

# epos



Elan 35 is the largest floor-stand speaker in this new range. Its design holds true to the purist principles followed by Epos. The two woofers work together at low frequencies to provide even higher sensitivity and power handling than the bookshelf models – in addition to delivering deeper and more powerful bass. We believe this design philosophy delivers the very best sound quality and musical performance for the money.

Only the finest real-wood veneers are selected, book-matched and hand-laid. Several coats of polyurethane are applied and polished for a high-quality finish. To minimise unwanted vibration and coloration, extensive horizontal and vertical internal bracing are positioned inside the sturdy 18mm thick MDF cabinets. For optimum performance and stability, they should be fitted with the plinths supplied, together with the adjustable spiked feet, designed to decouple unwanted energy from the cabinet into the floor.

Elan 35 is supplied with two baffles. The standard audiophile baffle with no visible fixing screws is fitted. If required, this can easily be swapped for the alternative cloth covered version, which is designed with the same profile as the naked baffle. Both types of baffle fit snugly around the tweeter and are both gently contoured around the woofers. So, unlike a conventional grille frame, there are no obstructions or sharp edges to cause reflections and sound colorations. The sound from both types of baffle will therefore sound similar.

## Tweeter

Epos has developed a new soft-dome tweeter for the Epic and Elan range. By using virtual-performance CAD simulation tools, this new tweeter has been designed to achieve the accuracy and speed of a metal dome but with smoothness associated with a soft dome. It has a low resonance frequency, high sensitivity and extended high frequency response. With its 25mm (one inch) doped-fabric dome, short horn, high-temperature Ferro-fluid cooled voice-coil and shielded neodymium magnet, it is capable of high output levels for extended periods. Its natural high sensitivity is necessary to match the much increased output from the new bass and mid-range drivers.

## Mid-Bass

A new long-throw 8 Ohm 187mm bass/mid driver has been developed for the Elan 35. Built on to an open-frame cast-aluminium alloy chassis, with a generously ventilated spider and vented magnet pole, this driver minimises colorations and distortions while allowing greater sound pressure levels than earlier Epos drivers.

The bass/mid units feature a high-quality polypropylene cone and bullet-shaped dust cap. These form a stiff yet pliable, well-damped structure which retains its shape, even at high power. This helps the woofers to produce a dynamic sound, with a very even frequency response and naturally smooth roll-off. The lower woofer is rolled-off by the crossover (filtered) so that it only plays bass, allowing the top mid-woofer to play bass and mid-range smoothly. The mid-woofer is rolled-off (filtered) at higher frequencies by the crossover to integrate properly with the tweeter. This is essentially a true 2 1/2 way configuration.

Both woofers are loaded by a very large diameter port, flared at both ends, to reduce turbulence. Together they produce plenty of clean deep bass coupled with a clear, smooth and detailed mid-range. In some rooms, or in placing them close to a wall or corner of a room, this may be too much, so we have supplied a custom foam bung to fit inside the entrance to the port to restrict the airflow and roll-off the bass earlier.

A special feature of this floor-standing speaker is its high sensitive, making it suitable for use with a wide range of amplifiers, from as small as 10 watts to as large as 200 watts into 4 Ohms. So, tube fans should find this amp a perfect match.

## Crossover

In typical Epos fashion, the Elan 35 crossover is as simple as we can make it: both the woofer and tweeter networks are 2nd order filters at 800Hz and 3.2kHz. To ensure the highest sound quality, all the resistors are metal oxide, all the capacitors are high-quality polypropylene-foil dielectric types and internal wiring uses proprietary solid-core wire covered in a sponge sheath to prevent vibration. Inductors are designed for low distortion even at high powers: air-core for the tweeter and an over-sized laminated-iron core for the woofer. All connections to drive units and crossover are hand soldered. The input terminals are bi-wirable, using a proprietary metal terminal panel with solid metal binding post equipped for 4mm plus and large spade lugs.

## Detail

We paid great attention to every single minute detail during the design of the Elan 35, to give customers the best sound at the best price. It comes as no surprise that this elegant speaker will have you in awe from the first note. In addition to the astonishing bass power, detail and depth, sound stage, depth and detail are truly exceptional, with a clarity that outshines the competition and many higher priced speakers.

This is a truly eye and ear-opening loudspeaker that will keep you enthralled listening to your favourite tracks for many years to come.

## TECHNICAL SPECIFICATION

POWER HANDLING 200 Watts unclipped speech and music

FREQUENCY RANGE 44 Hz – 25 kHz

IMPEDANCE 4 Ohm nominal

SENSITIVITY 93dB / 2.83V@1m

AMPLIFIER COMPATIBILITY 10 – 200 Watts

POSITIONING Not less than 10 cm (4") from rear wall

**TWEETER** Epos 25mm soft dome with high-temperature voice coil, ferrofluid cooling and neodymium magnet system. Magnetically shielded

**BASS/MIDRANGE DRIVERS** 2x Epos mid bass 187mm dia., with cast chassis, 25mm high-temperature voice coil and polypropylene cone. Magnetically shielded.

**CROSSOVER FREQUENCIES** 3.6kHz – 800Hz

**CROSSOVER** Bass and tweeter networks both use 2nd order filters. Only metal oxide resistors and polypropylene film capacitors are used for optimum sound quality. The tweeter section has an air-cored inductor, and the woofer section features a large-core laminated-iron inductor for low distortion and high power handling, all to ensure the very highest sound quality.

**TERMINAL PANEL** Bi-wirable. Can be single or double wired by removing shorting links provided.

**INTERNAL WIRING** Solid-core Audiophile grade copper cable

**CABINET** 18mm MDF wrap and front baffle, extensively braced internally

**FINISH** Cherry, Black Oak or Rose Wood real-wood veneer

**GRILLES** Removable 'audiophile' grille fitted as standard, Alternative cloth-covered grilles are packed as accessories.

**SIZE HXWXD MM / IN.** 915 x 210 x 320 / 36 x 8.3 x 12.6

**WEIGHT** 20.8 kg / 45.8 lb per single speaker (net)

25.7 kg / 56.5 lb per carton (gross).