PRESS RELEASE 2024

LAVOCE ADDS 15” TO CSF RANGE OF FERRITE COMMON HF/LF MAGNET COAXIALS

POTENZA PICENA, January 2024 – Lavoce Italiana, the transducer company with a heritage of over 35 years designing and manufacturing high performance HF and LF loudspeaker transducers, are excited to present CSF153.00K, a new 15” ferrite common HF/LF magnet coaxial.

CSF153.00K has a 700W Program power handling and 98dB sensitivity for the LF and 120W Program power handling and 108dB sensitivity for the HF. The LF woofer uses a 3” edgewound copper voice coil on a glass fiber former and the Polyimide diaphragm and surround employed for the HF uses a 1.75” edgewound copper-clad aluminium voice coil on a Kapton former. This combination offers a wide frequency range of 50-20000Hz with low harmonic and intermodulation distortion due to the addition of double demodulating rings.

As will all the five models in the current CSF range (6.5”, 8”, 10”, 12” and now 15”) each design uses component parts from LAVOCE’s industry-leading range of compression drivers and feature a single ferrite magnet, low distortion ‘dual gap’ motor. This motor is designed using an advanced linear modelling technique which enables the review of a finite element electromagnetic model (2D-axi) of the dual gap motor to optimize symmetry in Bl(x), to linearize Le(x) and to minimize parasitic effects and reluctance force on the LF voice coil. This common HF/LF magnet coaxial development brings the LF and HF voice coils in closer unification than traditional coaxial designs to better combine their acoustic centres for improved coherency, dispersion, and alignment optimization, creating high-performance and cost-attractive solutions for compact portable or install systems to high-performance stage monitors and larger install systems.

Kevin Shove, International Sales Director, commented, ‘The market for common HF/LF magnet coaxials is still strong for us as our OEM partners find innovative ways to maximise this technology in compact audio solutions. By using our advanced development tools and resources on these unassuming steel basket and ferrite magnet coaxial designs, we have been able to offer a premium performance line-up with very interesting price points, which is always a welcome combination for our customers.’

For all enquiries please contact: sales@lavocespeakers.com

Visit LAVOCE ITALIANA at www.lavocespeakers.com

Lavoce Italiana designs and manufactures industry leading HF and LF transducers for global Professional Audio and MI manufacturers and distributors. Its Italian R&D Center is based in Potenza Picena, Macerata, and all products are manufactured at their wholly owned and modern production facility in Jiashan, China.
Innovators by tradition: www.lavocespeakers.com

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