



Catalog 1011

JENSEN FREQUENCY RANGE RATING SYSTEM

JENSEN has adopted a new system for rating the effective frequency range of loudspeakers intended for music reproduction. It employs liminal units (abbreviated LIM), one LIM being the listener's sensation corresponding to a just noticeable change in frequency range. The use of frequency limits in cycles is believed to be an inadequate and unsatisfactory basis for the rating and selection of loudspeakers. In the first place, frequency figures do not convey information as to the ability of the listener to hear differences in frequency range. The new method permits comparison of ratings in terms of noticeable effects. Secondly, there are no accepted standards for specifying frequency limits and therefore different manufacturers would rate the same speaker quite differently. Some ratings, influenced by competitive considerations, are based on cut-off limits which are actually far below the threshold of hearing, thereby implying performance at much higher frequencies than are made available acoustically to the listener. The new JENSEN rating method is predicated on adequate loudness at the end of the rated range.

In deriving the new system, the high-frequency region between 3,000 and 20,000 cycles was divided into eight intervals (+1 to +8 LIM) which authoritative tests have shown constitute just-perceptible changes in frequency range when reproducing music. (See JENSEN Technical Monograph No. 3). The accompanying table relates the intervals to hearing and typical applications. A loudspeaker is assigned the rating number of the highest interval in which the loudness is maintained at a significantly high percentage of normal as determined from objective measurements in connection with loudness data, and checked by means of listening tests.

Since 3,000 cycles is approximately the minimum range which is tolerable for music, a particular rating may be thought of as the number of perceptible steps above this minimum quality due to frequency

NEW JENSEN FREQUENCY RANGE RATING SYSTEM				
20,000 CYCLES	JENSEN F.R. RATING	HEARING REFERENCES		TYPICAL USES
	+8 LIM	ULTRA HIGH	AUDIBILITY LIMIT (BEST EARS—TONE TEST)	BROADCAST MONITORING
	+7 LIM		NOISE SOUND EFFECTS PERCUSSION INSTRUMENTS	
	+6 LIM	HIGH	BEST-EARS	CUSTOM RADIO-PHONOGRAPH INSTALLATIONS
	+5 LIM		AVG. EARS	
	+4 LIM		MUSIC MAXIMUM AUDIBLE RANGE (Average Home Conditions)	
	+3 LIM	MEDIUM		INDUSTRIAL SOUND
	+2 LIM			
3,000 CYCLES	+1 LIM	LOW	MINIMUM ACCEPTABLE RANGE FOR MUSIC	COMPACT RADIOS (LIMITED BY CIRCUITS)

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range extension. +5 LIM and +6 LIM represent the maximum perceivable ranges established by noise and hearing for average and especially favorable home listening conditions; loudspeakers with +5 LIM or +6 LIM ratings will therefore deliver as wide a range as is useful for normal home listening. Loudspeakers with higher ratings are useful at higher reproduction levels than normal, in the most critical technical applications where sound effects, noises and percussion instruments must be reproduced with utmost accuracy, and where other features of the loudspeaker are important.

The highest interval (+8 LIM) is that in which hearing cut-off occurs for the best ears. This rating, therefore, is the maximum which can be applied to any loudspeaker intended for listening purposes.

Jensen Standard Series loudspeakers are rated at +5 LIM. The Concert Series has the same frequency range rating but is differentiated by greater efficiency and loudness, and superior transient characteristics. Ratings for the Genuine Jensen Wide Range Series are given in the listings.

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Foreword

In presenting this JENSEN Catalog the object is to give in concise form the most important factual details of JENSEN Loudspeakers, Reproducers, Projectors and Accessories—the most extensive line of such equipment in existence. For convenience in use of this catalog and to aid in selection of the JENSEN product best suited to the buyer's requirements the various products have been assembled into groups as follows:

Genuine Jensen Wide Range Series: Includes Coaxials and Single-Unit speakers designed for maximum listening pleasure and characterized by Wide Frequency Range, Balanced Frequency Response, Smooth Reproduction, Wide Angle Distribution, Low Distortion, Good Efficiency, and Adequate Power Handling.

Standard Series: Includes both field coil and permanent magnet designs and an extensive range of sizes and models. JENSEN Standard Series loudspeakers are designed for general purpose applications where the performance and design features of the somewhat more expensive JENSEN products are not essential requirements.

Concert Series: JENSEN Concert Speakers have been recognized as setting a high standard of loudspeaker performance for nearly 20 years. Featured by relatively higher power-handling capacity and efficiency they have excellently balanced response-frequency characteristics and are slightly higher in

price than the Standard Series.

Special Series: These are loudspeakers designed for more or less special applications as pointed out in the pages devoted to Special Series.

Coaxial Series: This series provides a complete family of multi-channel loudspeaker systems assembled coaxially into single compact units. Many sound reproduction requirements in these modern times require performance which can only be attained by the use of a multiple loudspeaker system. JENSEN Coaxials meet that requirement.

Professional Series: As the term implies, products in this series are generally indicated for use for the reinforcement and reproduction of sound to the public and rather large audience groups as contrasted to home entertainment use. In addition to equipment designed to deliver reinforced sound to audiences of several thousand people this series also includes the famous JENSEN Hypex and Speech Master products.

Cabinets: Includes a complete line of Cabinets practically all of which feature the JENSEN Bass Reflex system. A complete range of styles and prices.

Customode: A new, revolutionary line of unified matching cabinets providing the equipment enclosures you need, arranged just as you want them with "building block" flexibility, and coordinated in an ensemble uniform in design and finish.

Important Information:

Weights: While space in this catalog does not permit the listing of weights, net and shipping weights of all JENSEN equipment, as well as cubic measurement, will be given on request.

Design Specification: We recognize that design specifications may have to be altered from time to time to suit specific requirements. Any such change will affect prices shown.

Dimensions: In each tabulation, extreme O. D., depth, and baffle opening size are given so that the speaker user may know the space requirements for installation of speaker in cabinet or console.

Export Orders: List prices shown here are for domestic shipments and export orders must usually be billed at an advance in price to cover export packing and handling.

Technical Advice: We invite inquiries concerning application, installation and operation of equipment shown in this catalog.

Ordering: JENSEN stock speakers, described and illustrated in this catalog, are sold generally through JENSEN Distributors in every important trading area in the United States, and by agents in all overseas markets. If you do not know the JENSEN Distributor in your city or territory, we shall be glad to give you the names of nearby representatives.

In ordering, please list both the Model and Stock number. This will facilitate the filling of your order and insure against errors. Orders for special models for use by manufacturers are invited and quotations will be furnished upon receipt of complete specifications and quantities.

Prices: Prices shown in this catalog supersede all previous prices but we reserve the right to change or withdraw without notice any prices appearing in this catalog.

Shipping Point: All prices are f.o.b. Chicago.

JENSEN MANUFACTURING COMPANY

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Jensen "Standard Series" SPEAKERS

Standard Series speakers, although moderately priced, are exceptionally good in performance and are highly recommended for use in radio and television receivers, recorders, public address equipment, intercommunication systems and similar applications. Models listed on this and the following page have been completely redesigned in every detail.

Magnetic structures have been designed to achieve maximum gap energy, cones selected for uniformity of response, and all speakers are completely dust-proof. Models listed are standard fidelity response only. See page 6 for Extended H-F Range versions of Standard and Concert Series speakers. Standard Series speakers are finished in aluminum.

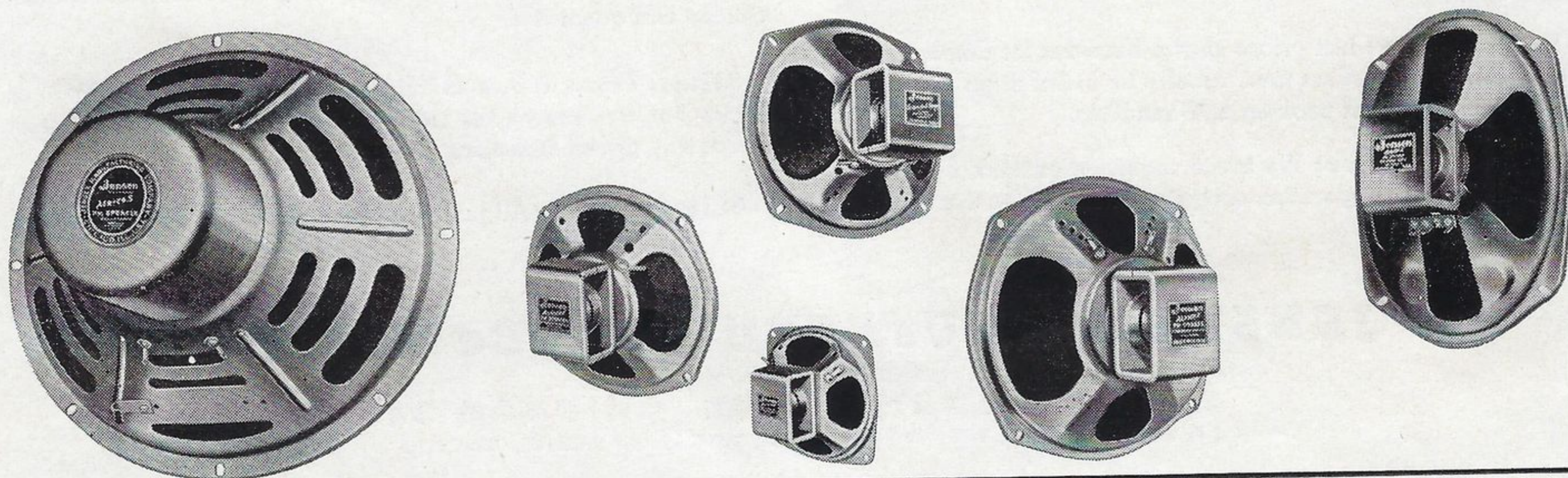
ALNICO 5 PM MODELS

These PM speakers embody the highly efficient Alnico 5 magnets which insure long life and highest efficiency. Because Alnico 5 magnets are many times more powerful, ounce for ounce, than their pre-

decessors, speakers so equipped offer obvious advantages: lighter weight, for savings in shipping costs; and smaller size, for savings in space in cabinet installations.

NOMI- NAL SIZE	MODEL NO.	STOCK NO.	†GAP ENERGY LEVEL	DIMENSIONS, INCHES			VOICE COIL			*TRANS- FORMER SIZE	LIST PRICE
				O.D.	DEPTH	BAFFLE OPEN.	DIAM., IN.	IMPED., OHMS	POWER, WATTS		
12"	P12-S	ST-102	1.5	12 $\frac{1}{8}$	6 $\frac{1}{16}$	10 $\frac{1}{2}$	1	6-8	10.0	7 $\frac{7}{8}$ x7 $\frac{7}{8}$ "	\$16.50
	P12-T	ST-101	1.1	12 $\frac{1}{8}$	6 $\frac{1}{16}$	10 $\frac{1}{2}$	1	6-8	9.0	3 $\frac{3}{4}$ x3 $\frac{3}{4}$ "	11.85
10"	P10-S	ST-120	1.5	10 $\frac{1}{8}$	5 $\frac{1}{4}$	8 $\frac{3}{4}$	1	6-8	9.0	3 $\frac{3}{4}$ x3 $\frac{3}{4}$ "	15.25
	P10-T	ST-119	1.1	10 $\frac{1}{8}$	5 $\frac{1}{4}$	8 $\frac{3}{4}$	1	6-8	8.0	3 $\frac{3}{4}$ x3 $\frac{3}{4}$ "	10.65
6x9"	P69-S	ST-812	1.5	6 $\frac{3}{8}$	3 $\frac{11}{16}$	5 $\frac{3}{8}$	1	3-4	8.0	3 $\frac{3}{4}$ x3 $\frac{3}{4}$ "	12.50
	P69-T	ST-811	1.1	x	3 $\frac{11}{16}$	x	1	3-4	7.5	3 $\frac{3}{4}$ x3 $\frac{3}{4}$ "	9.60
	P69-V	ST-810	.51	9 $\frac{1}{4}$	3 $\frac{1}{4}$	8 $\frac{1}{8}$	$\frac{3}{4}$	3-4	5.0	5 $\frac{5}{8}$ x5 $\frac{5}{8}$ "	7.90
8"	P8-S	ST-104	1.5	8 $\frac{1}{8}$	3 $\frac{13}{16}$	6 $\frac{3}{4}$	1	6-8	8.0	3 $\frac{3}{4}$ x3 $\frac{3}{4}$ "	12.25
	P8-T	ST-117	1.1	8 $\frac{1}{8}$	3 $\frac{5}{8}$	6 $\frac{3}{4}$	$\frac{3}{4}$	3-4	7.0	3 $\frac{3}{4}$ x3 $\frac{3}{4}$ "	9.50
	P8-U	ST-116	.74	8 $\frac{1}{8}$	3 $\frac{1}{2}$	6 $\frac{3}{4}$	$\frac{3}{4}$	3-4	6.0	5 $\frac{5}{8}$ x5 $\frac{5}{8}$ "	8.35
	P8-V	ST-115	.51	8 $\frac{1}{8}$	3 $\frac{3}{8}$	6 $\frac{3}{4}$	$\frac{3}{4}$	3-4	5.0	5 $\frac{5}{8}$ x5 $\frac{5}{8}$ "	7.30
7"	P7-T	ST-804	1.1	7 $\frac{5}{8}$	3 $\frac{7}{16}$	6	1	3-4	7.0	3 $\frac{3}{4}$ x3 $\frac{3}{4}$ "	9.25
	P7-T	ST-807	1.1	7 $\frac{5}{8}$	3 $\frac{1}{4}$	6	$\frac{3}{4}$	3-4	6.5	3 $\frac{3}{4}$ x3 $\frac{3}{4}$ "	8.75
	P7-U	ST-806	.74	7 $\frac{5}{8}$	3 $\frac{1}{4}$	6	$\frac{3}{4}$	3-4	5.5	5 $\frac{5}{8}$ x5 $\frac{5}{8}$ "	7.95
6"	P6-T	ST-112	1.1	6 $\frac{11}{16}$	3 $\frac{3}{16}$	5 $\frac{1}{4}$	$\frac{3}{4}$	3-4	6.0	5 $\frac{5}{8}$ x5 $\frac{5}{8}$ "	7.75
	P6-V	ST-110	.51	6 $\frac{11}{16}$	2 $\frac{15}{16}$	5 $\frac{1}{4}$	$\frac{9}{16}$	3-4	4.0	5 $\frac{5}{8}$ x5 $\frac{5}{8}$ "	6.10
	P6-W	ST-109	.36	6 $\frac{11}{16}$	2 $\frac{7}{8}$	5 $\frac{1}{4}$	$\frac{9}{16}$	3-4	3.5	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	5.65
	P6-X	ST-108	.25	6 $\frac{11}{16}$	2 $\frac{3}{4}$	5 $\frac{1}{4}$	$\frac{9}{16}$	3-4	3.0	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	5.00
5$\frac{1}{4}$"	P525-V	ST-803	.51	5 $\frac{3}{4}$	2 $\frac{1}{2}$	4 $\frac{1}{2}$	$\frac{9}{16}$	3-4	4.0	5 $\frac{5}{8}$ x5 $\frac{5}{8}$ "	5.50
5"	P5-V	ST-107	.51	5	2 $\frac{7}{16}$	4	$\frac{9}{16}$	3-4	3.5	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	5.40
	P5-X	ST-105	.25	5	2 $\frac{1}{4}$	4	$\frac{9}{16}$	3-4	2.5		4.30
	P5-X	ST-740	.25	5	2 $\frac{1}{4}$	4	$\frac{9}{16}$	45-50	2.5		4.95
4"	P-4X	ST-113	.25	5	2	3 $\frac{1}{2}$	$\frac{9}{16}$	3-4	2.0	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	4.15
	P-4X	ST-739	.25	5	2	3 $\frac{1}{2}$	$\frac{9}{16}$	45-50	2.0		4.85

* Size recommended. See Transformer listing pages 25-27. †Millions of ergs.



