

EN54 COLUMN SPEAKER

- 20W 100V LOUDSPEAKER
- LENGTH 20" (500MM)
- SWIVEL-BRACKET MOUNTING
- ALUMINIUM HOUSING
- WEATHERPROOF TO IP66
- HIGH SOUND QUALITY
- FULLY CERTIFIED TO EN54-24



OVERVIEW

The SPCO-20W-200-EN54 is a 20W 100V column loudspeaker, which has four 3" (77mm) full-range loudspeaker chassis providing high 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, 15W, 10W and 5W.

The SPCO-20W-200-EN54 has a powder coated shock-resistant metal chassis and grille, with the high quality powder coated finish giving good long-term protection and resistance to corrosion. The enclosure uses PG9 cable glands and is sealed to the IP66 environmental standard. Thus the speaker is protected against the ingress of dust, and is sealed against high-pressure water jets. As standard the speaker is coloured to match RAL9006 'White Aluminium', however the speakers can be supplied in any four-digit RAL or NCS colour, as a special order.

The speaker is mounted using a multi-direction swivel bracket, which provides great flexibility in the orientation of the speaker relative to its mounting location. The 100V loudspeaker line cabling is connected by means of a two-pin ceramic block, and for additional reliability a thermal fuse is provided and the speaker chassis is damp-resistant.

The 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 SPCO-20W-200-EN54-DC.

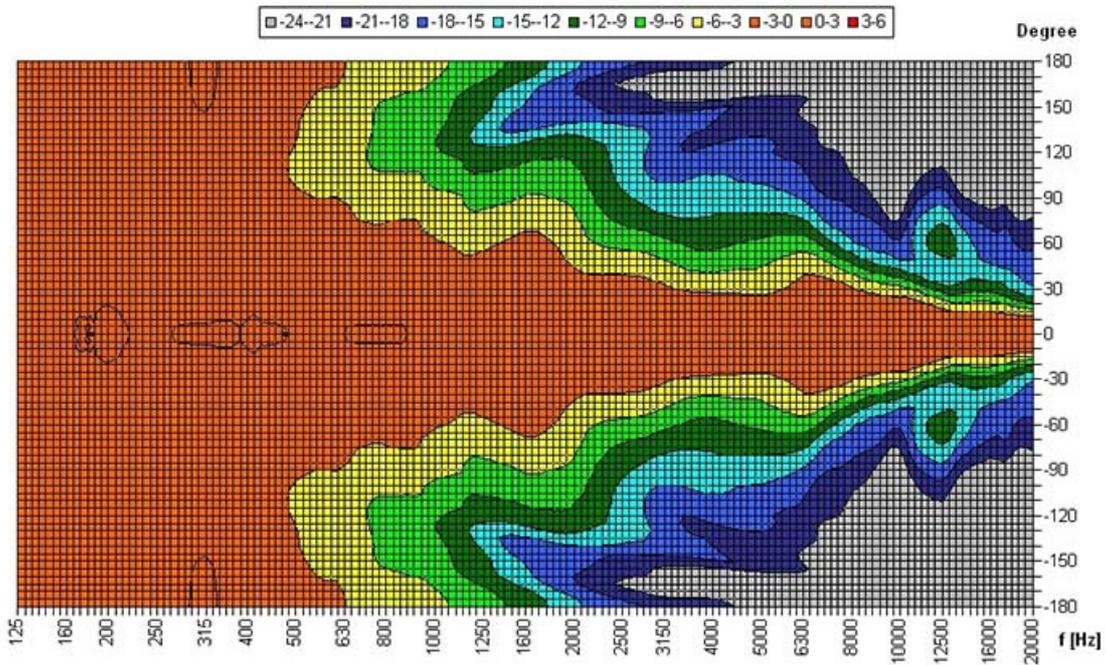
EASE data is available for this speaker on request.

PRODUCT ATTRIBUTES

Power Tappings	20W / 15W / 10W / 5W
Frequency Range	217 – 16,900 Hz
Frequency Response	147 – 23,500 Hz
SPL 1W / 1m, peak	100.3 dB
SPL 1W / 4m, peak	88.3 dB
SPL Pmax / 4m, peak	101.3 dB
Sensitivity EN54-24, 1W / 4m	80.5 dB
Dispersion (-6dB, 500Hz)	360° (horizontal) 124° (vertical)
Dispersion (-6dB, 1KHz)	188° (horizontal) 65° (vertical)
Dispersion (-6dB, 2KHz)	149° (horizontal) 38° (vertical)
Dispersion (-6dB, 4KHz)	86° (horizontal) 14° (vertical)
Temperature Range	-20 / +90°C
Dimensions	510 x 100 x 92 mm
Weight (net)	2.80 kg
Colour	RAL9006 'White Aluminium'
Connector	2-pin ceramic block
Mounting	Swivel bracket
IP Rating	IP66
Packing Unit	1
Maximum cable cross section	8 mm ²
Maximum cable cross section loop	2 x 2 mm ²

