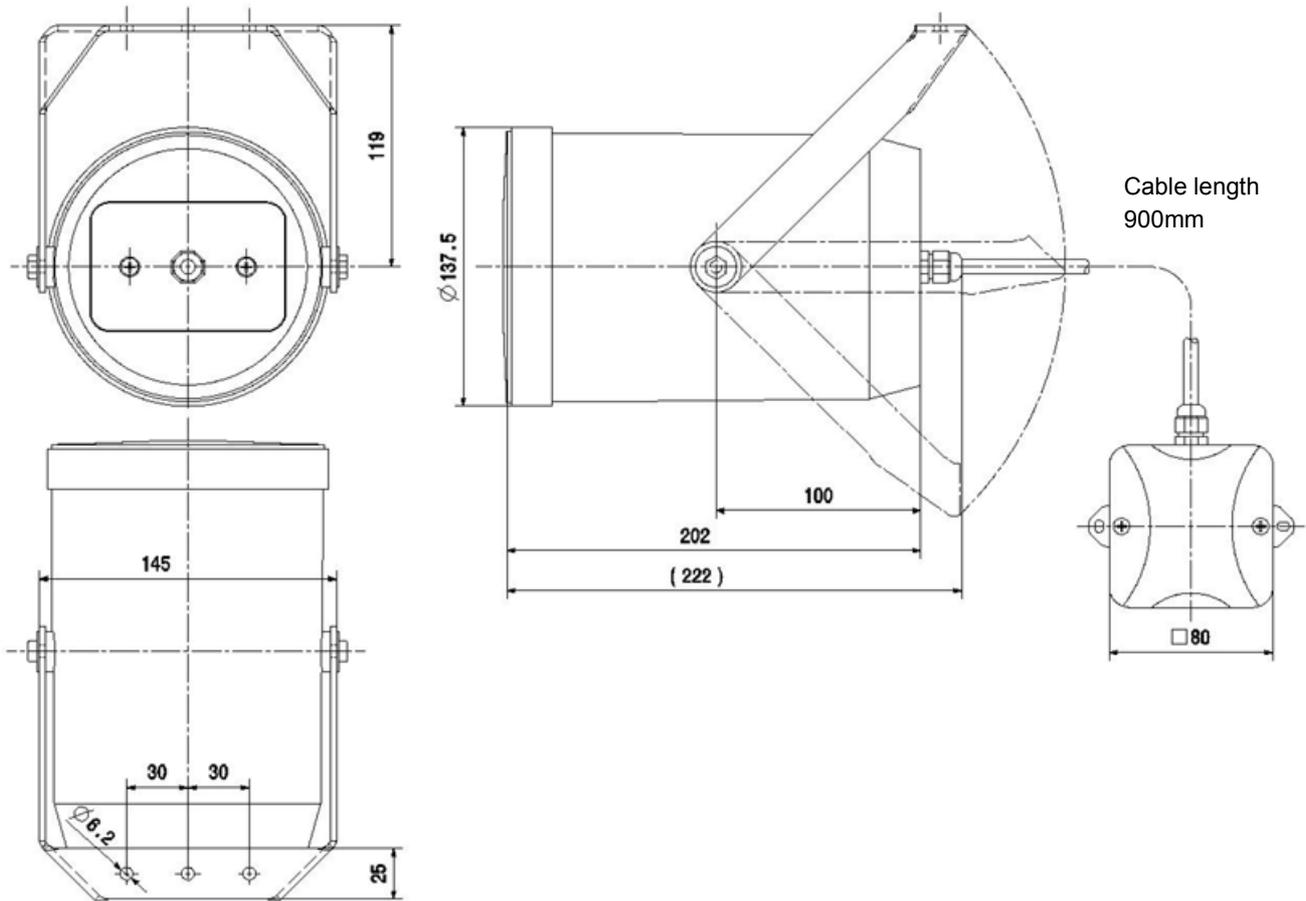
POLAR DIAGRAM



FREQUENCY RESPONSE DIAGRAM



DIMENSIONAL DIAGRAM



Measurements according to DIN IEC 268-5

RoHS complaint (2011/65/EU)

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