Jensen "Standard Series" SPEAKERS

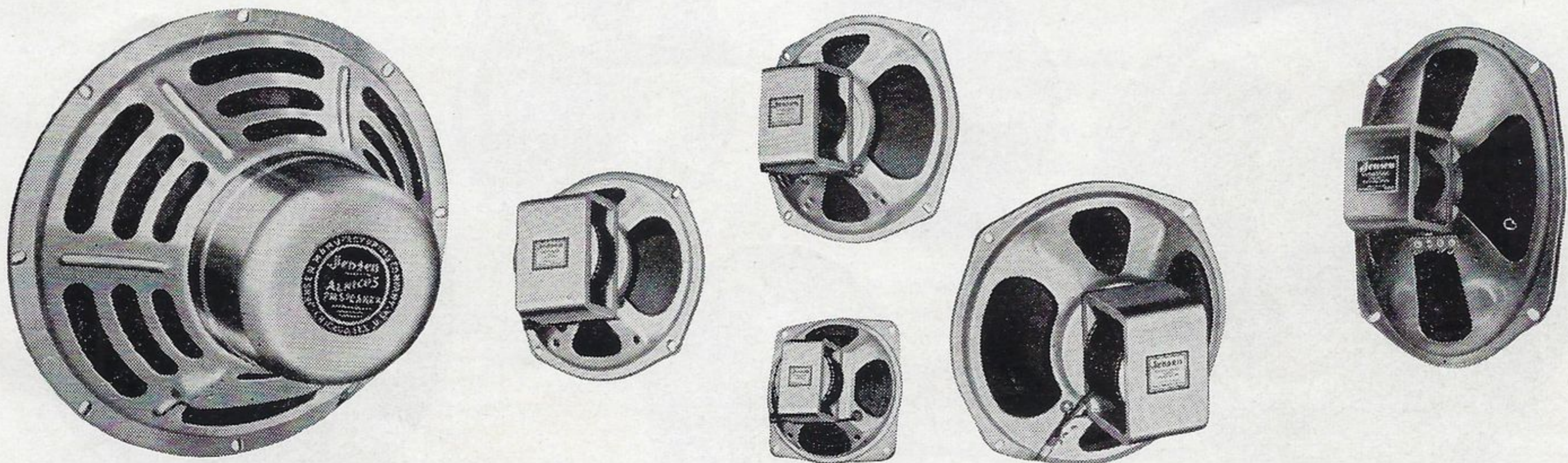
FIELD COIL MODELS

Like their PM counterparts, Standard Series field coil models have been completely redesigned and are equipped with hum neutralizing coils. Finish is alum-

inum. Models listed on this page are standard fidelity. See page 6 for Extended H-F Range versions of Standard and Concert Series speakers.

NOMI- NAL SIZE	MODEL NO.	STOCK NO.	†GAP ENERGY LEVEL	DIMENSIONS, INCHES			VOICE COIL			FIELD		*TRANS- FORMER SIZE	LIST PRICE
				O.D.	DEPTH	BAFFLE OPEN.	DIAM., IN.	IMPED., OHMS	POWER WATTS	RESIST., OHMS	POWER WATTS		
12"	F12-S	ST-744	1.5	12 $\frac{1}{8}$	6 $\frac{7}{16}$	10 $\frac{1}{2}$	1	3-4	10.0	1000	8.5		\$14.60
	F12-S	ST-173	1.5	12 $\frac{1}{8}$	6 $\frac{7}{16}$	10 $\frac{1}{2}$	1	3-4	10.0	1500	8.5	7 $\frac{1}{8}$ x7 $\frac{1}{8}$ "	14.60
10"	F10-S	ST-745	1.5	10 $\frac{1}{8}$	5 $\frac{5}{8}$	8 $\frac{3}{4}$	1	3-4	9.0	750	8.5		12.25
	F10-S	ST-175	1.5	10 $\frac{1}{8}$	5 $\frac{5}{8}$	8 $\frac{3}{4}$	1	3-4	9.0	1500	8.5	3 $\frac{1}{4}$ x3 $\frac{1}{4}$ "	12.70
6x9"	F69-T	ST-814	1.1	6 $\frac{3}{8}$	4 $\frac{1}{16}$	5 $\frac{3}{8}$	3 $\frac{1}{4}$	3-4	7.5	#5.2	7.0	3 $\frac{1}{4}$ x3 $\frac{1}{4}$ "	9.25
	F69-U	ST-813	.74	9 $\frac{1}{4}$	3 $\frac{1}{2}$	8 $\frac{1}{8}$	3 $\frac{1}{4}$	3-4	6.0	#6.0	6.0	5 $\frac{1}{8}$ x5 $\frac{1}{8}$ "	7.95
8"	F8-S	ST-746	1.5	8 $\frac{1}{8}$	4 $\frac{9}{16}$	6 $\frac{3}{4}$	1	3-4	8.0	750	8.5	3 $\frac{1}{4}$ x3 $\frac{1}{4}$ "	10.65
	F8-S	ST-177	1.5	8 $\frac{1}{8}$	4 $\frac{9}{16}$	6 $\frac{3}{4}$	1	3-4	8.0	1500	8.5	3 $\frac{1}{4}$ x3 $\frac{1}{4}$ "	11.10
	F8-T	ST-179	1.1	8 $\frac{1}{8}$	4 $\frac{1}{8}$	6 $\frac{3}{4}$	3 $\frac{1}{4}$	3-4	7.0	1000	7.0	3 $\frac{1}{4}$ x3 $\frac{1}{4}$ "	8.85
	F8-T	ST-180	1.1	8 $\frac{1}{8}$	4 $\frac{1}{8}$	6 $\frac{3}{4}$	3 $\frac{1}{4}$	3-4	7.0	†1800	7.0	3 $\frac{1}{4}$ x3 $\frac{1}{4}$ "	8.95
	F8-W	ST-736	.36	8 $\frac{1}{8}$	3 $\frac{3}{8}$	6 $\frac{3}{4}$	3 $\frac{1}{4}$	3-4	4.0	1000	5.0	5 $\frac{1}{8}$ x5 $\frac{1}{8}$ "	6.65
	F8-W	ST-737	.36	8 $\frac{1}{8}$	3 $\frac{3}{8}$	6 $\frac{3}{4}$	3 $\frac{1}{4}$	3-4	4.0	†1800	5.0	5 $\frac{1}{8}$ x5 $\frac{1}{8}$ "	7.00
7"	F7-T	ST-809	1.1	7 $\frac{5}{8}$	3 $\frac{13}{16}$	6	3 $\frac{1}{4}$	3-4	7.0	#5.2	7.0		8.65
	F7-U	ST-808	.74	7 $\frac{5}{8}$	3 $\frac{1}{4}$	6	3 $\frac{1}{4}$	3-4	5.5	#6.0	6.0	3 $\frac{1}{4}$ x3 $\frac{1}{4}$ "	7.45
6"	F6-U	ST-186	.74	6 $\frac{11}{16}$	3 $\frac{3}{8}$	5 $\frac{1}{4}$	3 $\frac{1}{4}$	3-4	5.0	1000	6.0	5 $\frac{1}{8}$ x5 $\frac{1}{8}$ "	6.75
	F6-U	ST-187	.74	6 $\frac{11}{16}$	3 $\frac{3}{8}$	5 $\frac{1}{4}$	3 $\frac{1}{4}$	3-4	5.0	†1800	6.0	5 $\frac{1}{8}$ x5 $\frac{1}{8}$ "	6.75
	F6-X	ST-189	.25	6 $\frac{11}{16}$	2 $\frac{15}{16}$	5 $\frac{1}{4}$	9 $\frac{1}{16}$	3-4	3.0	450	4.5	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	5.55
	F6-X	ST-166	.25	6 $\frac{11}{16}$	2 $\frac{15}{16}$	5 $\frac{1}{4}$	9 $\frac{1}{16}$	3-4	3.0	1000	4.5	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	5.65
	F6-X	ST-168	.25	6 $\frac{11}{16}$	2 $\frac{15}{16}$	5 $\frac{1}{4}$	9 $\frac{1}{16}$	3-4	3.0	†1800	4.5	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	5.90
	F6-X	ST-190	.25	6 $\frac{11}{16}$	2 $\frac{15}{16}$	5 $\frac{1}{4}$	9 $\frac{1}{16}$	3-4	3.0	2800	4.5	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	5.80
5"	F5-W	ST-191	.36	5	2 $\frac{1}{2}$	4	3 $\frac{1}{4}$	3-4	3.0	2000	5.0		5.85
	F5-W	ST-192	.36	5	2 $\frac{1}{2}$	4	3 $\frac{1}{4}$	3-4	3.0	†1800	5.0		6.20
	F5-X	ST-194	.25	5	2 $\frac{7}{16}$	4	9 $\frac{1}{16}$	3-4	2.5	450	4.5	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	5.35
	F5-X	ST-165	.25	5	2 $\frac{7}{16}$	4	9 $\frac{1}{16}$	3-4	2.5	1000	4.5		5.40
	F5-X	ST-167	.25	5	2 $\frac{7}{16}$	4	9 $\frac{1}{16}$	3-4	2.5	†1800	4.5		5.65
	F5-X	ST-195	.25	5	2 $\frac{7}{16}$	4	9 $\frac{1}{16}$	3-4	2.5	2800	4.5		5.60
4"	F4-X	ST-196	.25	5	2 $\frac{1}{4}$	3 $\frac{1}{2}$	9 $\frac{1}{16}$	3-4	2.0	450	4.5		5.15
	F4-X	ST-164	.25	5	2 $\frac{1}{4}$	3 $\frac{1}{2}$	9 $\frac{1}{16}$	3-4	2.0	1000	4.5	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	5.20
	F4-X	ST-198	.25	5	2 $\frac{1}{4}$	3 $\frac{1}{2}$	9 $\frac{1}{16}$	3-4	2.0	2800	4.5		5.40

* Size recommended. See Transformer listing pages 25-27. † Millions of ergs. ‡ Tapped at 300 ohms. 1500-ohm section can be used at full power excitation. Field resistance for full excitation will rise approximately 20%. # For 6-Volt operation.



Jensen "Concert Series" SPEAKERS

JENSEN Concert Series speakers have long been known and acclaimed by the trade and by users for their *plus* performance. From the earliest days, Concert speakers have been recognized by such familiar designations as A12-PM, PM8-C and others and have been known as the finest speakers anywhere available for heavy-duty applications. Now, in greatly improved design, they are highly recommended for

any purpose where exceptional power handling ability and high-quality performance are essential. Standard fidelity models are listed on this page. See page 6 for Extended H-F Range versions of both Standard and Concert Series models.

Concert speakers are attractively finished in blue-gray lacquer and completely dustproofed. Field coil models are equipped with hum neutralizing coils.

ALNICO 5 PM MODELS

NOMI- NAL SIZE	MODEL NO.	STOCK NO.	†GAP ENERGY LEVEL	DIMENSIONS, INCHES			VOICE COIL			*TRANS- FORMER SIZE	LIST PRICE
				O.D.	DEPTH	BAFFLE OPEN.	DIAM. IN.	IMPED., OHMS	POWER, WATTS		
15"	P15-N	ST-654	6.6	15 $\frac{1}{8}$	8	13 $\frac{1}{4}$	1 $\frac{1}{2}$	8	20.0	1x1"	\$55.00
	P15-P	ST-655	4.6	15 $\frac{1}{8}$	8	13 $\frac{1}{4}$	1 $\frac{1}{2}$	8	18.0	1x1"	47.25
	P15-Q	ST-678	3.2	15 $\frac{1}{8}$	8	13 $\frac{1}{4}$	1 $\frac{1}{4}$	8	16.0	$\frac{7}{8}$ x $\frac{7}{8}$ "	35.00
12"	P12-N	ST-656	6.6	12 $\frac{1}{16}$	7	10 $\frac{1}{2}$	1 $\frac{1}{2}$	8	18.0	1x1"	49.00
	P12-P	ST-657	4.6	12 $\frac{1}{8}$	6 $\frac{7}{16}$	10 $\frac{1}{2}$	1 $\frac{1}{2}$	8	16.0	$\frac{7}{8}$ x $\frac{7}{8}$ "	40.00
	P12-Q	ST-673	3.2	12 $\frac{1}{8}$	6 $\frac{1}{16}$	10 $\frac{1}{2}$	1 $\frac{1}{4}$	8	14.0	$\frac{7}{8}$ x $\frac{7}{8}$ "	27.75
	P12-R	ST-103	2.2	12 $\frac{1}{8}$	6 $\frac{1}{16}$	10 $\frac{1}{2}$	1	6-8	12.0	$\frac{7}{8}$ x $\frac{7}{8}$ "	19.50
10"	P10-Q	ST-676	3.2	10 $\frac{1}{8}$	5 $\frac{1}{4}$	8 $\frac{3}{4}$	1 $\frac{1}{4}$	8	12.0	$\frac{7}{8}$ x $\frac{7}{8}$ "	26.30
	P10-R	ST-121	2.2	10 $\frac{1}{8}$	5 $\frac{1}{4}$	8 $\frac{3}{4}$	1	6-8	10.0	$\frac{7}{8}$ x $\frac{7}{8}$ "	18.50
8"	P8-Q	ST-677	3.2	8 $\frac{1}{8}$	4 $\frac{15}{16}$	6 $\frac{3}{4}$	1 $\frac{1}{4}$	8	10.0	$\frac{7}{8}$ x $\frac{7}{8}$ "	24.20
	P8-R	ST-169	2.2	8 $\frac{1}{8}$	4	6 $\frac{3}{4}$	1	6-8	9.0	$\frac{3}{4}$ x $\frac{3}{4}$ "	15.25

Model P8-Q weatherproof design. No transformer mounting facilities.

FIELD COIL MODELS

NOMI- NAL SIZE	MODEL NO.	STOCK NO.	†GAP ENERGY LEVEL	DIMENSIONS, INCHES			VOICE COIL			FIELD		*TRANS- FORMER SIZE	LIST PRICE
				O. D.	DEPTH	BAFFLE OPEN.	DIAM., IN.	IMPED., OHMS	POWER WATTS	RESIST., OHMS	POWER WATTS		
15"	F15-N	ST-661	6.6	15 $\frac{1}{8}$	8 $\frac{3}{8}$	13 $\frac{1}{4}$	1 $\frac{1}{2}$	8	20.0	4000	17.5	1x1"	\$44.00
	F15-N	ST-662	6.6	15 $\frac{1}{8}$	8 $\frac{3}{8}$	13 $\frac{1}{4}$	1 $\frac{1}{2}$	8	20.0	5300	17.5	1x1"	44.00
	F15-Q	ST-663	3.2	15 $\frac{1}{8}$	8 $\frac{3}{8}$	13 $\frac{1}{4}$	1 $\frac{1}{4}$	8	16.0	1000	12.0	$\frac{7}{8}$ x $\frac{7}{8}$ "	28.50
12"	F12-N	ST-666	6.6	12 $\frac{1}{16}$	7 $\frac{13}{16}$	10 $\frac{1}{2}$	1 $\frac{1}{2}$	8	18.0	4000	17.5	1x1"	36.50
	F12-N	ST-667	6.6	12 $\frac{1}{16}$	7 $\frac{13}{16}$	10 $\frac{1}{2}$	1 $\frac{1}{2}$	8	18.0	5300	17.5	1x1"	36.50
	F12-Q	ST-668	3.2	12 $\frac{1}{8}$	7 $\frac{13}{16}$	10 $\frac{1}{2}$	1 $\frac{1}{4}$	8	14.0	1000	12.0	$\frac{7}{8}$ x $\frac{7}{8}$ "	21.00

* Size recommended. See Transformer listing pages 25-27. † Millions of ergs. Field resistance for full excitation will rise approximately 20%.



