

epos



Epos approached the design of its Elan 20 centre channel speaker exactly as you would expect with no compromise to sound quality. Engineered specifically for the critical requirements of centre-channel reproduction, it has powerful bass, a fast, dynamic sound and high power handling.

The Elan 20 features the excellent Elan 25mm (1 in.) low-distortion soft-dome tweeter, designed to have smooth, clear, extended treble. This tweeter features a strong injection moulded faceplate, ferrite magnet and Ferrofluid cooling for improved damping and power handling. Its low resonance frequency is positioned well below the crossover frequency.

The new Epos 135 mm nominal (5.25 in.) diameter high-power mid-range woofers (with 157mm cast aluminium alloy chassis) reproduce dynamic, natural bass and mid-range frequencies. Two such units are used in this model, sharing the same bass reflex enclosure, and positioned either side of the tweeter. With two woofers working together at low frequencies, power handling, sensitivity and maximum sound pressure levels are all greatly increased.

The crossover frequency is centred on 2.8kHz and incorporates polypropylene film capacitors and metal film resistors in both woofer and tweeter sections. The bi-wirable input panel is made from solid anodised aluminium alloy, with sturdy high-spec terminals suited for spade lugs, bare wires, or other types of plugs. High-grade gold plated links join the terminals together and can be removed for separate connection to each driver.

Centre channels can pose difficulties with placement, but Epos has provided the perfect range of solutions. The Elan 20 has been designed with wide, symmetrical listening window, so it is not essential for the speaker to point directly at the listening position.

However, we have supplied a plinth comprising two wedges, each with soft non-slip foam surfaces and having a different angle. Therefore, by using the wedges in various combinations, the user can choose between four angles of tilt, up and down, to direct the main speaker axis towards the listener. Also, the front-mounted ports allow the loudspeaker to be positioned close to the rear wall, or in any location which would otherwise restrict the bass output from rear-ported loudspeakers.

The Elan 20, with its optional cloth grille and beautifully manufactured real wood veneer cabinet, is styled to complement any decor, but the fronts are not just cosmetic.

Both the fitted 'audiophile' baffle and alternative cloth-covered grille are designed to present a smooth profile to the drive units. Avoiding harmful sound reflections from the baffle, in this way, helps us achieve a smooth and natural sound balance. (So, for reasons of bass quality and smoothness of frequency response, the loudspeaker should only be used with either the 'audiophile' baffle or cloth-covered grille.) The two bass-reflex ports are flared inside the cabinet, and outside via contoured holes in the baffle and grille, which promotes smooth air flow, and hence optimum bass quality.

Power Handling 130 Watts unclipped speech and music
Frequency Range 50 Hz - 25 kHz
Impedance 4 Ohm nominal
Sensitivity 91dB / 2.83V@1m
Amplifier Compatibility 16 - 130 Watts
Positioning May be placed close to, or away 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 135mm (5.25inch.) nominal diameter mid-bass (with 157mm dia. cast chassis), 25mm high-temperature voice coil and polypropylene cone.
Crossover Frequencies 2.8kHz
Crossover Bass and tweeter networks all 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. The bass 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 Black Oak Only
Grilles Removable - 'audiophile' grille fitted as standard, Alternative cloth-covered grilles are packed as accessories.
Size HxWxD - mm / in. 185 x 545 x 263 / 36 x 8.3 x 12.6 (cabinet only)
980 x 286 x 380
Height with adjustable plinth min: 205mm/8.1 in., max: 248mm /9.8 in
Weight 11 kg / 24.2lb (single speaker including plinth)
One loudspeaker per carton.