

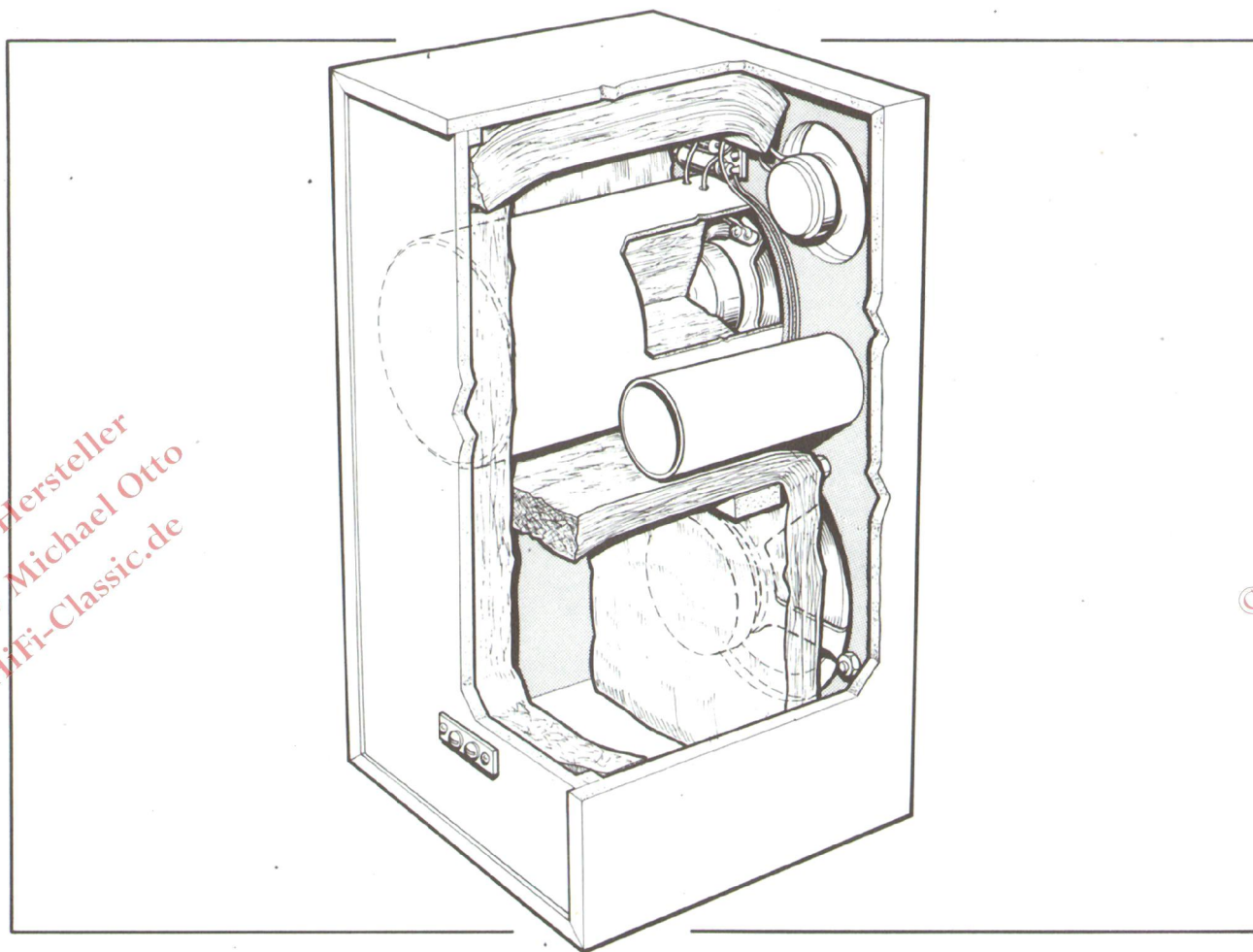
Hersteller
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IMF compact loudspeakers

There is little doubt that big loudspeakers are best. There is equally little doubt that most people can neither afford nor accommodate such systems and the ancillary equipment required to drive them properly. Thus, to date an impasse has arisen between the practical requirements of the domestic and semi-professional user. IMF recognise this problem but do not contend that just because a loudspeaker is compact, it necessarily has to be inferior. The same technical resources and attention to design detail have been employed in the development of these IMF Compact Loudspeakers as for the established series of IMF Transmission Line Speakers.

The requirements of a domestic loudspeaker are somewhat different from the monitor. It must be readily driven from the lower power amplifiers commonly available. The response must remain flat over the major part of the audio bandwidth, albeit necessarily more restricted. The dispersion characteristics must be broad and substantially hemispherical to ensure freedom of seating arrangements. Critical damping must be employed to maintain smoothness conducive with reasonable efficiency. The subjective performance should be homogeneous in such a manner that the total integrated output provides an aural illusion of a far larger sound source.



