

1922 – Magnavox R3

The Loudspeaker

Categoria/Category: Altifalante eletrodinâmico

Electrodynamic Loudspeaker

Fabricante / Maker: *Magnavox Co., Commercial Wireless and Development Co., USA.*

Modelo / Model: *Magnavox R-3*

Princípio / Principle: *Corneta / Horn.*

Formato / Shape: *Modelo de mesa / Tablemodel.*

Motor / Driver: *Magneto permanent, mobile coil and transformer.*

Materiais / Materials: *aluminum, wood, steel and brass.*

Produzido / Produced: *1922.*

Dimensões / Dimensions: *356 x 711 x 260 mm.*

Peso: / Weight: *5 kg.*

Impedância / Impedance: *coil 5Ω transformer 680 Ω.*



Magnavox R3 foi dos primeiros altifalantes dinâmicos a serem comercializados / *Magnavox R3 was one of the first dynamic loudspeakers to be commercialized*

História / History:

1. In 1886, the Danish Peter Lauritz Jensen (1886-1961) was born and would play a fundamental role in the development of the dynamic or moving coil loudspeaker. The first experimental moving-coil loudspeaker was invented by Oliver Lodge (1851-1940) in 1898.
2. Jensen, as a young engineer, worked for Poulsen but came to the USA to install Poulsen's continuous wave emitters and where he ended up meeting Edwin S. Pridham (1881-1963).
3. In 1909, Jensen resigned from Poulsen's company now called the Federal Telegraph Co. In 1915, Jensen and Pridham designed their first moving coil acoustic transducer, although the principle was already known and patented by Siemens, but the improvements introduced ended up being patented. With the addition of an Edison horn they produced a much stronger sound than was previously known. They built an innovative sound system capable of reproducing sound with the power of 25 W that they called Magnavox.
4. In August 1917 Jensen and Pridham formed "The Magnavox Company" in Napa, USA.
5. In 1920, Jensen and Pridham filed a patent for the electrodynamic loudspeaker. In 1924, Magnavox began producing a specially designed "A" tube, a year later radio production began.
6. In 1925, Chester W. Rice (1888-1951) and Edward W. Kellogg (1883-1960) of General Electric presented the basic principle of the direct radiator loudspeaker with a small diaphragm driven by a moving coil immersed in a field. continuous magnetic field.
7. In 1925, Jensen left the company and founded Jensen Radio Mfg. in 1927. He moved it to Chicago and produced the first permanent magnet speaker. On February 20, 1930, Magnavox Company Ltd. was formed under the laws of Delaware as a holding company to acquire shares of The Magnavox Company (an Arizona corporation) and also to acquire shares of Amrad Corporation.
8. On September 3, 1942, Magnavox Company Ltd. changed its name (again) to The Magnavox Company.
9. In 1953 Jensen was knighted by the King of Denmark.
10. In 1974, the Dutch company Philips N.V. made a takeover bid for Magnavox through its US affiliate Philips Corp. In 1975, the company's merger with the North American Philips, which already held the majority of Magnavox's capital, was approved.