

Celestion CDX14-3055 & CDX14-3045



Celestion, a suppliers of professional loudspeakers and compression drivers for sound reinforcement applications, introduces two new 1.4" exit, neodymium magnet, high frequency compression drivers to their range, the CDX14-3055 and CDX14-3045. These next-generation drivers both offer improved power handling and sensitivity, with a lower crossover point and overall reduction in size, making them compact and extremely effective HF solutions for use in high-quality fixed installation, or touring sound systems.

The CDX14-3055 offers significant improvements over its forerunner, the CDX14-3050. This includes an upgraded power handling capability of 120W (measured to AES standard) and a sensitivity of 108dB. The compression driver offers a lower minimum crossover point of 800Hz (12dB/oct) to increase application flexibility as well as a notable boost in sound pressure level above 5kHz. The CDX14-3055 is also far more compact with an external diameter of only 120mm which reduces the distance between acoustic centres when multiple units are used, offering improved close-coupling in applications such as line array cabinets.

In common with its predecessor, CDX14-3055 incorporates Celestion's patented two-piece, deep drawn titanium diaphragm and maximum modal suppression phase plug, delivering an ultra-low noise performance. One industry professional told Celestion, "The sensitivity at VHF is very high which is good, especially for passive systems. The listening experience was positive, with a sound signature that is world class."

The companion CDX14-3045 driver is an upgraded version of Celestion's earlier CDX14-3040, HF compression driver, this time featuring a single piece titanium diaphragm. Again, this high-quality HF solution features a power handling capability increased to 120W (measured to AES standard) and an enhanced sensitivity of 108dB with a lower crossover point of 800Hz (12dB/oct). In addition, the diameter of the CDX14-3045 has also been reduced, measuring in at a compact 117mm which improves close-coupling when employed in multiple driver applications.

"These two compression drivers are the latest examples of Celestion's philosophy of continuing advancement," explains Celestion Marketing Manager Ken Weller. "The CDX14-3055 and CDX14-3045 are both excellent options for high-quality sound reinforcement applications."

Designed and developed at Celestion's headquarters in Ipswich, England, the next-generation CDX14-3045 and CDX14-3055 high-frequency compression drivers demonstrate Celestion's continuing commitment to delivering a range of high-quality engineering-led solutions for professional audio applications.

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