

DS 100/T plus-EN54



- Waveguide Technology
- 2-Way Bass reflex
- IP65



EN 54-24:2008
Ref. Nr.: 021-09
ID-Code: SAA-LS26
1438-CPR-xxxx

ic audio GmbH, Boehringerstraße 14a,
D-68307 Mannheim, Germany

CE-Symbol gemäß Richtlinie 93/68EWG

The DS 100/T plus-EN54 is the compact powerhouse of our PRO series, with specially developed waveguide technology. Whether sports venues, exhibition halls or stages - the DS-100/T plus-EN54 offers a club atmosphere through an exceptional sound experience with excellent speech intelligibility, certified according to EN54-24.

The attractive design in an impact-resistant ABS housing with an aluminium grille is available in white. The 100W speaker is equipped with two 4" performance mid-bass woofers, a 2-way bass reflex system and a high-performance tweeter including waveguide in D'Appolito arrangement.

A tweeter switch provides a 4dB boost for possible sound correction in near-wall and near-ceiling installations. The loudspeaker offers 4 different 100V power adjustments, and low-impedance operation is also possible.

The loudspeaker is weatherproof with IP 65 protection rating. A sturdy aluminium bracket ensures flexible mounting, indoors as well as outdoors. The connection is made via screw terminals for cable cross-sections up to 4 mm², and the feed line into the enclosure via a PG11 cable gland in the cover plate.

This loudspeaker is also available as a professional line array.

Technical Data (Electrical)

Description	DS 100/T plus-EN54
Power	100/50/25/12,5 W
Impedance (100V)	100/200/400/800 or 1x4 ohm
Frequency Range	54-20.500 Hz
Frequency Response	49-22.000 Hz
SPL EN54-24, Pmax/4m	92,5 dB
Sensitivity EN54-24, 1W/4m	77 dB
Sensitivity EN54-24, 1W/1m	89 dB
Dispersion -6dB, 500Hz	182° (h) 224° (v)
Dispersion -6dB, 1KHz	78° (h) 140° (v)
Dispersion -6dB, 2KHz	82° (h) 130° (v)
Dispersion -6dB, 4KHz	175° (h) 74° (v)
Dispersion -6dB, 8KHz	97° (h) / 1x unit 30° (v) / 2x unit 22° (v) 3x unit 14° (v) / 4x unit 7° (v) / @0°

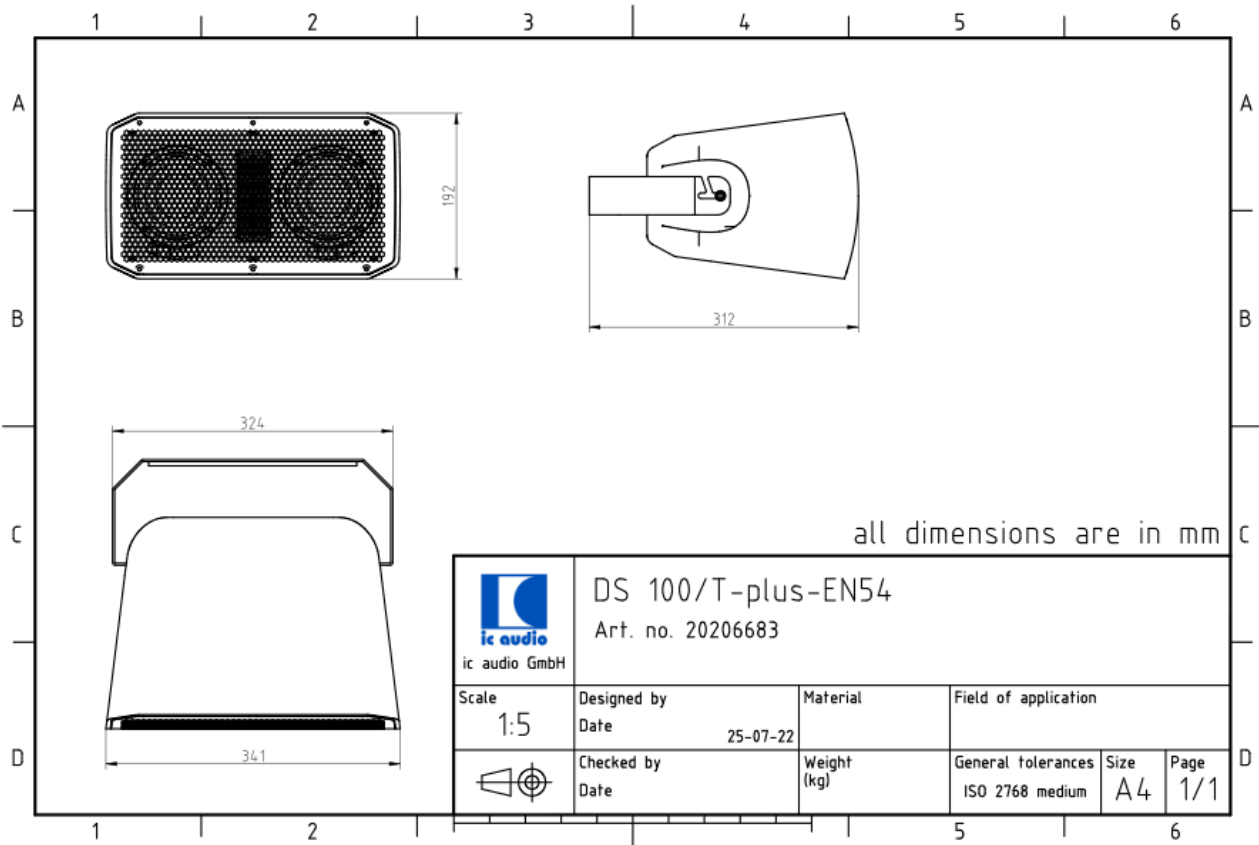
Technical Data (Mechanical)