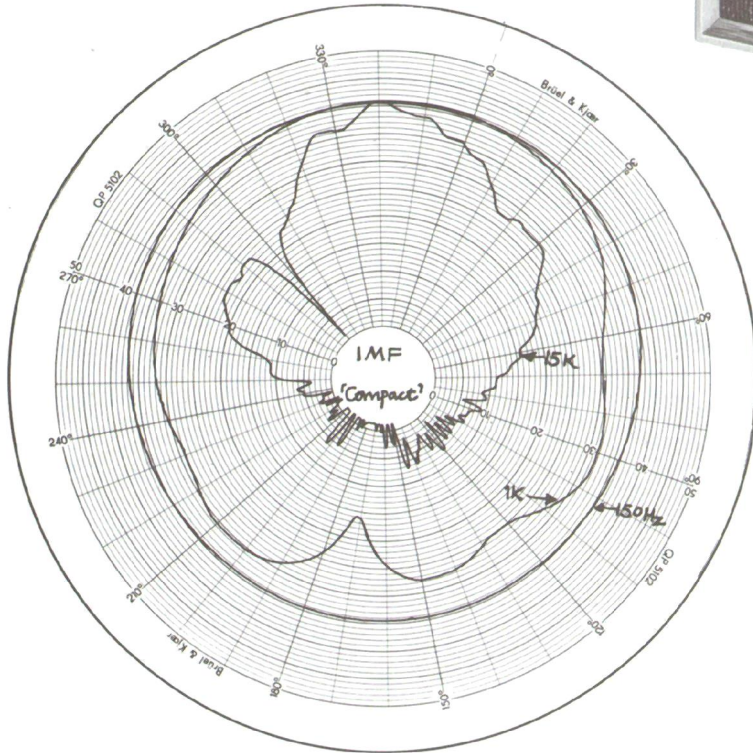
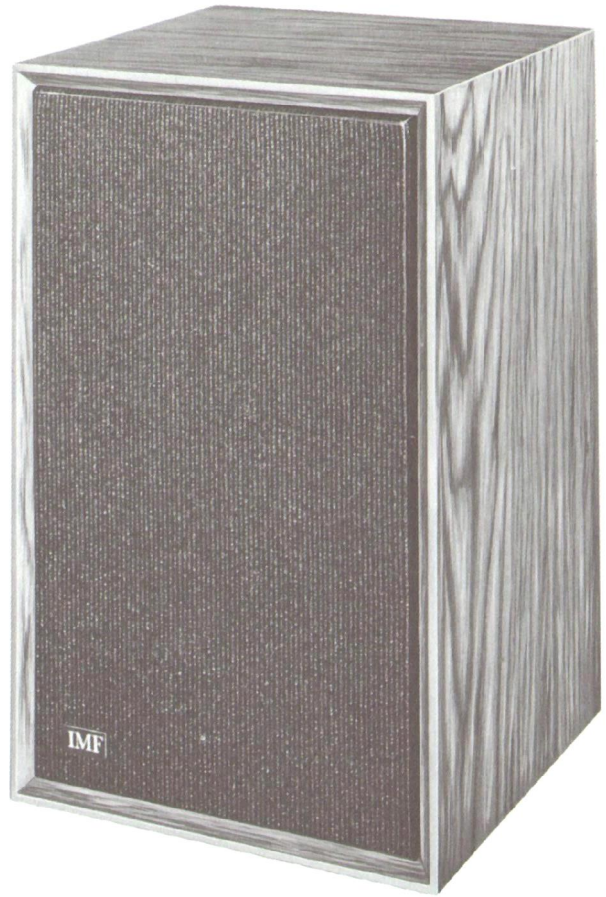
The drawing illustrates the construction of the IMF Compact. Smooth, well damped and 'wide-open' midband response is essential from any loudspeaker. For this reason the Compact is a three-way system so that the crossover points can be placed well away from the range where the ear is most sensitive. The midrange speaker is isolated in a separate short transmission line in precisely the same manner as our Studio and Monitor loudspeakers. The rear radiation of the bass unit looks into an acoustic resistance formed through a separate absorptive chamber within the enclosure so as to approach near aperiodic conditions. The low bass notes are generated from the port. The design is free from the 'boxiness' of infinite baffles and yet avoids the problems of 'cone weave' that cause watery doppler distortions if used with less perfect turntables. The crossover network is simple yet effective, being of a deliberate 'low loss' design. The inductor is bulky and expensive but ensures that the maximum of bass power is received by the loudspeaker. The impedance curve is exceptionally smooth and ensures not only that all the power of the amplifier can be delivered to the loudspeaker, but also by virtue of the relatively flat low frequency impedance, bass lift can be safely added as required with less fear of overload.

The sound is well integrated without undue predominance of any part of the audio spectrum—as the frequency response chart shows. The IMF Compact loudspeaker is revealing of inner detail together with a high degree of differentiation. The speaker imposes very little of its own character but reproduces the maximum information about the material fed into it. It sounds much more like a big loudspeaker than its size suggests.