Jensen "Special Series" SPEAKERS

MODEL RK-51 REPRODUCER

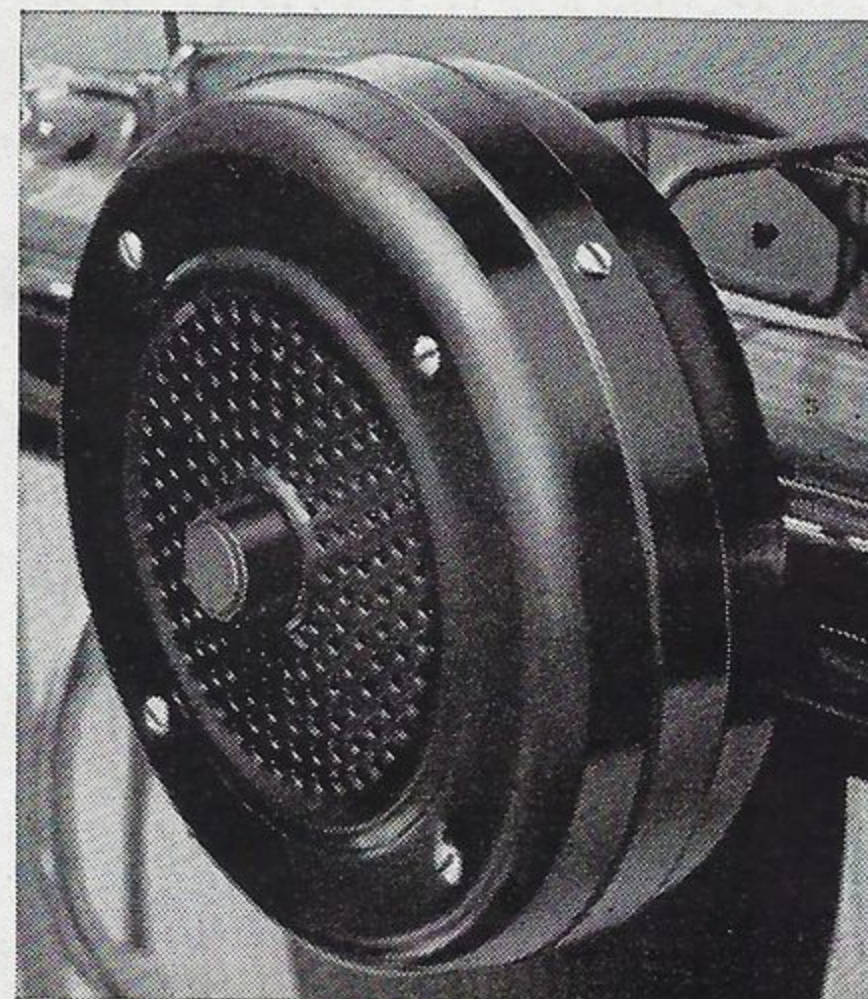
The sturdy, rugged case of Model RK-51 Reproducer is of heavy-gauge drawn steel, weatherproofed and finished in hammered baked maroon enamel. The speaker unit, a 5-inch weatherproofed PM model, is doubly protected from the weather by a splash screen within the case. The front of the reproducer has a pattern of extruded holes with volume control knob mounted in its center for easy adjustment. Volume of speaker is controlled by a constant-input impedance L-pad. Space is provided within the case for mounting a 1/2x1/2-inch core transformer if desired.

For drive-in theatre applications, the heavy rubber-covered wire hanger fits easily over the car door sill when the window is rolled down or over the partly opened glass in inclement weather. A six-foot, two-conductor cable is furnished with the reproducer.

Input impedance, 3-4 ohms. Power rating, 5 watts maximum signal input. Dimensions: overall diameter, 8 inches; depth, 3-3/4 inches. Shipping weight, 4-1/2 lbs.

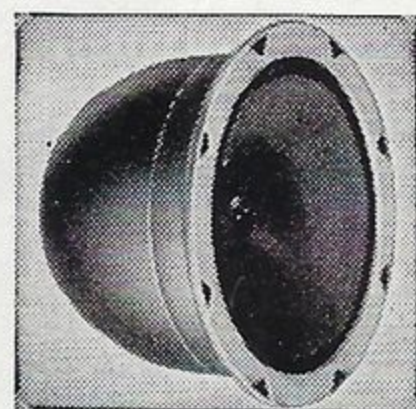
List Price

Model RK-51 Reproducer, ST-752\$22.50



ACCESSORIES

Q8-P H-F UNIT



The h-f unit used in Coaxial Models JAP-60 and JHP-52. Designed to reproduce frequencies from 2,000 to 15,000 cps when used with a dividing network such as A40-1 and a suitable l-f speaker. Impedance, 16 ohms. Overall diameter, 5 1/2 inches. Depth, 3 5/8 inches. PM design. Shipping weight, 3 1/2 lbs.

List Price

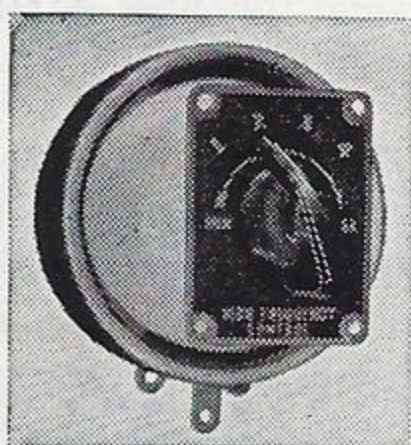
Q8-P H-F Unit, ST-589\$14.65

Mounting Arms, ST-605

For Q8-P, for 15" RMA Standard.....1.60

H-F CONTROL

A simplified system of fidelity control which can be added to Model JRP-40 Coaxial or other multi-channel speakers. Easily connected to terminals which are provided for this purpose on the speaker. By means of this control the level contributed by the h-f speaker unit can be adjusted, thus permitting instant accommodation to program quality and listener preference. It can also be used as a general purpose, 15-watt level control. Complete with bronze escutcheon and small bar knob.



List Price

H-F Control, ST-606 16 ohms, 15 watt rating.....\$3.00

A40-1 NETWORK



This uniquely designed two-channel network is offered to those who wish to assemble their own two-way speaker systems, or to add a h-f speaker to an existing single speaker installation. Frequency division is at 3,500 cps with an attenuation outside pass band at 10-12 db per octave. L-f channel will accommodate any suitable 8-ohm, 12-inch or 15-inch speaker. High channel will take one to four Q8-P h-f

speakers (16-ohm, 8-ohm, and 4-ohm taps). Input impedance, 500-600 ohms. H-F Range Control Switch included. Shipping weight, 6 lbs.

List Price

A40-1 Network, ST-604\$39.40

LEVEL CONTROLS

These L-pad type controls are highly satisfactory for use in low-impedance circuits. Complete with pointer knob and escutcheon.

List Price

Level Control, ST-276

6-8 ohms, 5-watt rating.....\$2.20

Level Control, ST-760

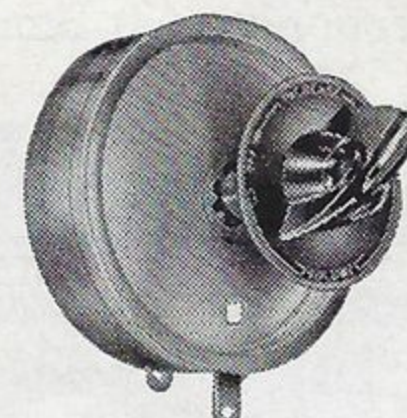
3-4 ohms, 5-watt rating..... 2.20

Level Control, ST-761

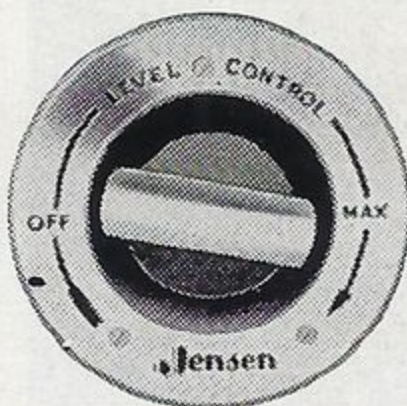
500-600 ohms, 15-watt rating.... 3.50

Level Control, ST-411

6-8 ohms, 15-watt rating..... 3.00



COAXIAL CONTROLS



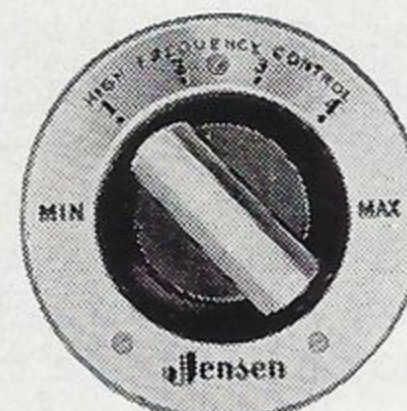
These two controls are now regularly furnished with all 15-inch Coaxial speakers. They must be provided for all 15-inch Coaxials which are equipped with the former range control switch to replace that control, if such speakers are to be installed in Customode cabinets.

LEVEL CONTROL, ST-783. A 500-ohm L-pad for use in the input of 15-inch Co-

axial speakers. Complete with satin finish brass cup escutcheon, bar knob and mounting screws.

RANGE CONTROL SWITCH, ST-784.

A 4-position selector switch, operating in the h-f range, to adjust speaker performance to any type of program material. Complete with satin finish brass cup escutcheon, bar knob and mounting screws.





The LOUDSPEAKERS that give you all 7 Performance Points for

MORE THRILLING, MORE LIFE-LIKE SOUND REPRODUCTION

Now, for the first time, a complete series of loudspeakers is available to meet all needs for high quality reproduction—every cost, size and degree-of-performance requirement—in the new Genuine JENSEN Wide-Range series.

Included in the Genuine JENSEN Wide-Range series are the following types:

- Single-Unit Extended-Range Loudspeakers (5" to 15")
- Coaxial 2-Way High-Fidelity Loudspeaker Systems (12" and 15")

Every loudspeaker and loudspeaker system in the series has been designed with the same objective . . . the achievement of the finest possible reproduction of music attainable for the size and type. Every model in the series sets a new high standard of performance . . . a new value . . . makes listening a thrilling new experience.

WHAT GENUINE JENSEN WIDE-RANGE MEANS

Mere extension of response to high frequencies is not enough to insure truly satisfying reproduction . . . good listening which *improves* with closer acquaintance. Much more is required to make music come to life, free from annoying factors which might mar the illusion of reality. So, by application of the most modern principles of acoustics, confirmed by precise measurements and checked by exhaustive quality judgments and comparative listening tests, Genuine JENSEN Wide-Range loudspeakers give you all 7 *Performance Points* for enhanced listening pleasure: (1) Wide Frequency Range, (2) Balanced Frequency Response, (3) Smooth Reproduction, (4) Wide-Angle

Distribution, (5) Low Distortion, (6) Good Efficiency, and (7) Adequate Power-Handling Capacity.

And add to all this extra features for convenience and reliability . . . the rugged dependability of sound design and skilled workmanship . . . the famous JENSEN "know how" behind the product at every stage.

Thus Genuine JENSEN Wide Range means much more than wide frequency range—it means superior performance all the way—in every attribute that makes for enhanced listening pleasure.

Whatever the limitations of cost or size the choice of a loudspeaker from the Genuine JENSEN Wide-Range series automatically insures a maximum of performance to today's new high standards . . . a judicious choice to meet exact needs. Only in the Genuine JENSEN Wide-Range series can you make such an exact choice.

EXCLUSIVE NEW DEVELOPMENTS

Throughout the Genuine JENSEN Wide-Range series will be found exclusive technical features not available in any other loudspeakers. Among these are: the JENSEN articulated cone-horn which leads to maximum compactness in a multiple speaker system; annular form Diaplane radiator for smooth response; Hypex contour horns for maximum transmission bandwidth; the wide-angle Acoustic Lens for wide-angle distribution of the highest frequencies. And these are only a few of the many JENSEN-originated features which constant research has produced in a program directed toward finer sound reproduction.

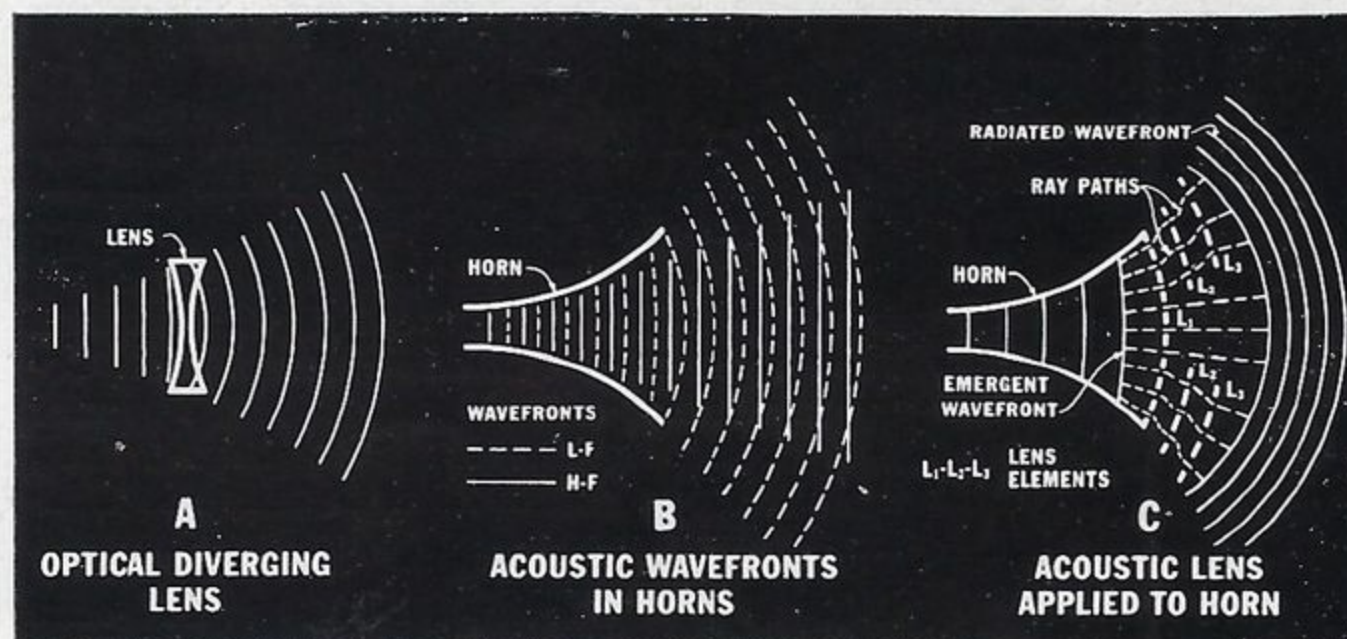
THE NEW JENSEN WIDE-ANGLE ACOUSTIC LENS

Proper wide-angle distribution of the high frequencies radiated from a loudspeaker is one of the subtle factors which adds realism to reproduction.

JENSEN research has developed a truly effective means of extending wide-angle radiation out to the very highest frequencies reproduced by very wide-range loudspeaker systems. This is the Wide-Angle ACOUSTIC LENS—another important "first" in loudspeakers by JENSEN. As the name suggests, the lens borrows a principle from optics which has now been applied effectively to acoustics. Model H-510 Coaxial system is first to incorporate this new development.

As illustrated in Fig. A, the optical diverging lens operates by slowing down the transmission of light in the progressively thicker outer section. The central rays thus advance farther in a given time than those emerging from the edge so that the wave front has the desired spherical form. Fig. B shows the departure from the spherical front typical of medium-frequency radiation from a small acoustic unit (horn), to a more

nearly plane or "beam" front at the highest frequencies. Fig. C shows the corrective action of the lens in the desired high-frequency region, brought about by a graduated acoustic time delay which increases from center to the edge of the system. The effect is a more uniform wide-angle radiation over a very wide frequency range, and without many of the shortcomings of other methods which attempt to achieve this result.