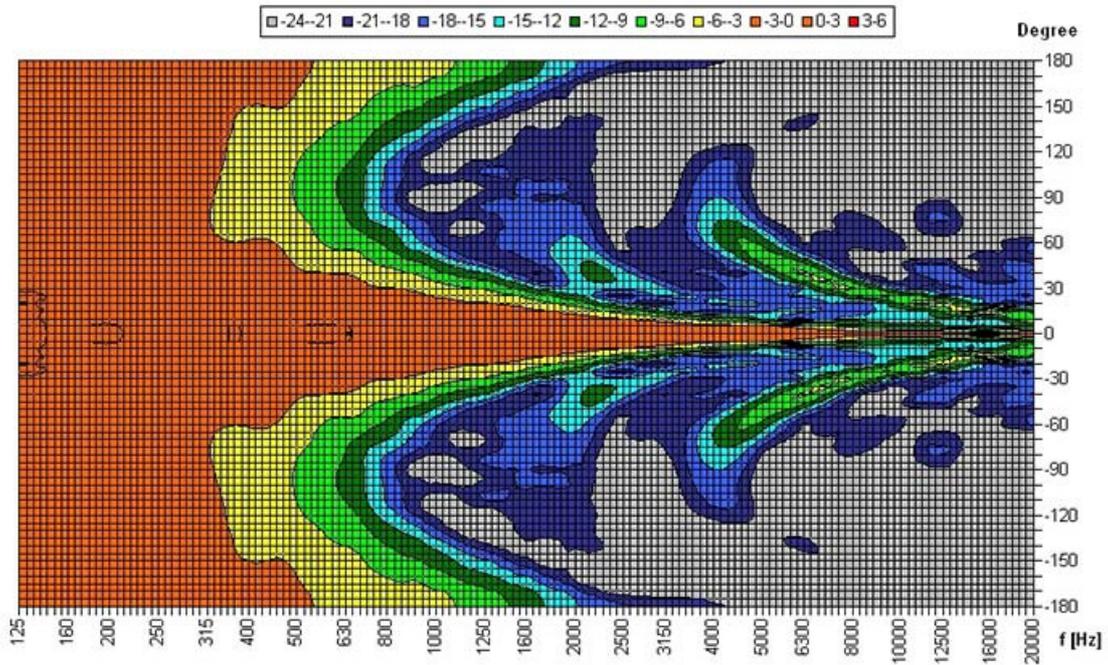
POLAR DIAGRAM

Horizontal Isobars



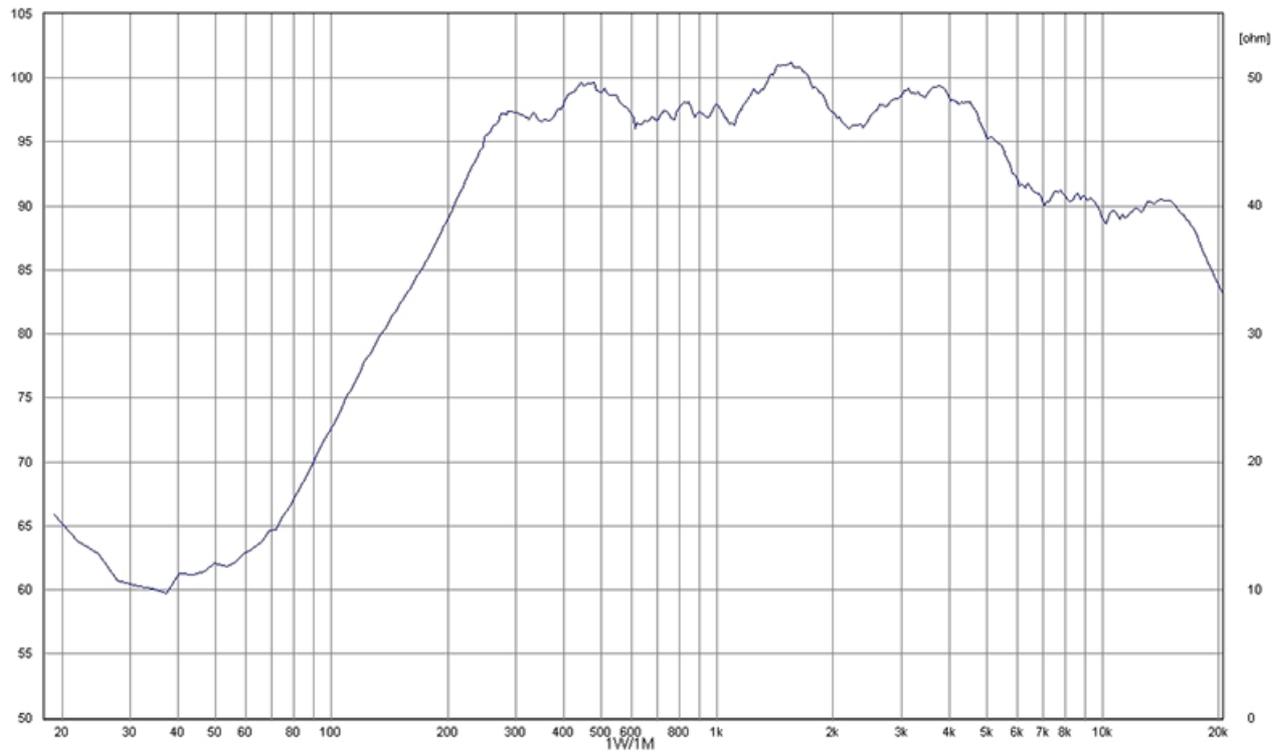
Parameters: Cyclic Move: 0° ; Symmetry: average sym ; Freq.Smooth: 1/3 Oct ; Ang.Resol.: 5° ; Rel. to: 0° Axis 0°

