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beyond making sound

New Products

Moncada (Valencia), March 2011

One year more we will be introducing at Frankfurt's Pro Light & Sound some of our latest products. We improve our portfolio with high performance coaxial speakers, competitive compression drivers and small size high performance woofers.

Our coaxial speakers family is reinforced with the inclusion of our two new models **12CXA400Nd** y **15CXA400Nd**, designed to offer the features that will cover the needs of any top level pro audio application. The low frequency units are built with a low weight but high resistance membrane, both sided waterproof mounted on a 4" (100 mm) aluminium voice coil, allowing an excellent power dissipation and high performance of the unit in working conditions (**800 W** program, **98 dB** sensitivity). The parameters have been optimized for working in compact sized vented cabinets, therefore, an ideal choice for stage monitors where the size is a critical aspect in the design of the system. The high frequency unit features a 2,8" (72,2 mm) voice coil and a Titanium dome with polyester surround composite diaphragm, which response will be finally controlled by the **horn** allowing a controlled **dispersion of 60º**. The **common magnetic circuit** for both units reduces in a significant way the depth and weight of the component. Demodulating rings for both the low and the high frequency units help to minimize the distortion in the whole working band. The final result is an extended response very linear, controlled and with low distortion.

The excellent results of our **PM4 diaphragm** in reference acoustic systems reaffirm us in its use for new compression drivers. In Pro Light & Sound 2011 we will introduce the new **CD1014Nd**, a driver based on our existing CD10Nd but designed for featuring a **1,4" exit** (36 mm). The moving assembly is composed by a **1,75" voice coil** (44,4 mm) and a PM4 diaphragm, which confers a response with high sensitivity of **110 dB**, natural tonal qualities and the stability which allows and excellent power handling (**140 W** program above 1,2 kHz). The magnetic circuit and mechanical assembly have been designed and optimized to a 1,4" exit, allowing to expand the use of an excellent design to many applications with a really competitive cost/performance ratio.

Intended for the higher level and the most innovative systems nowadays, we have developed the new **CP855Nd** compression driver. It is a **1,4" exit** (36 mm) driver which allows an extended working range (**500 Hz – 20 kHz**) with a high power handling using an optimized **4" voice coil** (100 mm): **200 W** program above 500 Hz and 300 W above 1,2 kHz. The integral pure Titanium diaphragm delivers a linear response, with low distortion and very high acoustic power (**112 dB** sensitivity). This may be a solution to simplify in a significant way the cost and the complexity of a high performance system, due to its very coherent, homogeneous and high SPL response from 500 Hz.

Last but not least, extending the P200 compact sized high power woofers series, and as the perfect combination and low frequency reinforcement for our compact coaxials 5CX200Nd y 8CX300Nd, we introduce the new **5P200Fe** and **8P300Fe** woofers. They feature an excellent behaviour and performance in the low frequency, allowing **high linear excursion** capabilities, high power handling (**300 W** and **600 W** respectively) and low distortion thanks to the demodulating rings. Designed for optimum performance in compact bass reflex designs, they will be the perfect element in a compact 2-way or multi-way cabinets and the clear choice to reinforce a system using one of our compact coaxial models, as long as the parameters and many of the components are shared in those models, which means that finally, the coherent in the sound and the synergy in the system will be total.

For further information, please do not hesitate to contact us or just visit our website.

acústica beyma, s. l. Polígono Industrial Moncada II C/ Pont Sec, 1-C P.O. Box 28 46113 Moncada (Valencia) - SPAIN
Tel. (34)-961 301 375 Fax. (34)-961 301 507 beyma@beyma.com www.beyma.com