MODEL H-510 COAXIAL

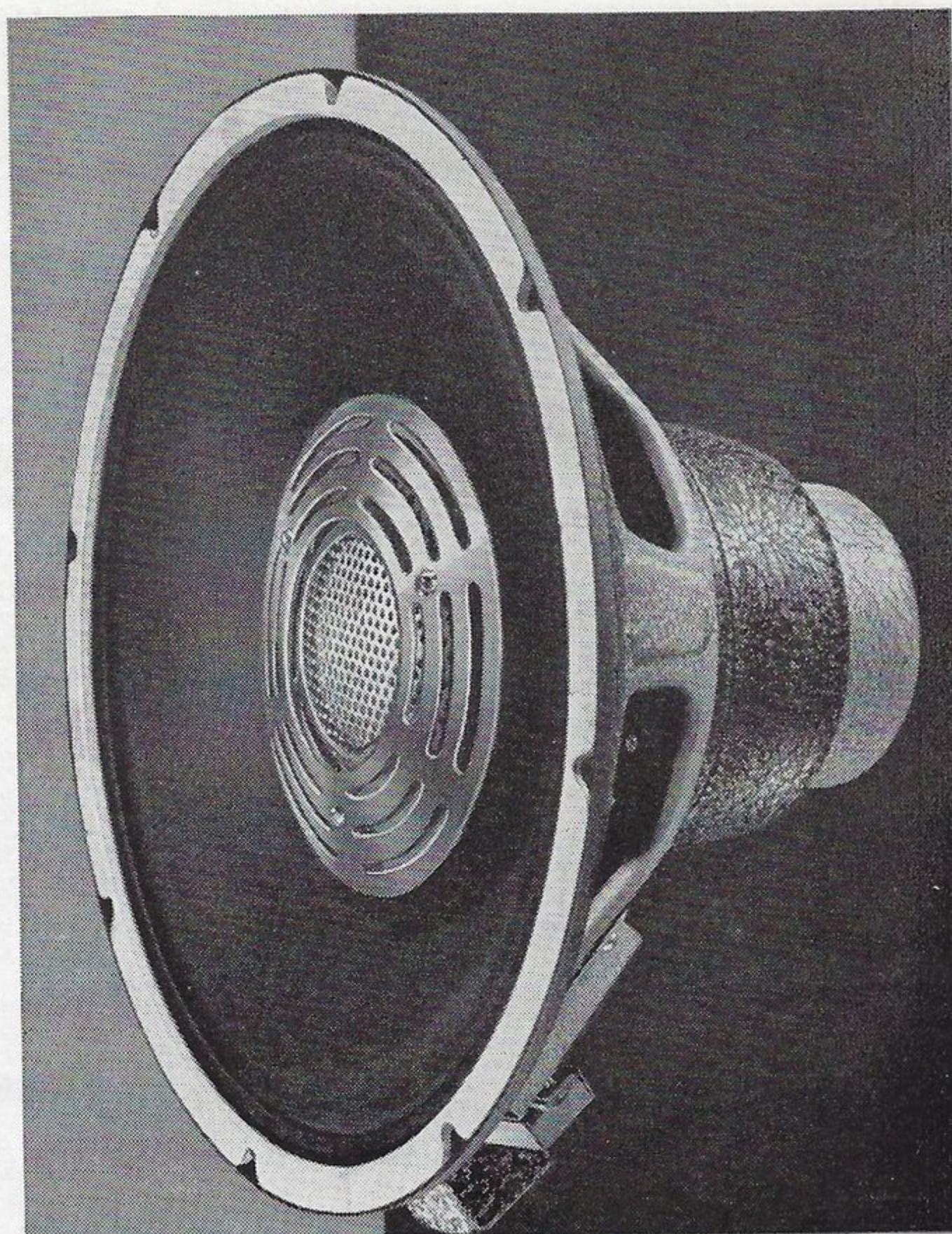
High Fidelity Loudspeaker System

with New Wide-Angle Acoustic Lens

Advanced electroacoustic design throughout all engineering details of Model H-510 has made this Coaxial loudspeaker system unsurpassed among 2-way systems for the most critical applications, including professional sound reproduction, broadcast monitoring, and distinguished home entertainment systems. A better integral two-way speaker has never been offered before at any price, and in comparative tests with the most expensive types heretofore offered, the vastly superior "presence" and the unusual cleanness and thrilling realism of reproduction of Model H-510 are impressively evident.

Model H-510 Coaxial employs a wide-angle ACOUSTIC LENS in conjunction with the Hypex formula h-f horn, for improved spatial distribution of h-f radiation. Polar pattern is uniform over a much wider angle in the critical h-f region than that attained by any other method investigated in the JENSEN laboratories, including the old practice of horn subdivision. The result is that "presence" and brilliance of reproduction are maintained essentially constant over the room, and to a degree heretofore unrealized.

A new annular Diaplane l-f radiator contributes increased smoothness of response. The high frequency range is reproduced by means of a new compression driver unit. The terminating horn passes through the pole piece of the l-f structure and is extended forward within the l-f radiator as a separate unit. Unusually high power rating and efficiency due to advanced design, Alnico 5 PM magnetic structure and superior electroacoustic engineering.



SPECIFICATIONS

Frequency Range Rating: +7 LIM.

Input Impedance: 16 ohms. (See also Type T Transformer Assembly).

Power Rating: 25 watts maximum speech and music signal input.

Network: Integral frequency-division system. (See Model A-110 Control Network for accessory H-F and Level Control facilities).

Dimensions: Baffle opening, 13½"; O.D., 15⅛"; depth, 9-9/16".

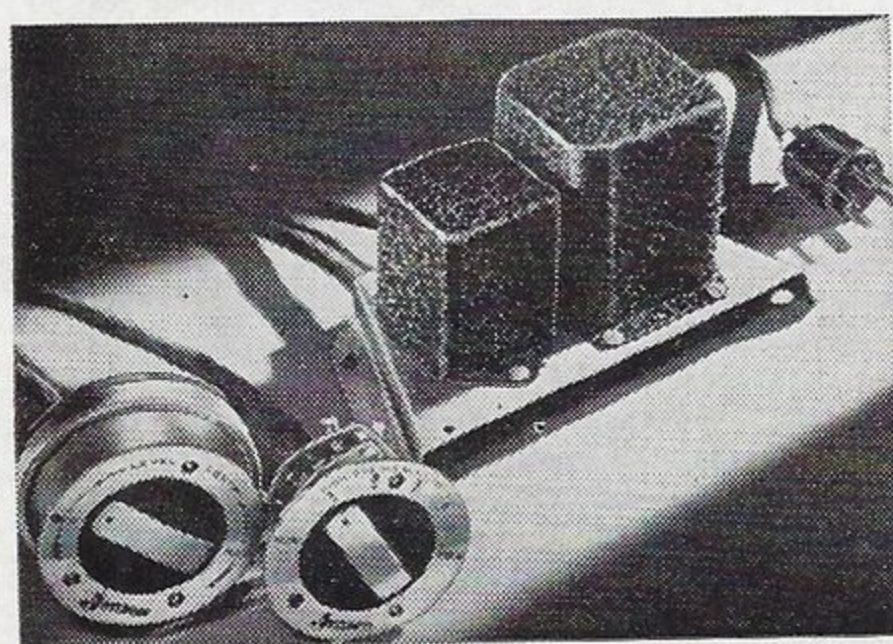
Model H-510 Coaxial, ST-828

List Price
\$135.00



CONTROL NETWORK

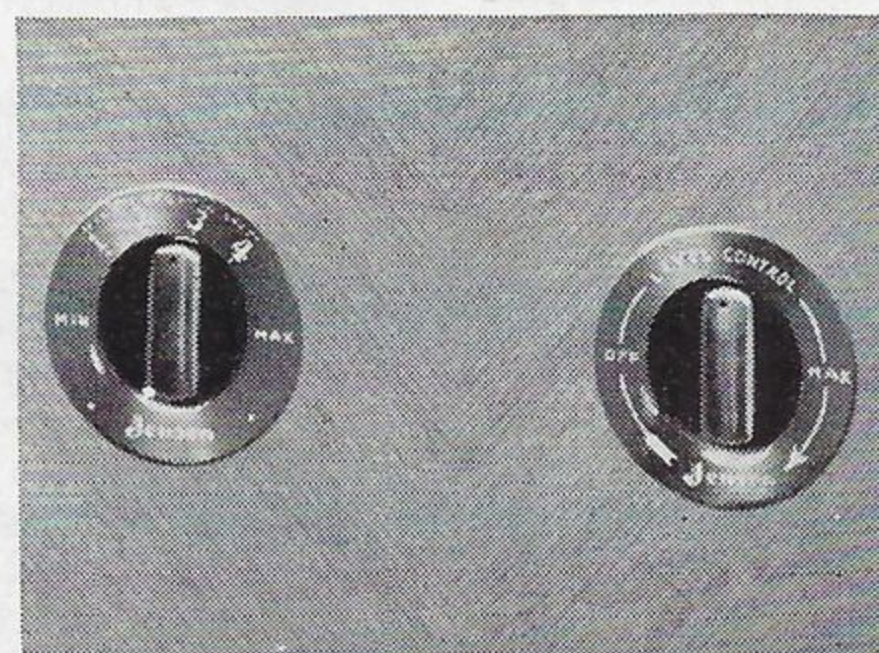
FOR H-510, K-410, K-310
COAXIAL SYSTEMS



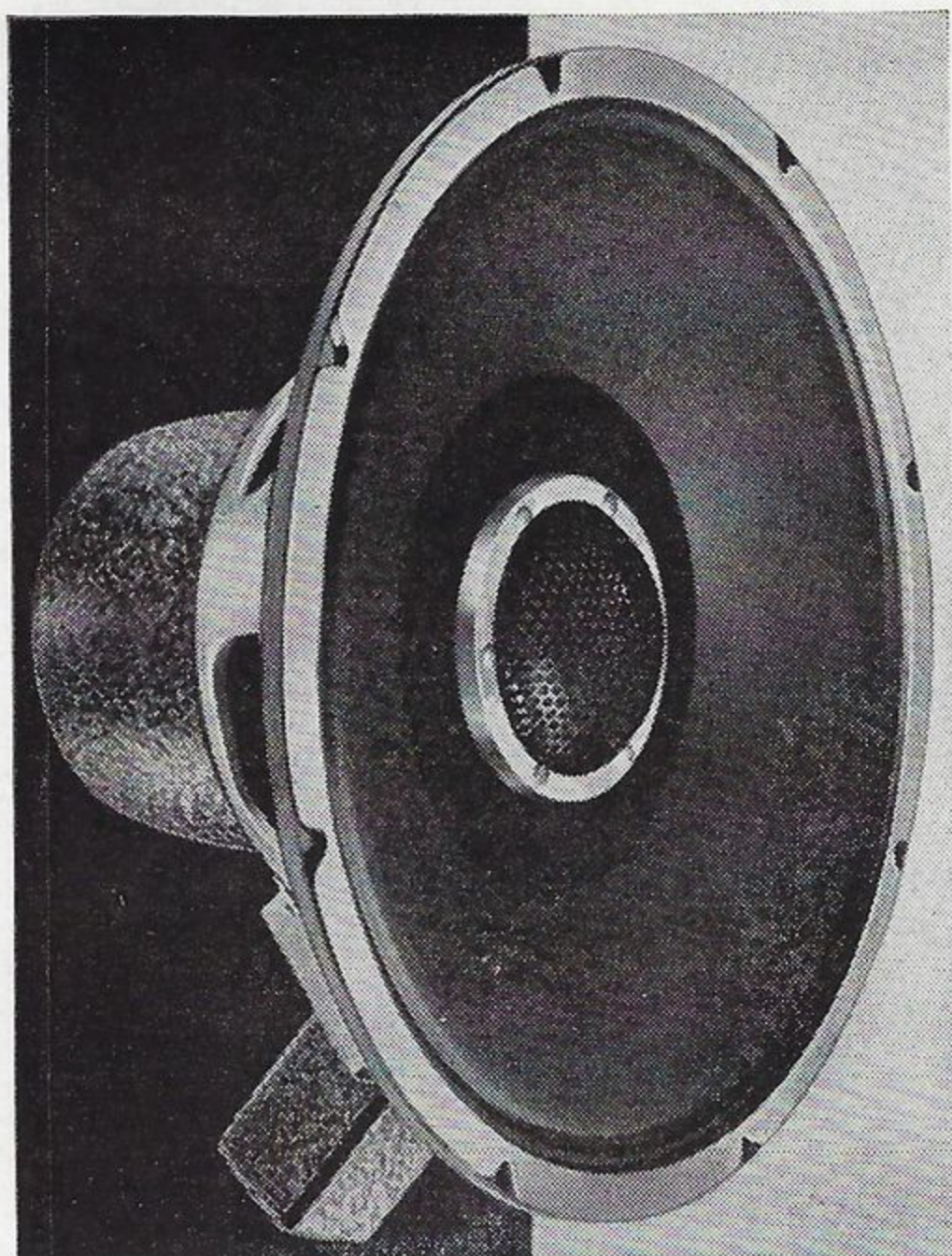
No wiring to do — just plug into socket on speaker terminal panel.

Provides adjustable level and high-frequency range controls for Models H-510, K-410 and K-310 Coaxial speakers. Mounts directly on speaker housing. Plug-in connections—no wiring changes necessary. Input impedance 16 ohms. May be used in conjunction with Impedance-Adjusting Transformers. Chassis complete with network, speaker connection cord and plug, Level Control and H-F Range Control on individual 30" cables for remote mounting on cabinet, satin brass flush-type escutcheons, bar knobs and mounting screws.

List Price
A-110 Control Network, ST-832 \$26.50



Modern flush-type controls mount on cabinet in convenient location.



MODEL K-410 COAXIAL High-Fidelity Loudspeaker System

This new Coaxial speaker achieves an entirely new order of performance in its price class and represents an outstanding value as judged by critical listeners who are experienced in evaluating reproduction quality. Recommended for professional applications, broadcast monitoring, and fine custom home entertainment systems. Exceptionally smooth response due to Diaplane l-f radiator and new piston-type h-f unit. Excellent polar characteristic. Efficiency is very high for a speaker of this type. Integral frequency-division system. Alnico 5 PM field.

SPECIFICATIONS

Frequency Range Rating: +7 LIM.

Input Impedance: 16 ohms. (See also Type T Transformer Assembly).

