

JERN14 DS

Made in Denmark

The JERN14 DS is the new revolutionary compact loudspeaker from Jern ApS. The shape of the cabinet is elegant and it delivers better audio sound quality than any other loudspeaker cabinets.

The key to its superior sound are the rounded shape, the components and the chosen materials.

Danish design

We choose sound damping cast iron for the cabinet. Iron makes it possible for our engineers to make new round organic shapes. The shape and the material both increase the sound quality and enhance the beauty of JERN14 DS.

The spherical shape gives the smoothest frequency response, and the lowest amount of diffraction sounds disturbing the music.

This has been known for many years, see page 23 of PhD Harry F. Olsons book "Elements of Acoustical Engineering" from 1957 on the opposite page.

However you need advanced tools and many years of experience to make our cabinet of cast iron.

Technical details

The JERN14 DS uses the latest Scanspeak 5,5" (101 mm cone) woofer-midrange, which goes up to 9 kHz \pm 2 dB and the classical 3/4" (19 mm dome) Scanspeak tweeter.

The crossover is 6 dB per octave phase linear, with a Mundorf capacitor and coil.

The impedance is 8 Ohms, minimum of 6,4 Ohms.

The sensitivity is 88 dB at 2,83 V 1 meter.

The frequency response is 90 Hz to 20.000 Hz - 6 dB.

Advantages in use

An easy load for amplifiers from 20 - 200 Watt in 8 Ohm.

The cabinet is a closed box, so the bass response falls slowly by 12 dB per octave below 100 Hz.

That makes the integration with one or more subwoofers easy. We recommend closed box subwoofers.

The REL T/5i works very well with our cast iron base.



There is no bass reflex port. Therefore no port noise disturbs your music.

The cabinet is made from cast iron, which has a lifetime of more than 200 years.

Cast iron has been recycled many times for centuries, from canons to bridges and now to loudspeakers.

Standard colours are Nordic Black, Casting Grey, Polar White and Danish Red. Other colours are available for an extended price.

Other versions: 12 WP, 14 EP, 14 ES, 15 PS, 15 PH, and 16 AH.

More on www.jernspeakers.com and on facebook [jernspeakers](https://www.facebook.com/jernspeakers)

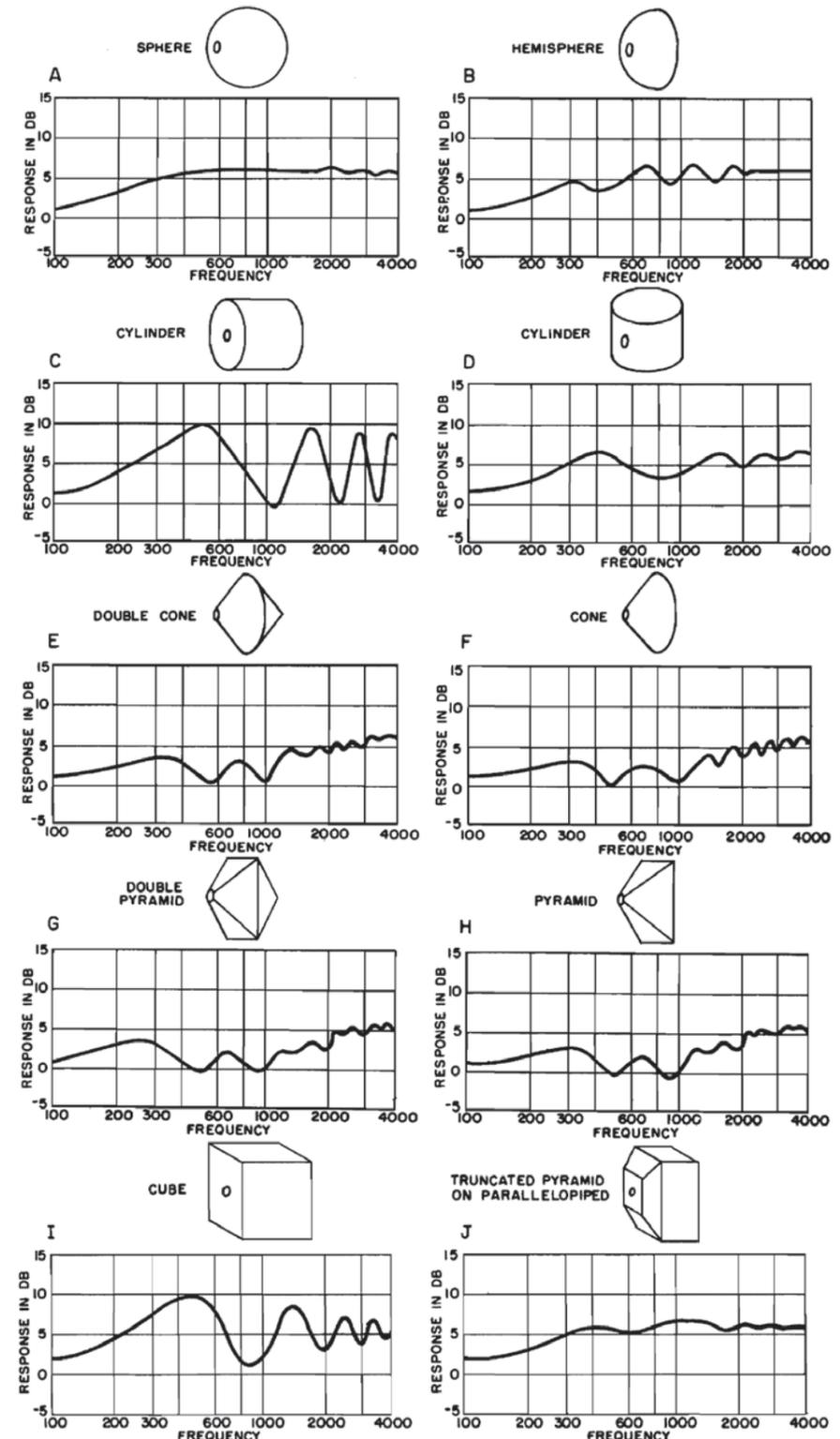


FIG. 1.10. Response frequency characteristics depicting the diffraction of sound by ten objects of different shapes. The dimensions of the objects are given in Fig. 1.9.

for enclosures of other dimensions can be obtained by multiplying the ratio of the linear dimensions of the enclosure of Fig. 1.9 to the linear dimension of the enclosure under consideration by the frequency of Fig. 1.10.