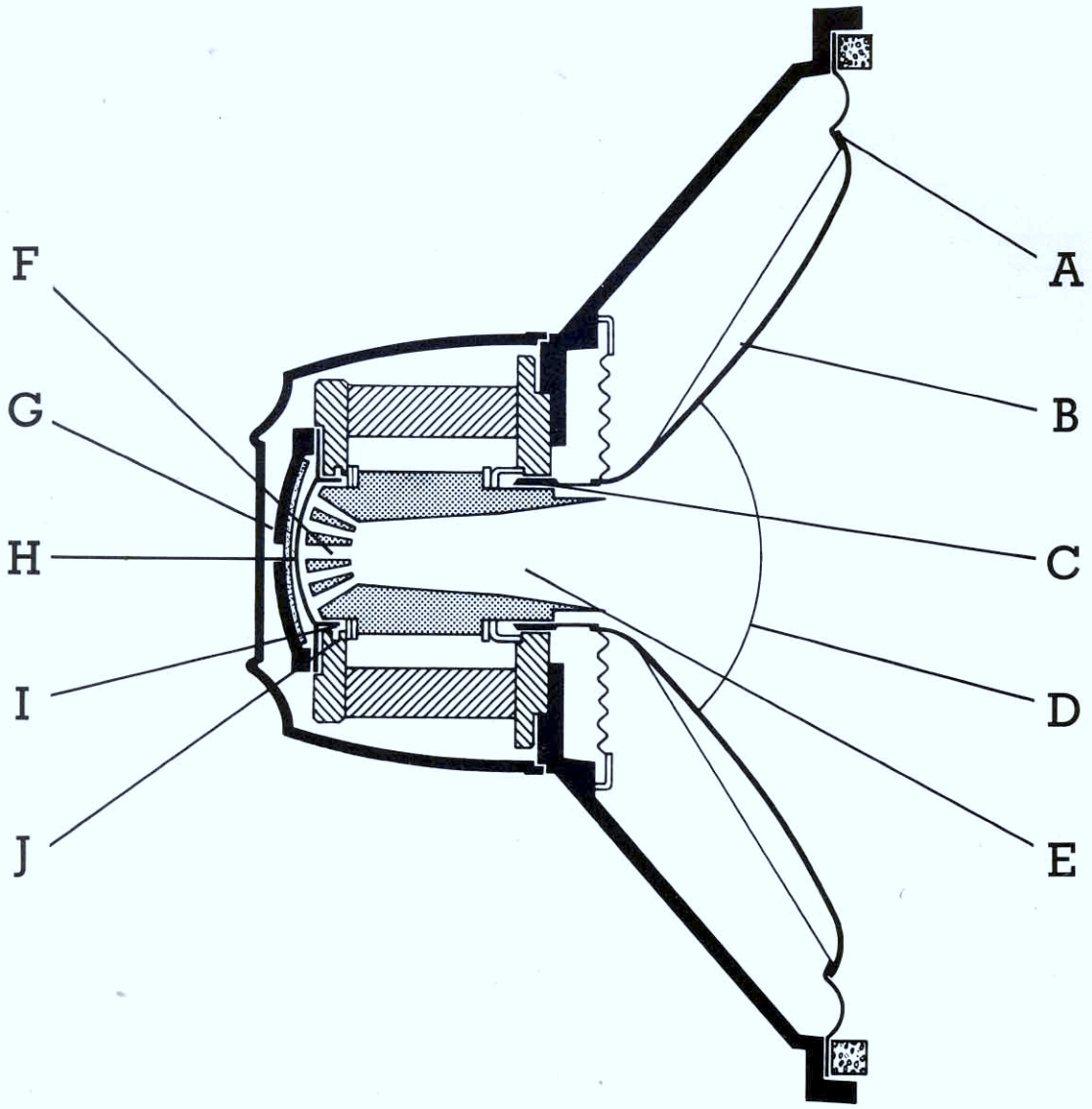
Tannoy Integrated Drive Systems

The Drive Systems in this range – the HPD 385A, HPD 315A and HPD 295A – are capable, when mounted in suitable enclosures, of reproducing the entire audio spectrum at the high sound levels and with the low distortion required in professional work and in the most ambitious domestic installations. Each system consists of a direct radiator bass unit and a high-frequency compression driver, both located concentrically within the same frame and magnet assembly.

The low-frequency section is a long excursion, low resonance loudspeaker having a 2" high temperature voice coil.

The unique Girdacoustic reinforced cone, a feature of the HPD 385A and HPD 315A, ensures true piston action and smooth performance extending well into the midrange region. The HPD 295A is treated with a damping compound on the rear surface of the cone, since its smaller size precludes the use of the reinforcing technique.

High frequencies are reproduced by a horn-loaded compression driver utilizing a duralumin diaphragm and 2" diameter aluminium voice coil.



A Rolled surround for stability in low bass response.
B Unique ribbing virtually eliminates cone break-up ensuring smooth response and extraordinary high power capacity.
C High temperature voice coil.
D Dustproof, acoustically transparent sealing dome.
E Concentric HF horn (completed by curved LF cone).
F Phase-compensating multiple throat for extended and smooth HF response.
G Acoustic balance cavity for reduced distortion.
H Precision contoured high frequency diaphragm.
I Aluminium voice coil conductor for high power capacity and superb HF response.
J Exclusive magnetic shunt for increased LF flux.

Crossover Network
The crossover network receives an electrical signal containing the full frequency spectrum from the amplifier and divides it between the low frequency and high frequency sections of the loudspeaker system. Tannoy networks are of the highest quality : capacitors are non-polarized, solid dielectric types for low losses and close tolerances ; resistors and inductors are very generously rated ; and all components are assembled on a fibreglass printed circuit board for maximum reliability.