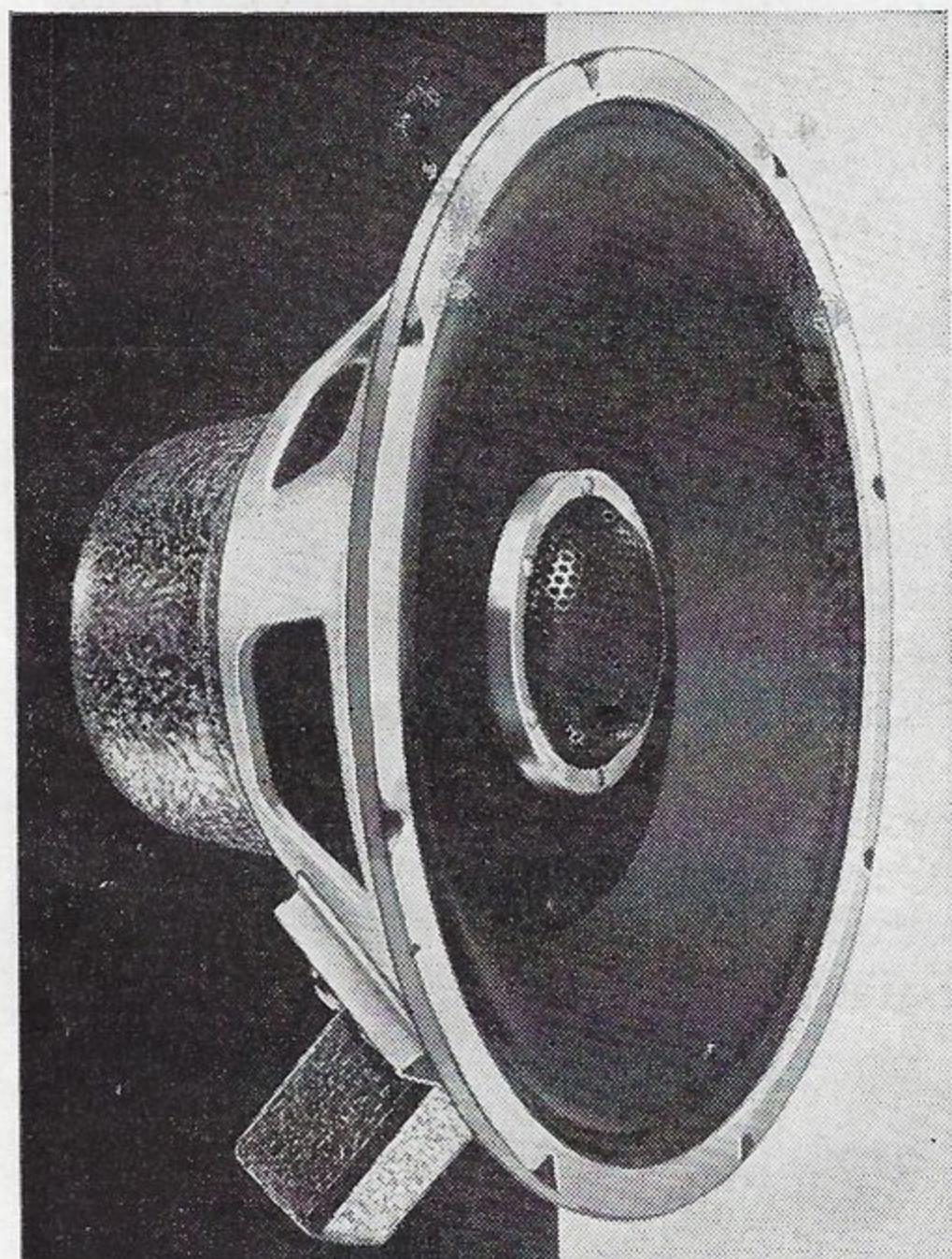
Power Rating: 20 watts maximum speech and music signal input.

Network: Integral frequency-division provided. (See Model A-110 Control Network for easily added H-F and Level Control facilities).

Dimensions: Baffle opening, 13¼"; O. D., 15½"; depth, 9".

Model K-410 Coaxial, ST-829

List Price \$94.25



MODEL K-310 COAXIAL High-Fidelity Loudspeaker System

Though Model K-310 Coaxial is the lowest-cost 15-inch Coaxial speaker, quality of reproduction is excellent. In cleanness, presence and spatial distribution of high frequencies, as well as in extent of h-f range, Model K-310 will outperform many speakers priced at substantially higher prices. Good efficiency and power rating. An eminently satisfactory loudspeaker for listeners who are hard to satisfy. Has the JENSEN Diaplane radiator and new piston-type h-f unit. Integral frequency-division system. Alnico 5 PM structure.

SPECIFICATIONS

Frequency Range Rating: +7 LIM.

Input Impedance: 16 ohms. (See also Type T Transformer Assemblies).

Power Rating: 16 watts maximum speech and music signal input.

Network: Integral frequency-division provided. (See Model A-110 Control Network for easily added H-F and Level Control facilities).

Dimensions: Baffle opening, 13¼"; O. D., 15½"; depth, 8⅞".

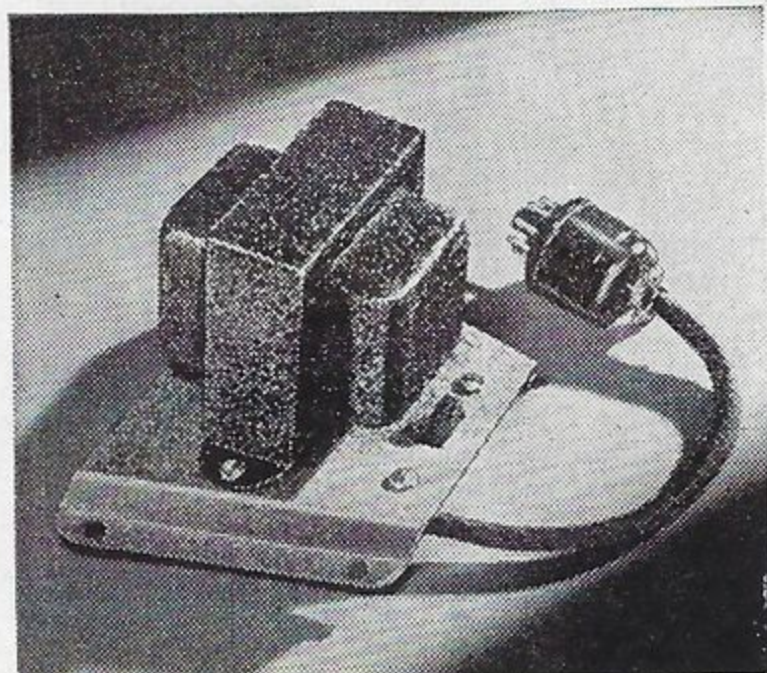
Model K-310 Coaxial, ST-830

List Price \$56.25



IMPEDANCE-ADJUSTING TRANSFORMERS

FOR H-510, K-410, K-310
COAXIAL SYSTEMS



Switch on chassis selects either of two input impedance values.

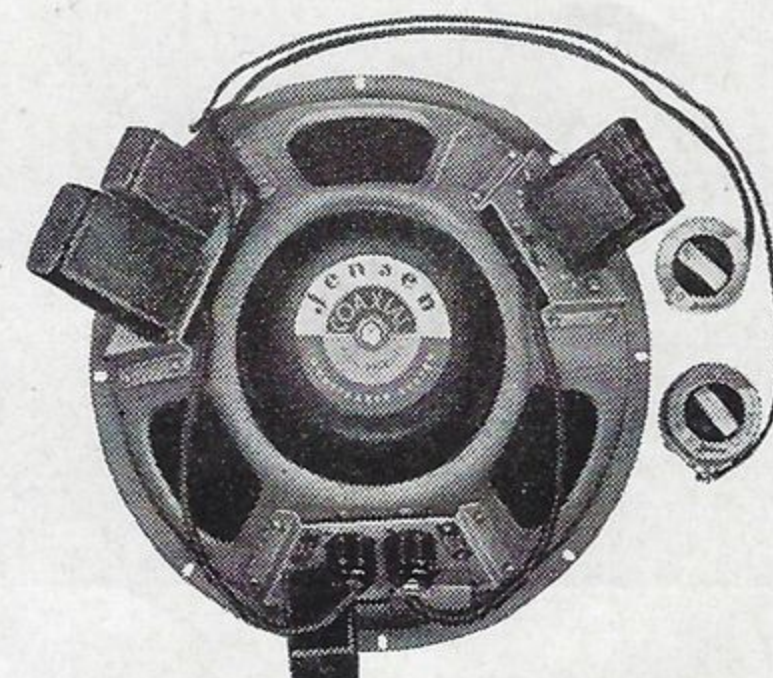
These high quality transformers have been designed to provide alternative input impedances for Models H-510, K-410 and K-310 Coaxial speakers. Excellent efficiency and high-fidelity performance. Switch on chassis gives choice of two impedance values. No wiring necessary—connecting plug is simply inserted in socket on speaker terminal panel. May be used in conjunction with Model A-110 Control Network.

List Price

Model T-101 Transformer Assembly, ST-833
Impedance of 4 and 8 ohms \$12.00

Model T-102 Transformer Assembly, ST-834
Impedances of 500-600 and 250 ohms 12.00

Model T-103 Transformer Assembly, ST-835
Impedances of 10,000 and 5,000 ohms, center tapped. For plate or high-impedance line coupling. 12.00



Rear view of assembled Control Network (left) and Impedance-Adjusting Transformer Assembly (center).

MODEL K-210 COAXIAL

2-Way High-Fidelity 12-inch Loudspeaker

Model K-210 Coaxial provides high-fidelity reproduction characteristic of the Coaxial two-way system in a unit of small size and amazingly low cost. Its compactness and low cost make it ideal for applications where these factors are limitations, as a modernizing unit for radio receivers, phonographs, and television sets equipped with 12-inch single-unit direct-radiator speakers. Complete with built-in frequency-division system. ST-836 level control may be added if necessary. Alnico 5 PM field structure.

SPECIFICATIONS

Frequency Range Rating: +7 LIM.

Input Impedance: 8 ohms. (See pages 25-27 for suitable transformers if needed).

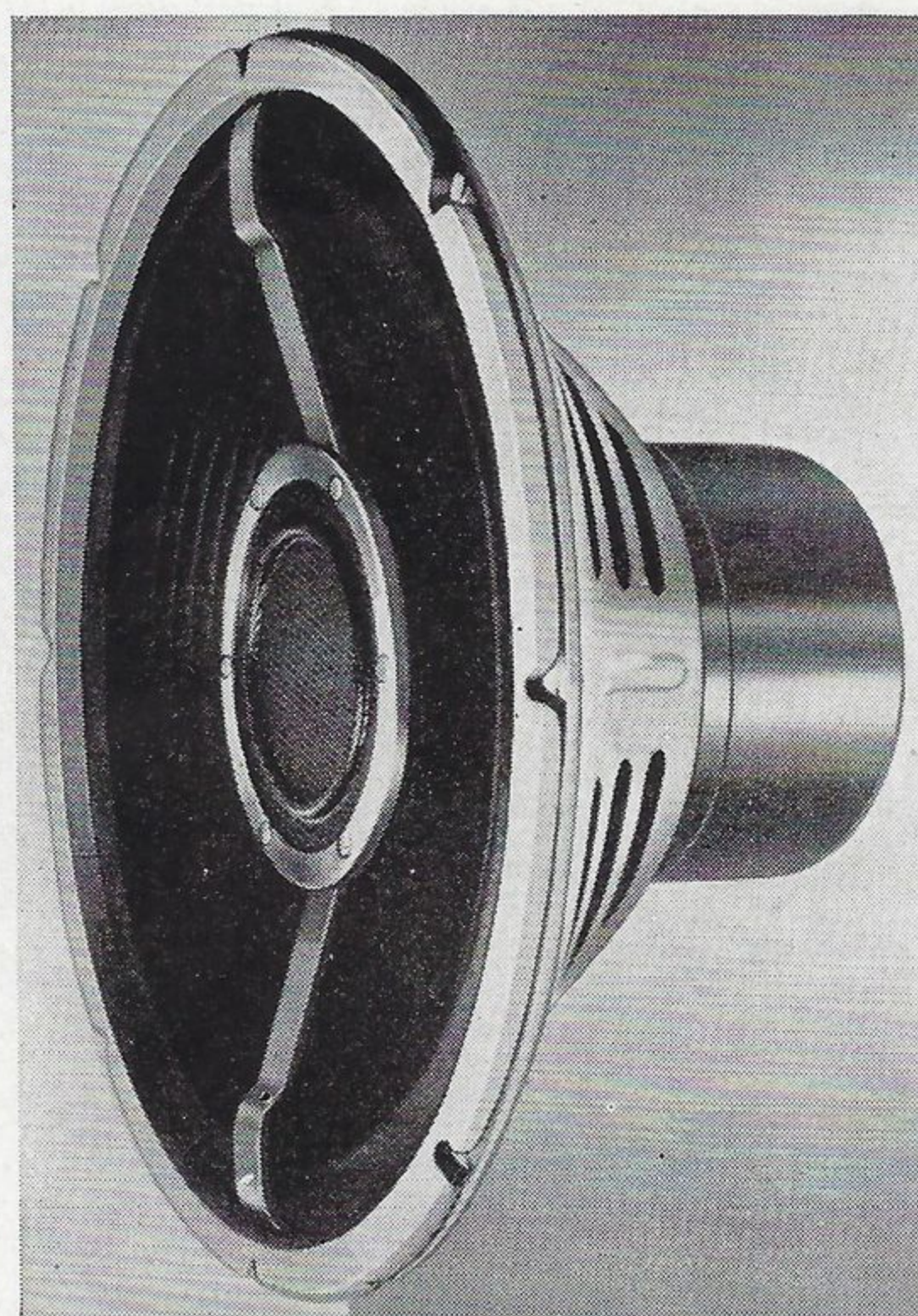
Power Rating: 12 watts maximum speech and music signal input.

Network: Built-in frequency-dividing system.

Dimensions: Baffle opening, 10½"; O.D., 12⅛"; depth, 6⅝".

Model K-210 Coaxial, ST-831

List Price
\$33.40



EXTENDED-RANGE SINGLE-UNIT LOUDSPEAKERS

JENSEN presents a new series of single-unit direct-radiator speakers eminently worthy to carry the Genuine JENSEN Wide Range label. In these units, ranging from 5-inch to 15-inch size classes, the objective was to attain the highest level of performance by proper extension of the frequency range and control of those factors which lend "presence" to reproduction quality.

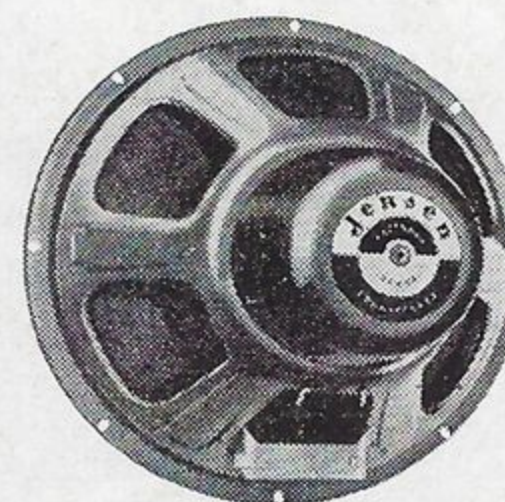
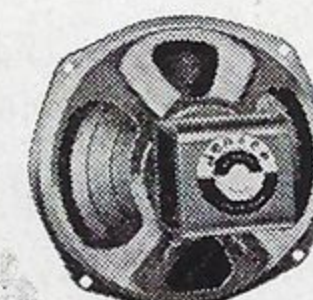
The selection of a direct-radiator loudspeaker from this series, based on size or cost appropriate to the application, automatically insures a maximum of ex-