Vertical Isobars

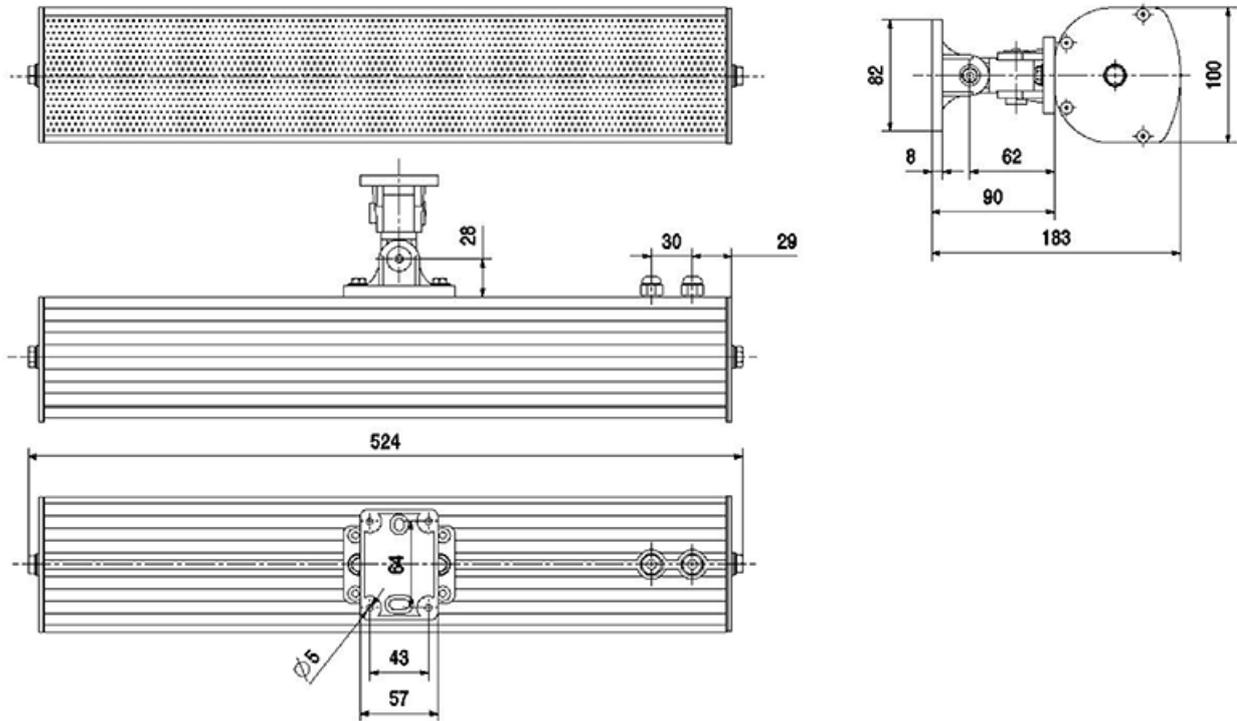


Parameters: Cyclic Move: 0° ; Symmetry: average sym ; Freq.Smooth: 1/3 Oct ; Ang.Resol.: 5° ; Rel. to: 0° Axis 0°

FREQUENCY RESPONSE DIAGRAM



DIMENSIONAL DIAGRAM



Measurements according to DIN IEC 268-5

RoHS complaint (2011/65/EU)

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