Dimensions	341x245x192mm
IP Rating	IP65
Weight (net)	6,5 kg
Temperature range	-25 / +70 °C
Mounting	Mounting bracket
Connector	Screw terminal
Terminal diameter	2,3 mm
Maximum cable cross section	4 mm ²
Colour	white

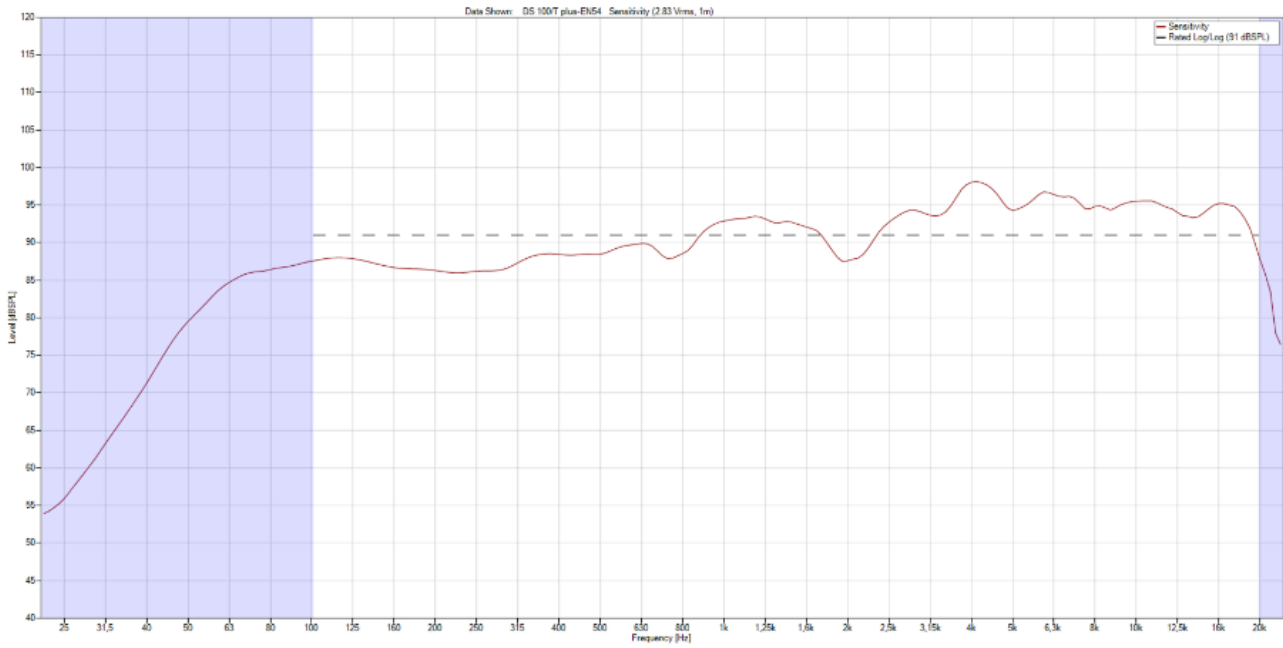
Product Attributes



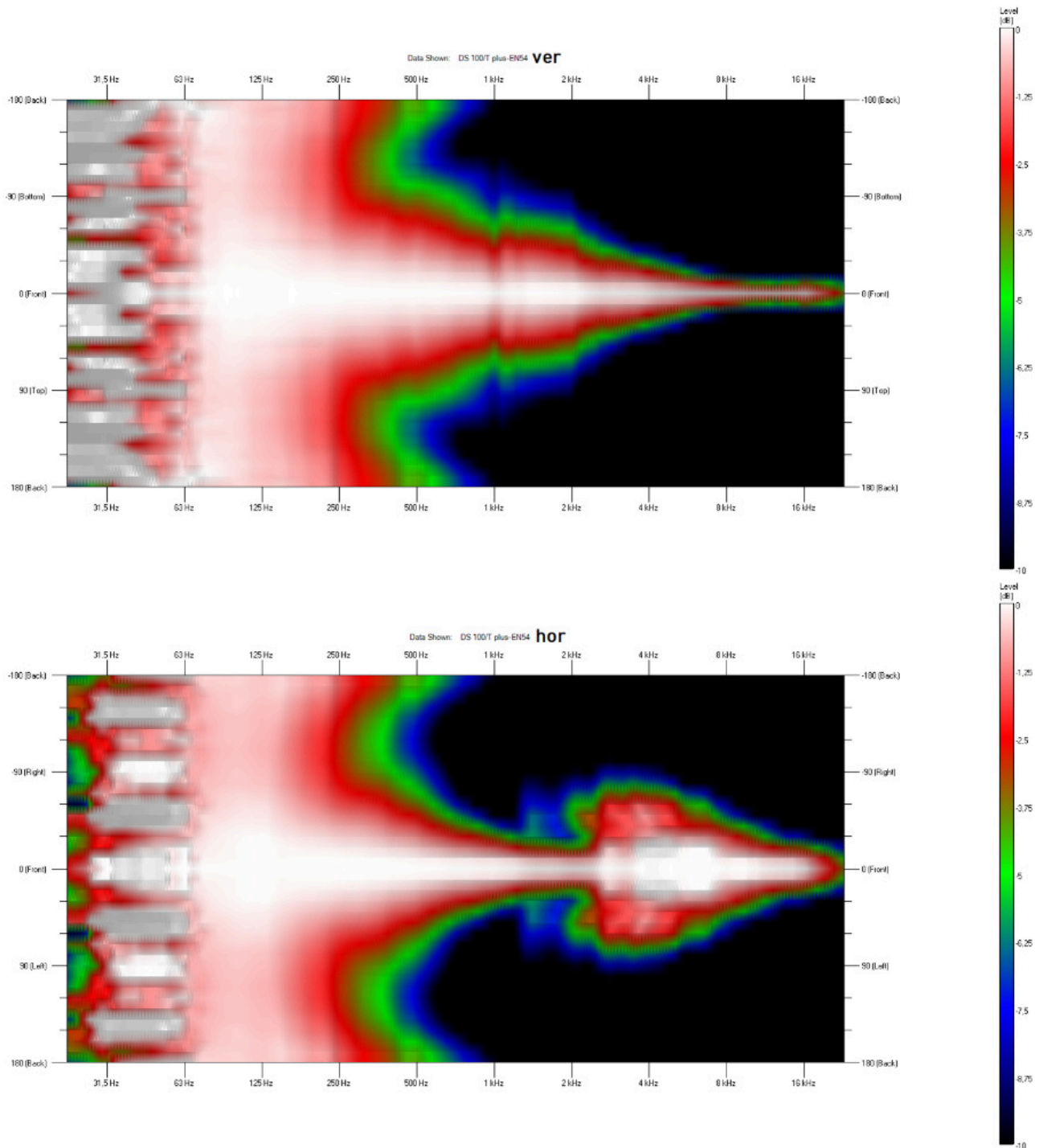
Technical Diagrams



Frequency Response Diagrams



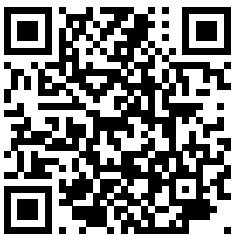
Polar Diagrams



ic audio loudspeakers are tested and classified according to the IEC standard 60529 (degree of protection by enclosure) against the penetration of foreign objects and moisture. The classification is conforming to standards through characterization with a fixed code. This code consists of the letters IP (International Protection) followed by two digits. The first digit indicates the degree of protection against dust and the second digit the degree of protection against water. Please note that the testing of the products has been carried out in laboratory conditions which are not always 100% comparable with the conditions of different installation environments. This protection can be reduced due to normal wear and tear depending on the installation environment.

RoHS compliant (2011/65/EU)

The IP rating specified is based on ic audio test results, not on CNBOP-PIB test results. Certification only verifies the minimum requirements for EN54-24 compliance.



Article Nr.: 20206683

Packing Unit: 1