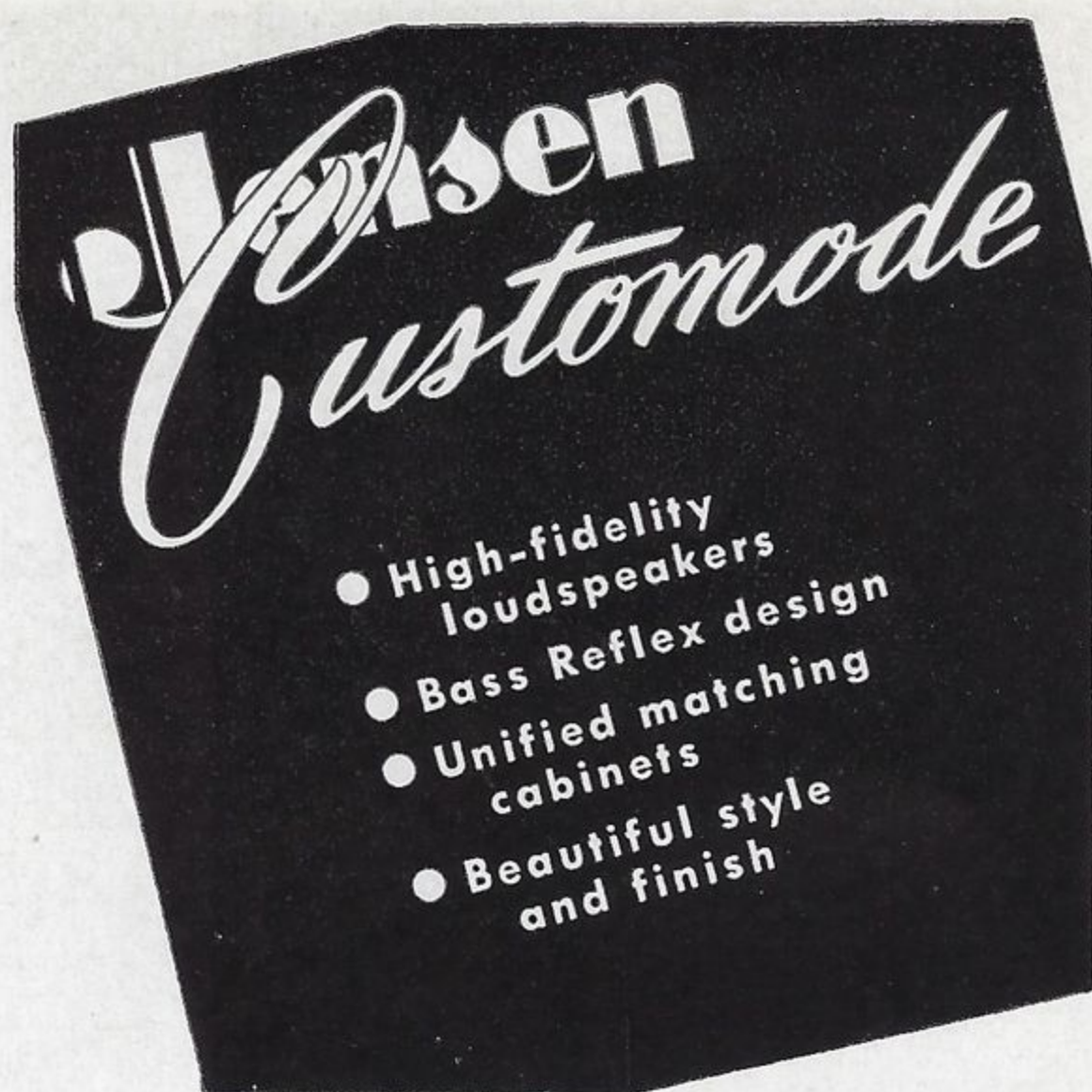
tended-range reproduction quality. Alternate models in the same size group, differing mainly in efficiency and power rating, are available in all except the two smallest sizes.

JENSEN Extended Range loudspeakers are ideal as modern replacement-improvement units for less worthy speakers in existing radio, television and record playing equipment. And of course they are the logical choice for new equipment applications. All designs listed are PM types utilizing Alnico 5.

Nominal Size	Model No.	Stock No.	*Gap Energy Level	Dimensions, Inches			Voice Coil			Transformer Size†	List Price
				O.D.	Depth	Baffle Open.	Diam. In.	Imped. Ohms	Pwr. Watts		
15"	P15-NX	ST-817	6.6	15⅞	8	13¼	1½	8	18.0	1"x1"	\$57.25
12"	P12-NX	ST-819	6.6	12⅞	7	10½	1½	8	16.0	1"x1"	51.00
	P12-RX	ST-885	2.2	12⅞	6⅞	10½	1	6-8	11.0	⅞"x⅞"	21.50
	P12-SX	ST-821	1.5	12⅞	6⅞	10½	1	6-8	9.0	⅞"x⅞"	18.00
10"	P10-RX	ST-886	2.2	10⅞	5¼	8¾	1	6-8	9.0	⅞"x⅞"	20.50
	P10-SX	ST-823	1.5	10⅞	5¼	8¾	1	6-8	8.0	¾"x¾"	16.75
8"	P8-RX	ST-887	2.2	8⅞	4	6¾	1	6-8	8.0	¾"x¾"	17.75
	P8-SX	ST-825	1.5	8⅞	3⅞	6¾	1	6-8	7.0	¾"x¾"	14.20
6"	P6-TX	ST-826	1.1	6⅞	3⅞	5¼	¾	3-4	5.0	⅝"x⅝"	9.00
5"	P5-TX	ST-827	1.1	5	2⅞	4	¾	3-4	4.0	½"x½"	8.00

*Millions of ergs. †Size Recommended.





CUSTOMODE was created to integrate fine sound reproducers and associated equipment to fit the room and to harmonize with the decorative scheme of the home. It provides the equipment enclosures you need, arranged just as you want them. Its universal "building block" flexibility assures ready adaptability to decorator layouts, to available space, to the expanding requirements of your audio-radio-video equipment. Now you can create in your home *your own* Entertainment Center . . . a modern plan for enjoyable living with the wealth of entertainment brought to you now and in the future by sound and by sight.

In the design of CUSTOMODE, four basic units were adopted — accommodating loudspeakers, amplifiers, tuners, television receivers, record changers, recorders, communications equipment, etc. First in importance, because a reproducer is the heart of any high-quality audio or radio system, is the JENSEN CUSTOMODE Bass Reflex Reproducer. This is an attractively styled and finished enclosure, embodying the famous Bass Reflex principle, and designed to house a JENSEN 15-inch speaker (Coaxial preferably).

The second CUSTOMODE basic unit is a small-sized cabinet with side-hinged door, suitable for housing tuner, amplifier, recorder, small transmitter and



Television is attractively incorporated into this CUSTOMODE assembly which comprises Reproducer cabinet and three stacked Small Utility cabinets.

the like. Installation of a motorboard and slide assembly converts this cabinet into a record changer; installation of Grille and Baffle Assembly with 8-inch speaker converts it into a Bass Reflex reproducer.

Another CUSTOMODE basic unit is a medium-sized cabinet with drop-front door. This enclosure may be used for small television receivers, communications equipment and other large components.

A fourth CUSTOMODE basic unit is a cabinet for storing records. This cabinet holds over 200 records in albums, with a top shelf for art objects or the album being played.

All four basic units are designed on a common module to permit stacking in literally hundreds of different combinations to meet present and future needs. The basic units are finished on five sides to permit placement of cabinets on sides or ends and to make possible right- or left-side door opening and corner turning. Interior surfaces are free from obstructions and the utility units have ventilated backs to carry off heat generated by equipment. Imported mahogany veneer panels. Trim solid mahogany. Flush satin-finish brass door pulls and controls. Two finishes available: Cordovan and blonde mahogany.



Arrangement on left consists of Medium Utility Cabinet suspended between Reproducer Cabinet and three stacked Small Utility Cabinets with General Purpose Cabinet on right.

Group at right consists of Reproducer Cabinet on right and a General Purpose Cabinet on its side, surmounted by two Medium Utility Cabinets.



THE 4 BASIC *Customode* UNITS

TYPE M REPRODUCER CABINET

Brings entirely new beauty and utility to the loudspeaker enclosure. Acoustically designed for JENSEN 15-inch speakers (particularly a Coaxial model) to achieve fully effective Bass Reflex performance, yet can be used with any 15-inch speaker. Ideal for separate speaker as well as basic unit in CUSTOMODE assemblies. Equally attractive on end or side. Four concealed cutouts provided, any two of which may be used for flush-type H-F and Level Controls. Furnished with Foot Assembly, unattached. Dimensions: 36" high, 24" wide, 18" deep.

Model M-252, ST-768 Blonde mahogany.

Model M-352, ST-788 Cordovan mahogany.

TYPE N SMALL UTILITY CABINET

Contains ample space for most tuners, amplifiers, record changers, recorders, small transmitters, and the like. Useful for general storage. Side-hinged door. Removable back with ventilation cutouts. Plywood veneer subpanel furnished, loose, with cleats and screws. For stack of three Cabinets, order Foot Assembly with 14" Guide Strips. For Record Changer, order Motorboard and slide assembly, ST-777 or ST-797. To convert into Bass Reflex reproducer, order Grille and Baffle Assembly, ST-839 or ST-840, and any high-fidelity 8-inch speaker, preferably an Extended-Range model. (See Accessories on following page). Outside Dimensions: 12" high, 18" wide, 18" deep. Inside Dimensions: 10½" high, 16½" wide, 17" deep.

Model N-201, ST-770 Blonde mahogany.

Model N-301, ST-790 Cordovan mahogany.

TYPE N MEDIUM UTILITY CABINET

For small television sets, communications receivers, and larger equipment. Removable utility back with ventilation cutouts. Drop-front door. Plywood veneer subpanel furnished, loose, with cleats and screws. For stack of three, order Foot Assembly with 20" Guide Strips. Outside Dimensions: 12" high, 24" wide, 18" deep. Inside Dimensions: 10½" high, 22½" wide, 17" deep.

Model N-203, ST-772 Blonde mahogany.

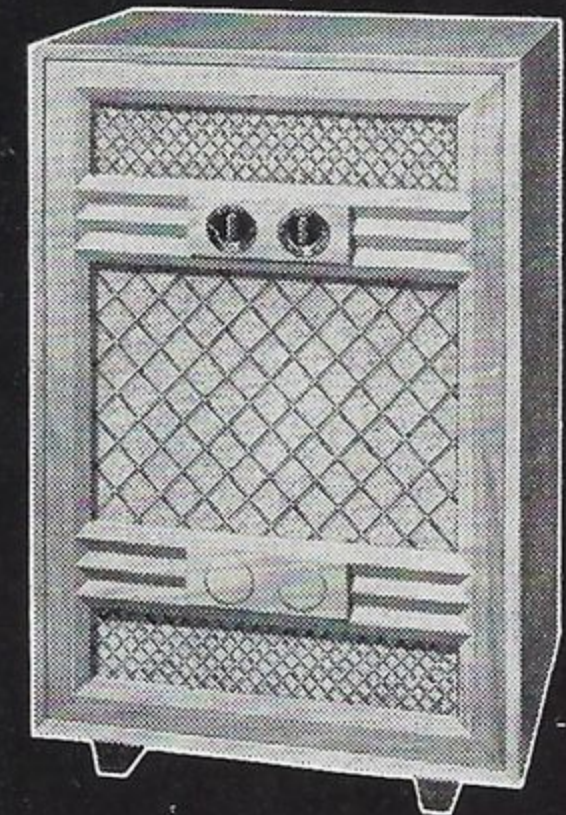
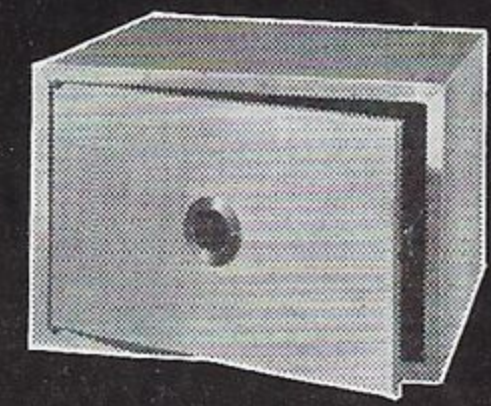
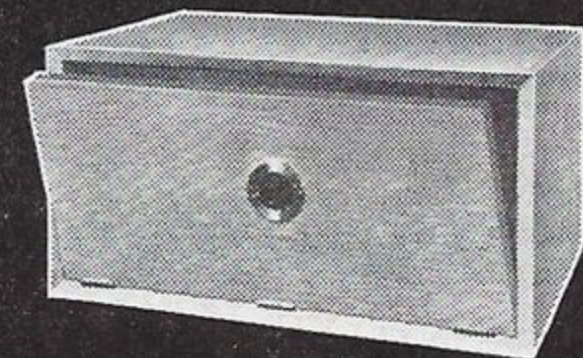
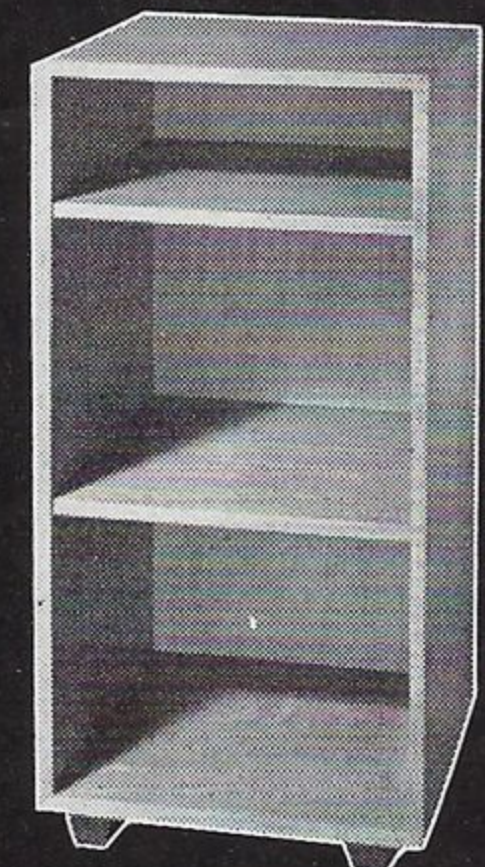
Model N-303, ST-792 Cordovan mahogany.

TYPE N GENERAL PURPOSE CABINET

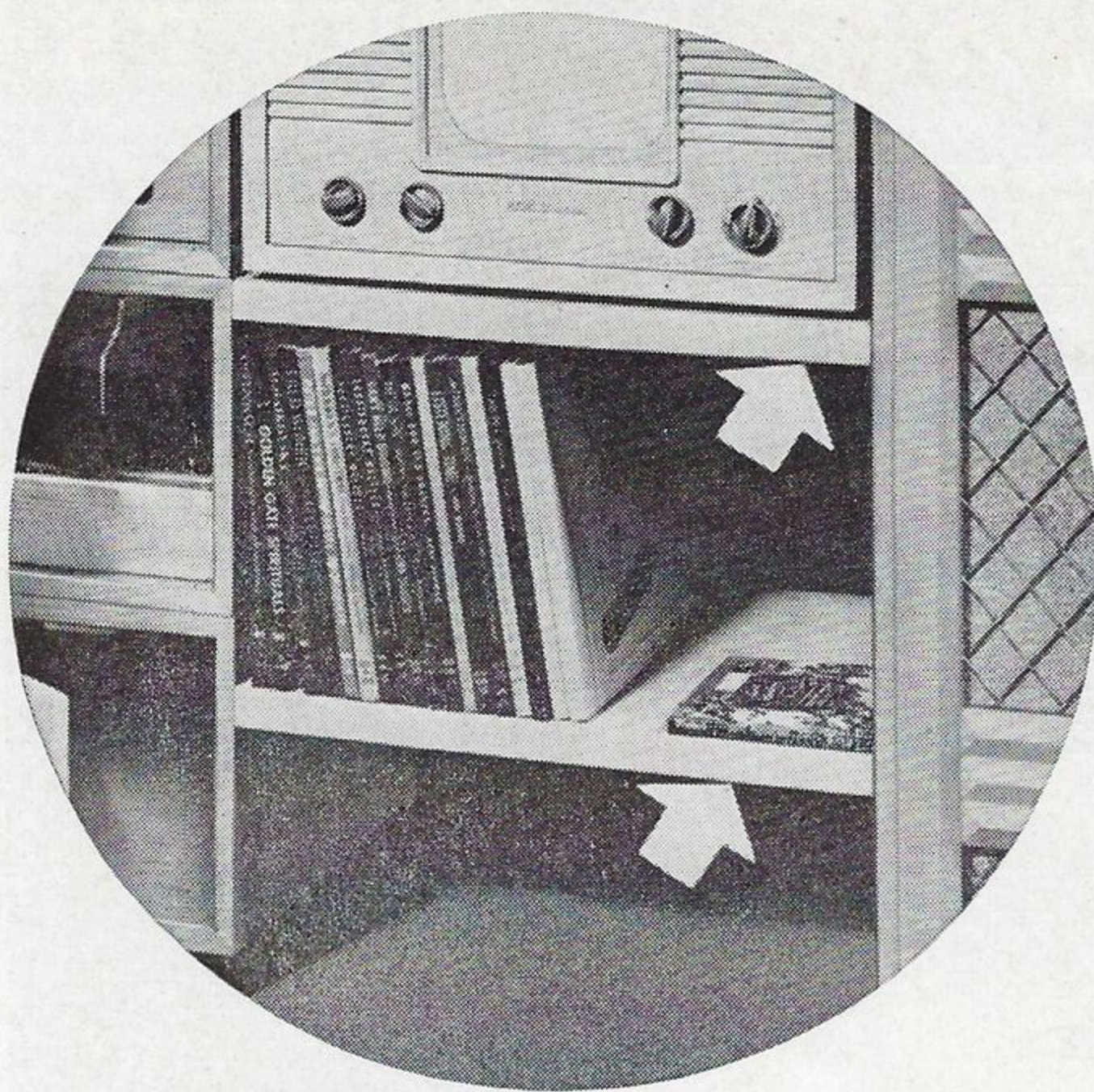
Provides storage for more than 200 12-inch or 10-inch records in standard albums. May be placed on end or side. Convenient third shelf for albums in use or bric-a-brac. Fully enclosed flush back. Order Foot Assembly with 14-inch Guide Strips. Shelf clearance: bottom shelf, 13½"; top shelf adjustable.

