

COMPRESSION DRIVER

Powerful Midrange; Articulate Highs.

Laboratory Series compression drivers are designed to accurately reproduce the midrange and high frequency ranges, providing high output with low distortion. Powerful alnico and ferrite magnets are used to provide strong magnetic fields and high efficiency. Two diaphragm materials are used: metal, manufactured of either aluminum or duralumin; and phenolic. All are produced with a special forming process to provide rigid, low mass diaphragm construction. The one inch (25.4 mm) throat models offer extended response to cover both the midrange and high frequency ranges. The two inch (50 mm) throat models offer high power handling and high output in the midrange band. The wide selection of diaphragm materials and size, voice coil impedance and magnet type, allows the proper choice of compression driver for every application. All drivers are designed for fast and simple diaphragm replacement for minimum down time in the field.

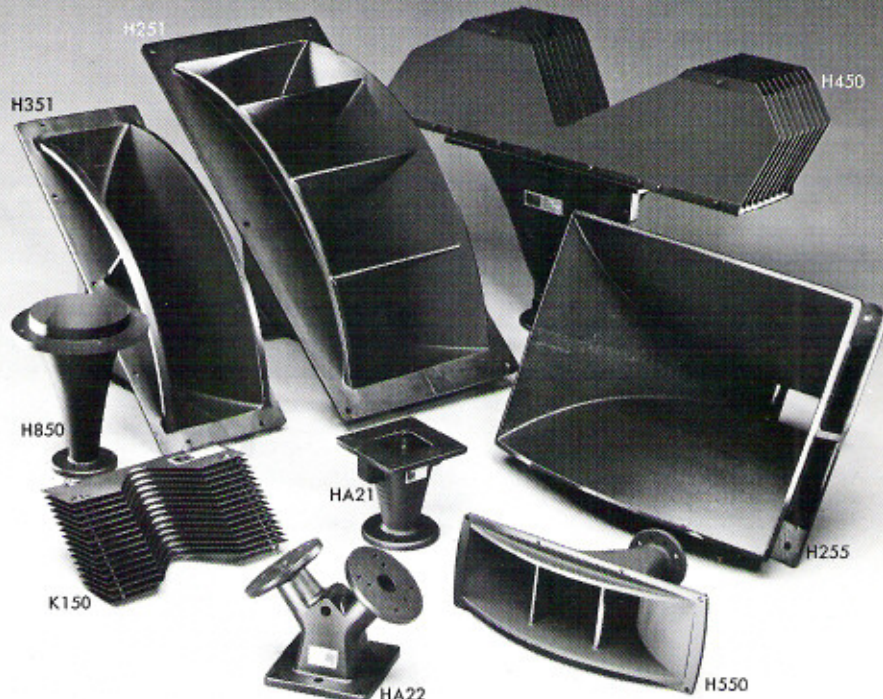


Model	Nominal Impedance (Ω)	Throat Diameter (mm)	Frequency Range (Hz)	Lowest Recommended Crossover (Hz)	Sensitivity (dB/W(1m))	Power Handling (W)	Diaphragm Material	Voice coil Dia (mm)	Material	Magnet Weight (g)	Magnet Material	NET Weight (kg)
D232	8	25.4	650~18k	1kHz or over	104	50	Aluminum	40	Aluminum	330	Ferrite	1.4
D252	8	25.4	650~20k	1kHz or over	105	50	Aluminum	40	Aluminum	650	ALNICO	3.3
D262	8/16	25.4	800~15k	800Hz or over	104	60	Duralumin	50	Aluminum	850	Ferrite	2.32
D266	8/16	25.4	500~12k	500Hz or over	105	60	Phenolic	50	Aluminum	850	Ferrite	2.32
D272	8/16	25.4	800~15k	800Hz or over	106	60	Duralumin	50	Aluminum	1,090	ALNICO	4.35
D276	8/16	25.4	500~12k	500Hz or over	107	60	Phenolic	50	Aluminum	1,090	ALNICO	4.35
D502	8/16	50	500~10k	500Hz or over	108	80	Duralumin	100	Aluminum	3,100	ALNICO	13
D506	8/16	50	300~6k	300Hz or over	108	100	Phenolic	100	Aluminum	3,100	ALNICO	13
D582	8/16	50	500~10k	500Hz or over	108	80	Duralumin	100	Aluminum	4,020	Ferrite	9.2
D586	8/16	50	300~6k	300Hz or over	108	100	Phenolic	100	Aluminum	4,020	Ferrite	9.2

Light, Metal Horns to Complement the Performance of Fostex Compression Drivers.

Proper selection and matching of compression drivers to horns is a prerequisite for optimum performance and reliability. Fostex has developed a series of light weight, cast aluminum sectoral, exponential and radial horns and steel acoustic lenses. Each is designed with a different cutoff frequency and radiation angle and should be selected to match the driver crossover frequency and the coverage requirements. Cast aluminum throat adapters allow a wide range of driver/horn combinations.

HORN / THROAT ADAPTOR



Model	Descriptions	Throat Diameter (mm)	Cut off Frequency (Hz)	Crossover Frequency (Hz)	Dispersion Pattern (H×V)	Material	Dimensions W (mm)	H (mm)	D (mm)	NET Weight (kg)
H251	Sectoral horn	—	250	500	110°×60°	Aluminum	700	320	400	11.4
H255	Radial horn	—	250	500	90°×60°	Aluminum	464	306	400	10
H351	Radial horn	—	350	700	110°×60°	Aluminum	560	200	324	5.8
H450	Exponential horn/w acoustic lense	50	450	900	120°×45°	Aluminum	715	288	458	10
H550	Radial horn	25.4	600	1k	90°×90°	Aluminum	330	100	230	1.6
H555	Radial horn	25.4	500	1k	60°×60°	Aluminum	220	220	182	2.3
H850	Straight exponential horn	25.4	850	850	—	Aluminum	180	—	230	1.5
HA 21	1 inch throat adapter	25.4	—	—	—	Aluminum	120	120	130	1
HA 22	2×1 inch throat adapter	25.4×2	—	—	—	Aluminum	200	120	154	1.3
HA 25	1 inch to 2 inch throat adapter	50/25.4	—	—	—	Aluminum	126	—	90	0.7
HA 51	2 inch throat adapter	50	—	—	—	Aluminum	125	—	100	1.1
K150	Acoustic lense (for H850)	—	—	—	90°×45°	Iron	254	182	60	1.8