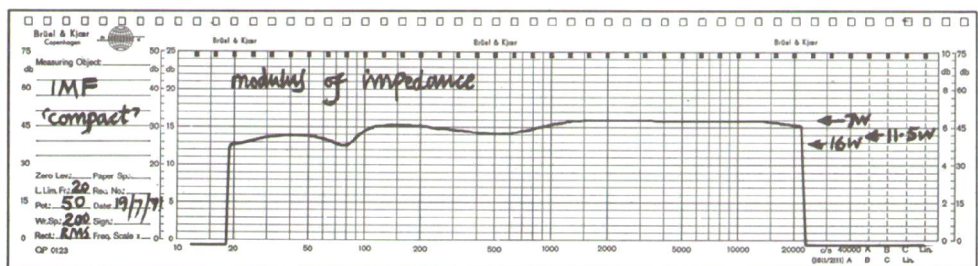
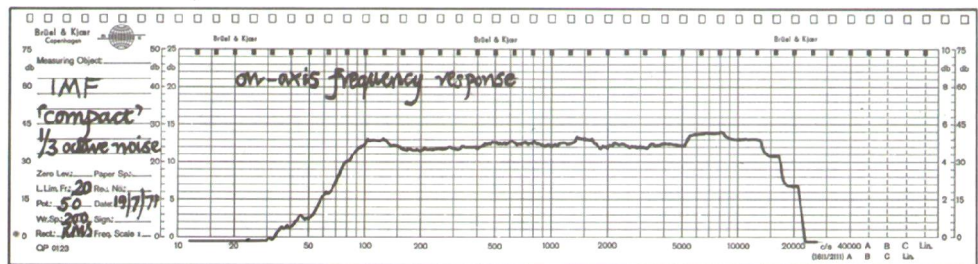
IMF 'COMPACT' LOUDSPEAKER: A bookshelf loudspeaker system measuring approximately $16\frac{1}{2}'' \times 10\frac{1}{2}'' \times 10''$ deep. Bass unit $6\frac{1}{2}''$ roll surround, mid-range unit $5''$ impregnated cone contained in separate line, tweeter $3''$ damped surround coned unit. Crossover electrical 3 way at approx. 500Hz and 5kHz. Frequency range 40Hz to 20kHz. Frequency response substantially flat from 100Hz to 15kHz. Efficiency measured via pink noise 1 metre on axis: 18 watts produces 100dB. Nominal impedance 8 ohms. Driving power requirements 15 to 40 watts. Supplied in matched pairs in teak. Weight approximately 15 lbs each.

Conditions of Test: Measurements taken under anechoic conditions with reflection coefficient better than 0.1. Equipment employed B & K pen recorder, noise and signal generator, third octave filters and polar turntable.

Subject to alteration without notice.



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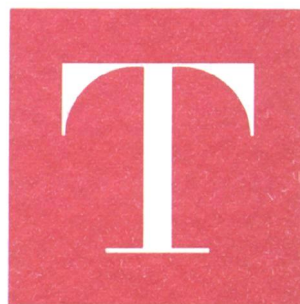


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TRANSAUDIO

I M F COMPACT

Ein Lautsprecher, der weit
besser klingt, als seine beschei-
denen Abmessungen erwarten lassen.

Es wird kaum jemand ernsthaft bezweifeln, daß große Laut-
sprecher am besten sind. Genau so wenig zweifelhaft ist es
freilich, daß sich die meisten Leute solche einfach nicht lei-
sten können, sei es nun aus Platz- oder Geldgründen.

Im Bewußtsein dieser Zusammenhänge wurden unsere "Compacts"
entwickelt. Von IMF - dem englischen Hersteller, der sich in
kurzer Zeit mit seinen "Transmission Line Speakers" internatio-
nales Ansehen erwarb; mit Lautsprechern also, die zu den größten
und besten überhaupt gehören.

Es gelang dabei, einiges von den Prinzipien, welche die großen
Studio- und Monitorlautsprecher auszeichnen, für das Compact-
Modell nutzbar zu machen. So etwa wurde für das Mitteltonsystem
die "Transmission Line" Schallführung beibehalten. Da dies für
den Tieftonbereich bei den gegebenen Abmessungen naturgemäß
nicht möglich war, wurde hier der nächst-beste Weg beschritten:
die 'Compact' verfügt über ein aperiodisches Baßsystem, dessen
Klangcharakteristik weit entfernt von der bei geschlossenen Bo-
xen so häufigen Verschwommenheit ist, sondern vielmehr durch
Trockenheit und Klarheit besticht. Daß der Frequenzweiche beson-
dere Aufmerksamkeit zuteil wurde, ist für gute Lautsprecher un-
erläßlich und für IMF selbstverständlich.

Zusammengefaßt: die IMF Compacts bieten Ihnen ein sehr homogenes
Klangbild ohne ungebührliche Hervorhebung irgenwelcher Frequenz-
bereiche. Bei hochgradiger Differenzierung treten innere Details
der Musik deutlich hervor. Der Lautsprecher überlagert der Musik
sehr wenig Eigencharakter, sondern reproduziert maximale Informa-
tion über das eingegebene Programm Material. Er klingt viel
größer als er aussieht.

Abmessungen: ca. 43 x 27 x 26 cm Preis: DM 480,-

Weitere Einzelheiten entnehmen Sie bitte dem anliegenden engli-
schen Originalprospekt.