Model N-204, ST-773 Blonde mahogany.

Model N-304, ST-793 Cordovan mahogany.



Customode ACCESSORIES

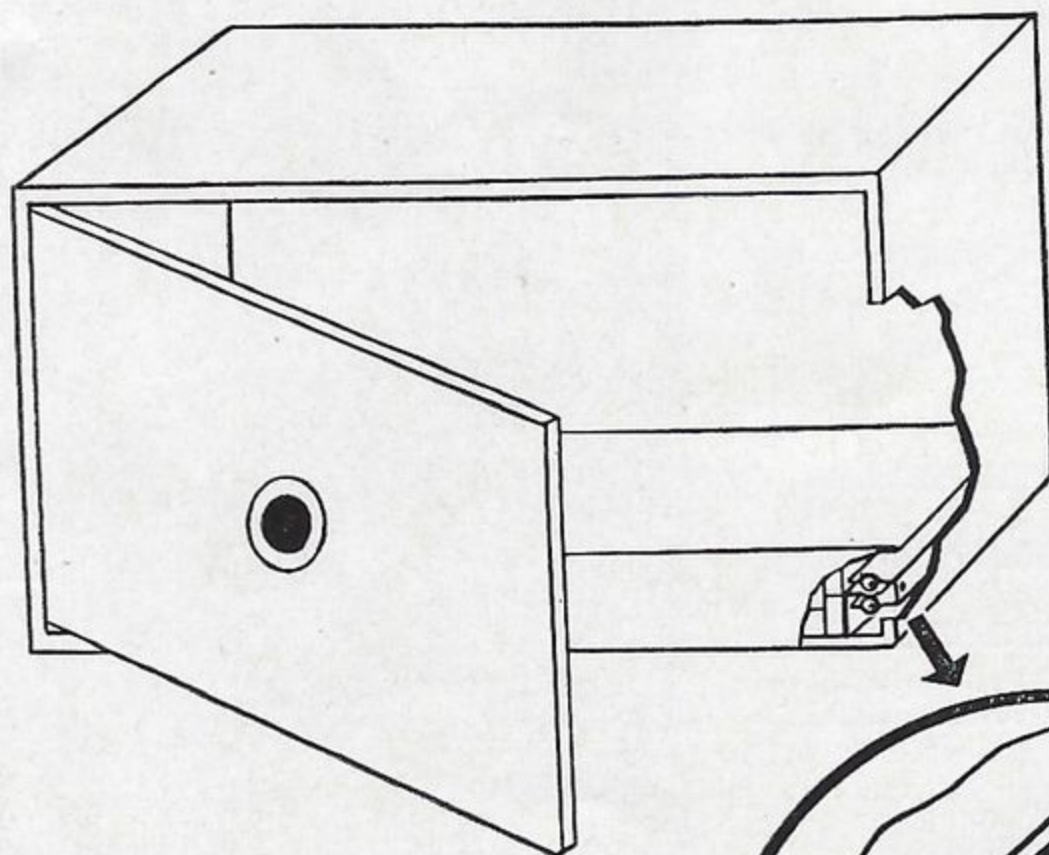


TV SHELF ASSEMBLY

Provides for a clean-lined, modern plane surface for supporting a television set or other equipment, for shelving record albums, for use as a desk, and for many other evident uses in the CUSTOMODE installation. Horizontal depth of 20½ inches provides ample space for most table model television sets and gives modern, thrust-forward appearance. May be trimmed if desired to standard 18-inch CUSTOMODE depth. Sturdy, solid-wood framed plywood construction. Dimensions: width, 24 inches; depth, 20½ inches; thickness, 1½ inches.

ST-841 Shelf Assembly—Blonde

ST-842 Shelf Assembly—Cordovan



MOTORBOARD and SLIDE ASSEMBLY

Provided to convert Small Utility cabinet to record-changer. Consists of plywood motorboard assembled to two ball-bearing metal slides. Makes "slide-out" mounting for any type of record-changer. Furnished with mounting screws.

ST-777—Motorboard and Slide Assembly—Blonde

ST-797—Motorboard and Slide Assembly—Cordovan



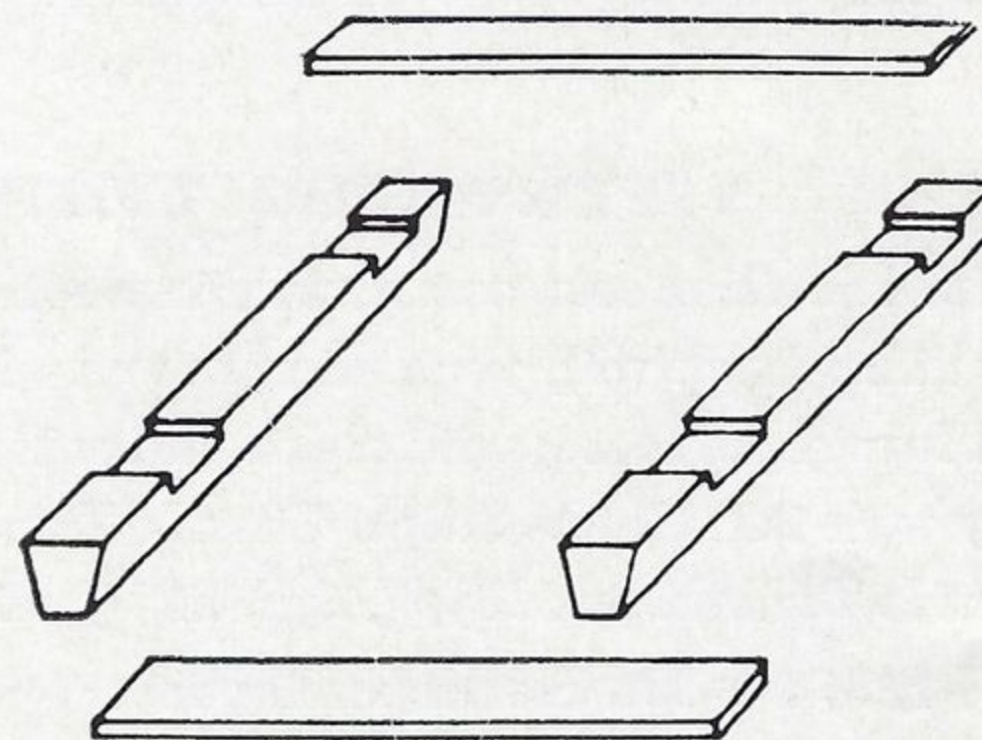
GRILLE AND BAFFLE ASSEMBLY for a Truly Compact, High-Quality Reproducer

With this Grille and Baffle Assembly, a Small Utility cabinet, and an 8-inch loudspeaker (JENSEN extended-range recommended), you can achieve high quality reproduction in minimum space. Ideal for a compact, economical CUSTOMODE array. Scientifically proportioned JENSEN Bass Reflex gives maximum bass response. Pleasing, harmonious design with construction and finish to CUSTOMODE high standards. Includes framed, fabric-backed metal grille completely assembled to Bass Reflex baffle; solid reinforced back for cabinet, acoustic pads and hardware. (Small Utility cabinet and speaker not included.)

ST-839 Grille and Baffle Assembly—Blonde

ST-840 Grille and Baffle Assembly—Cordovan

FOOT ASSEMBLIES



Foot Assemblies are available in two sizes for those who prefer not to place CUSTOMODE units directly on floor or rugs. They consist of two solid matching tapered Feet and two Guide Strips of 14-inch or 20-inch length. Single Feet are also available when additional support is required for CUSTOMODE installations.

Blonde

ST-776—20-inch Assembly

ST-785—14-inch Assembly

ST-782—Single Foot

Cordovan

ST-796—20-inch Assembly

ST-805—14-inch Assembly

ST-802—Single Foot

Jensen Customode

A Complete Cabinet Unit for the Custom Radio-phonograph

The JENSEN Imperial CUSTO-MODE Console is a distinguished example of fine furniture designed to enclose in a single, compact cabinet all equipment needed for a high-quality radio-phonograph. In its design, emphasis has been placed on the attainment of a high order of acoustic performance by means of a correctly proportioned Bass Reflex enclosure. While any 15-inch JENSEN speaker may be used, a JENSEN Coaxial is particularly recommended because of the outstandingly high-quality reproduction achieved by JENSEN two-way speakers.



CUSTOMODE Imperial Consoles are characterized by dignity and simplicity and are a welcome addition to either formal or informal interiors. Bevel treatment and raised vee-matched selected imported mahogany veneer panels lend a sculptured feeling to the clean-lined design. Satin-finish brass door pulls and controls provide an attractive color note. Two finishes are available: Blonde and Cordovan mahogany.

SPECIFICATIONS

Overall Dimensions — Height (exclusive of feet) 36"; width 37 $\frac{1}{4}$ ", depth 18".

Utility Compartments — (top and bottom, right) for tuner, amplifier, etc. Bottom-hinged doors. Interior dimensions: (each compartment) 10 $\frac{1}{4}$ " high, 18" wide, 17" deep. Individual back covers with ventilation cutouts.

Record Changer Drawer — Interior dimensions: 13" high, 18" wide, 17" deep. Comfortable clearance for handling records and will accommodate intermix type changers.

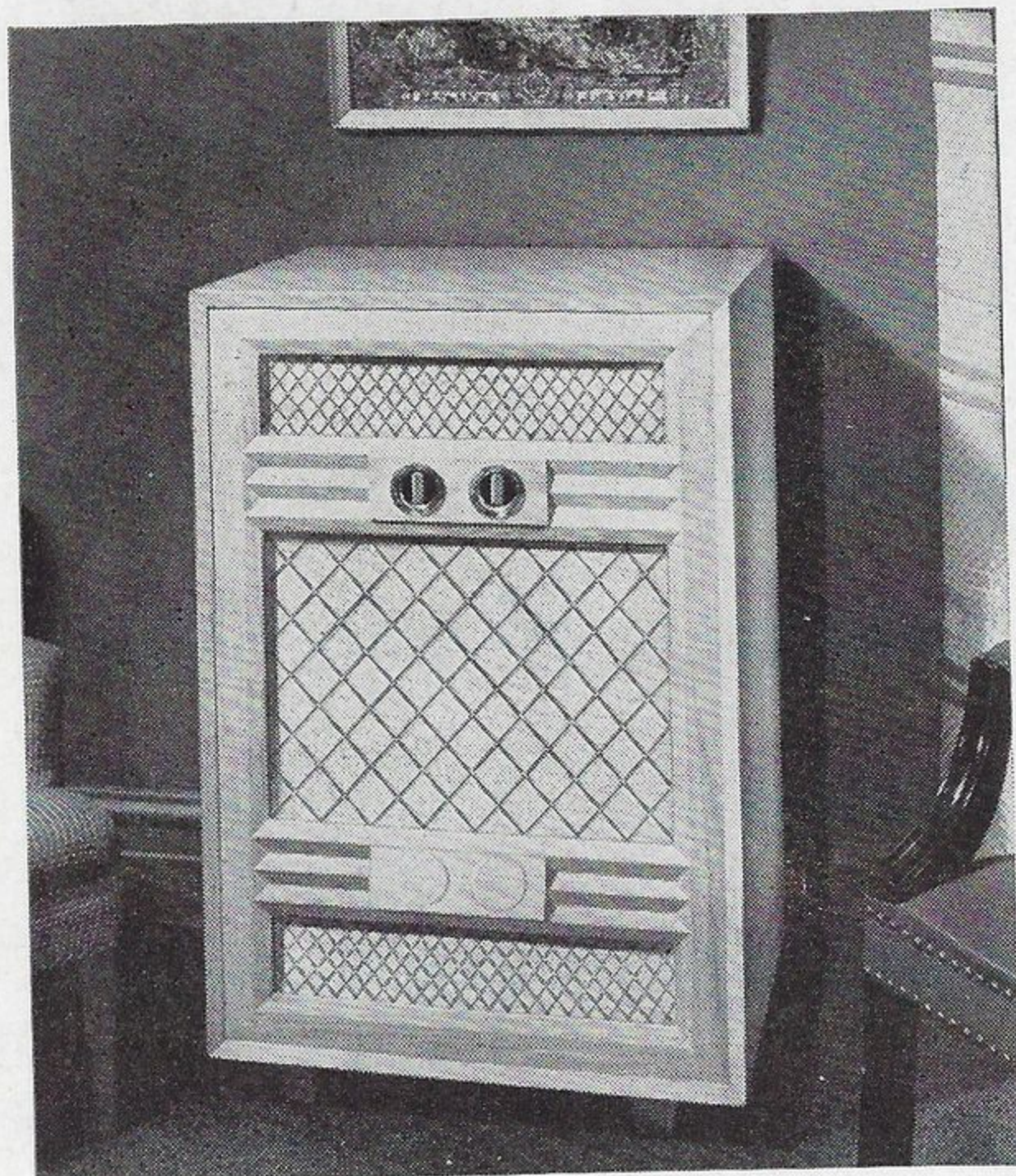
Base Reflex Enclosure (left side) — Acoustically designed for optimum performance with JENSEN 15-inch speakers (preferably Coaxials).

Model L-251, ST-769 Console, blonde mahogany.

Model L-351, ST-786 Console, Cordovan mahogany.

Jensen Bass Reflex CABINETS

TYPE "M" CUSTOMODE IMPERIAL CABINET



JENSEN Type M CUSTOMODE Imperial reproducer cabinet is a distinguished example of fine furniture, embodying the famous Bass Reflex principle, and designed to enclose a 15-inch JENSEN speaker (preferably a Coaxial model because of the superior performance ability). While intended as a basic unit in the CUSTOMODE line (see pages 13-15), Type M Reproducer cabinet may be used alone as a separate speaker cabinet and its clean, simple lines will harmonize with any room decoration, formal or informal. Available in either Cordovan or blonde mahogany, with harmonizing grille fabric. Four concealed cut-outs are provided, any two of which may be used for the flush-type H-F Range and Level Controls with which JENSEN 15-inch Coaxial speakers are equipped.

Foot Assembly is furnished, loose, so that cabinet may be placed on end or side, as required. There is space atop the cabinet for a large receiver, thus making one compact ensemble. Dimensions: 36" high, 24" wide, 18" deep.

Model M-252, ST-768 Blonde mahogany

Model M-352, ST-788 Cordovan mahogany

IMPERIAL TYPE "D" CABINETS

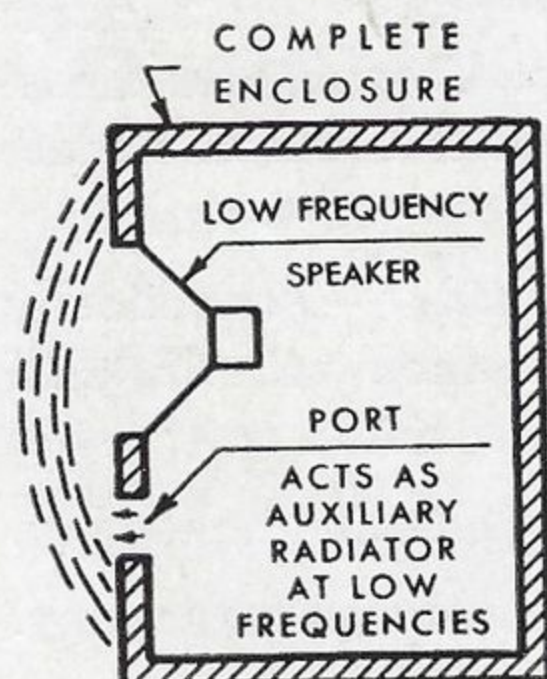
Imperial Type "D" Bass Reflex cabinets are handsomely styled, suitable for any environment, and are well constructed of beautifully striped satin finish veneered walnut, with interlaced bronze strip grille over matching fabric. They are available in two sizes: for 15-inch and for 12-inch speakers. For those requiring the modern touch in home decoration, the Imperial Type D cabinet is also offered in an attractive blonde finish. In ordering, be sure to specify the Stock Number desired.

Walnut Finish

Model No.	Stock No.	Speaker Size	Dimensions Inches			Ship. Wt. Lbs.	List Price
			Height	Width	Depth		
D-151	ST-157	15"	31	27 $\frac{3}{4}$	13 $\frac{3}{8}$	50	\$77.50
D-121	ST-156	12"	31	27 $\frac{3}{4}$	13 $\frac{3}{8}$	50	77.50

Blonde Finish

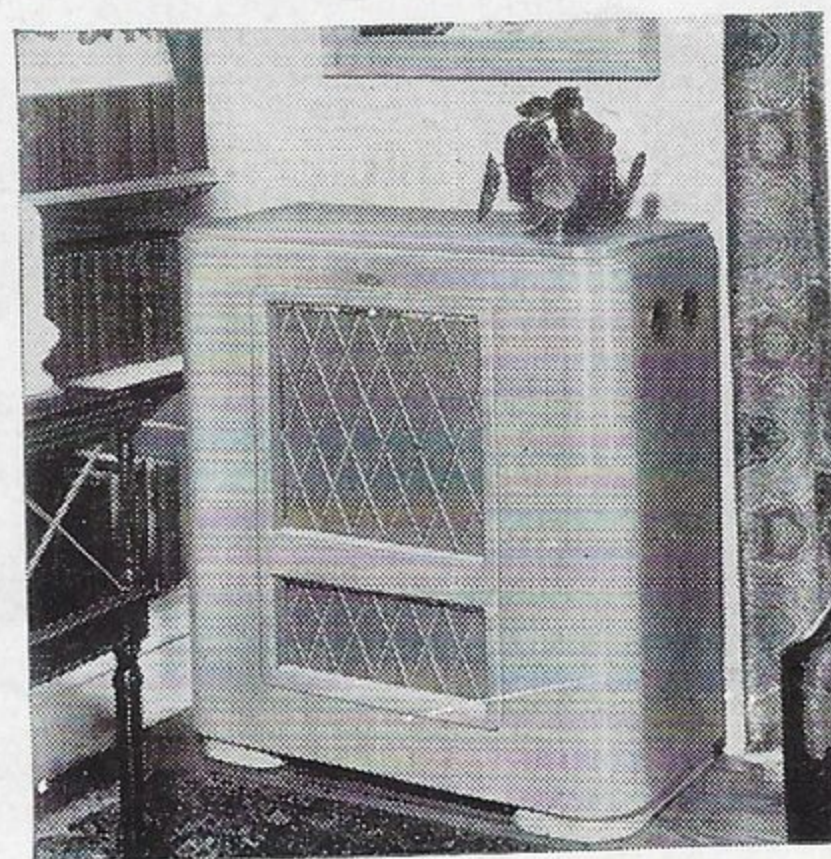
D-251	ST-763	15"	31	27 $\frac{3}{4}$	13 $\frac{3}{8}$	50	\$79.50
D-221	ST-762	12"	31	27 $\frac{3}{4}$	13 $\frac{3}{8}$	50	79.50



Better Listening with Bass Reflex

JENSEN Bass Reflex Cabinets are highly recommended for use with extension speakers in homes, hotels, theatres, clubs, restaurants, public halls or wherever reinforced sound is used for entertainment. While they are especially designed for use with JENSEN speakers to enrich the superior response of this equipment, they can be used to good advantage with any loudspeakers.

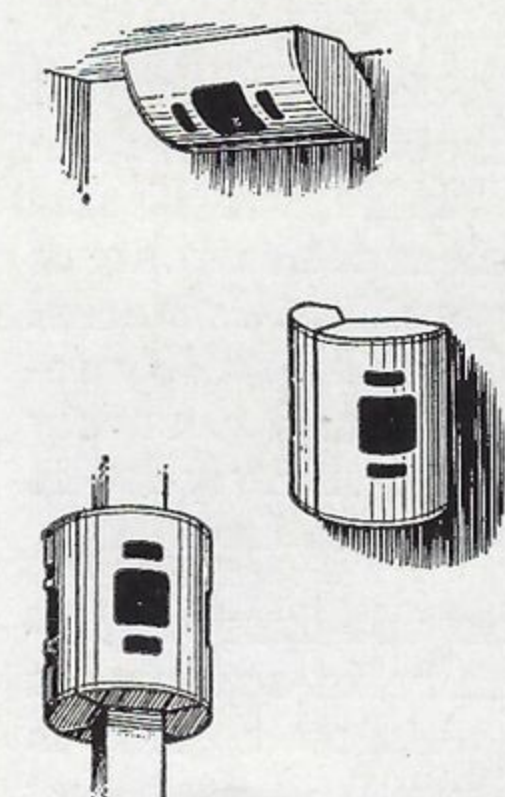
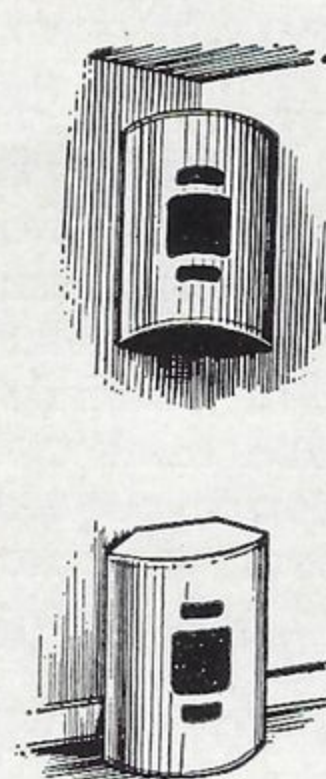
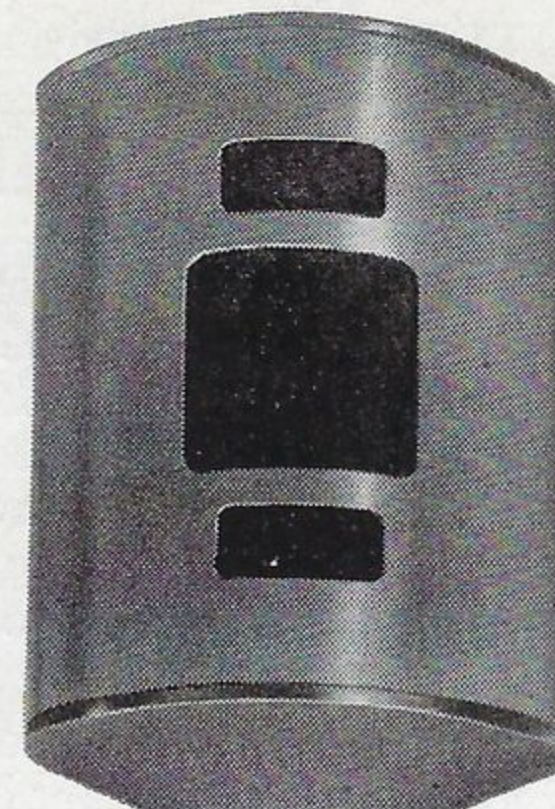
The Bass Reflex principle, pioneered by JENSEN, gives maximum extension of l-f response, free from objectionable boom or resonance. Through exact acoustical proportionment of the port and cabinet volume, the port is made to become an auxiliary radiator at low frequencies, increasing efficiency by controlled utilization of energy which otherwise would be wasted.



Jensen Bass Reflex CABINETS

TYPE "H" SECTOR CABINETS

Type H Sector Cabinets, for 8-inch speakers, were especially designed for installations where multiple speakers are required for public entertainment or paging. With front curved to a $14\frac{1}{4}$ " radius, they fit anywhere—in corners, on walls, at intersection of ceiling and wall, or on posts. They may be mounted in pairs or clusters for wide-angle sound distribution. They are perfectly adapted to all interior sound installations because of their reasonable price, small size and high-quality performance due to their Bass Reflex design.



They are built around a frame of solid wood, with wood composition replacing the usual plywood panels. Finished in brown lacquer, covering colors may be applied to match the locale of the installation. Brackets and screws furnished for mounting. Model P8-SH is recommended for these cabinets

but any 8-inch speaker may be used. Height, $22\frac{3}{4}$ "; width, $17\frac{3}{4}$ "; depth, $8\frac{1}{2}$ ". Ship. wt. 14 lbs.

List Price

Model H-81 Sector Cabinet, ST-141 \$22.50



TYPE "B" UTILITY CABINETS

Utility Type "B" Bass Reflex Cabinets, for those who desire inexpensive but durably built enclosures, are well constructed of impregnated composition board and finished in hammered brown lacquer. Three sizes are available: for 15-inch, 12-inch and 8-inch speakers.

Feet, unmounted, are furnished with Type B cabinets. If cabinets are to be mounted on wall, feet should be left off. If used on the floor, feet should be attached.



Utility Type "B"

Model No.	Stock No.	Speaker Size	Dimensions			Ship. Wt. Lbs.	List Price
			Height	Width	Depth		
B-151	ST-743	15"	$30\frac{3}{4}$	$27\frac{1}{4}$	$12\frac{1}{4}$	43	\$52.75
B-121	ST-742	12"	$28\frac{1}{2}$	$23\frac{3}{4}$	$11\frac{1}{8}$	34	44.50
B-81	ST-741	8"	$22\frac{3}{4}$	18	9	24	31.50



Jensen "Professional Series" SPEAKERS

Hypex PROJECTORS

Months in the laboratory and a long and costly tooling program resulted in these Hypex projectors which combine, under the famous JENSEN name, to form a complete line for sound installations. In their design, JENSEN engineers started with complete recognition of the short-comings of all equipment of this kind and added their own concepts of performance and convenience requirements. As a result, these projectors cover the needs of sound reinforcement, indoors and out, in a wide range of sizes and prices.

Speech Master Models VH-91 and VH-15, designed specifically for speech reproduction, without compromise to music requirements, are recommended for sound reinforcement where distinct, natural speech is required to carry through high noise levels. Model VH-20 is recommended for speech and music applications where speech is the principal consideration. Model VH-24, because of its larger size, is superior to the other models for music reinforcement.

Generous use of such materials as stainless steel and other corrosion-resistant materials, plus elaborate

treatment of necessary steel parts, insures against weather exposure. Mounting brackets using clutch-type, heavy trunnion U mounts (on VH-24, VH-20 and VH-15 Models) solve finally the problem of flexibility of adjustment with positive locking into position. Universal mounting bracket on Model VH-91 enables the projector to be pointed in any direction and securely fastened into position by a single wing nut. Space is provided on bracket for transformer mounting.

Weatherproof terminal boxes on the larger projectors provide a long needed feature in equipment of this kind. The complete new Alnico 5 unit is entirely enclosed within the one piece rigid horn, yet units may be removed and replaced, if necessary, without special tools.

The exceptional performance and wider sound distribution of Hypex projectors, stems from the JENSEN Hypex formula (Patent 2,338,262) which gives improved acoustical performance. Thus JENSEN Hypex projectors are invariably preferred over the usual "exponential" type horns.

MODEL VH-24

Hypex PROJECTOR



MODEL VH-24

For speech and music reproduction. Projection angle adjustable. May be securely locked into position by tightening two mounting bracket trunnion nuts with small wrench. Rustproof, weatherproof terminal box; no exposed terminals. No soldering needed to connect.

SPECIFICATIONS:

Useful Frequency Response:

110 to 6,000 cps.

Developed Acoustic Path Length:

58 inches.

Power Rating: 25 watts maximum speech and music signal input.

Voice Coil Impedance: 16 ohms.

Polar Coverage Angle: 75 degrees.

Dimensions: Diam. 25", length 22 3/8".

Transformers recommended: (Not included with projector)

ZX-3001	Adj./16 ohms	\$17.15
ZY-4001	Adj./16 ohms	17.15
Z-3342	500/16 or 8 ohms	10.25
Z-3346	500/16 ohms	6.00

Model VH-24 Projector, ST-685 List Price
Complete with bracket **\$74.50**

Jensen "Professional Series" SPEAKERS

MODEL VH-20 HYPEX PROJECTOR



MODEL VH-20

For speech and music reproduction. Projection angle adjustable. May be securely locked into position by tightening two mounting bracket trunnion nuts with small wrench. Rustproof, weatherproof terminal box; no exposed terminals. No soldering to connect.

SPECIFICATIONS:

Useful Frequency Response:

140 to 6,000 cps.

Developed Acoustic Path Length:

52 inches.

Power Rating: 25 watts maximum speech or music signal input.

Voice Coil Impedance: 16 ohms.

Polar Coverage Angle: 80 degrees.

Dimensions: Diam. 21", length 20¼".

Transformers recommended: (Not included with projector)

ZX-3001	Adj./16 ohms	\$17.15
ZY-4001	Adj./16 ohms	17.15
Z-3342	500/16 or 8 ohms	10.25
Z-3346	500/16 ohms	6.00

Model VH-20 Projector, ST-684 List Price
Complete with Bracket.....\$63.00

MODEL VH-15 HYPEX PROJECTOR

Recommended for speech reinforcement where distinct, natural speech is required. Projection angle adjustable and may be locked into position by tightening two mounting bracket trunnion nuts with small wrench. Rustproof, weatherproof terminal box; no exposed terminals. No soldering needed to connect.

SPECIFICATIONS:

Useful Frequency Response:

180 to 6,000 cps.

Developed Acoustic Path Length:

36 inches.

Power Rating:

15 watts maximum speech signal input.

Voice Coil Impedance: 8 ohms.

Polar Coverage Angle: 90 degrees.

Dimensions: Diam. 16", length 15".

Transformers recommended: (Not included with projector)

ZX-1002	Adj./6-8 ohms	\$5.00
ZY-2002	Adj./6-8 ohms	5.00
Z-3324	500/6-8 ohms	2.75
Z-3325	*3000/6-8 ohms	2.75
Z-3326	*4500/6-8 ohms	2.75
Z-3309	*7000/6-8 ohms	2.75
Z-3327	*10000/6-8 ohms	2.75
Z-3328	*14000/6-8 ohms	2.75

*Center tapped

Model VH-15 Projector, ST-757 List Price
Complete with Bracket.....\$47.00



MODEL VH-15

Jensen "Professional Series" SPEAKERS

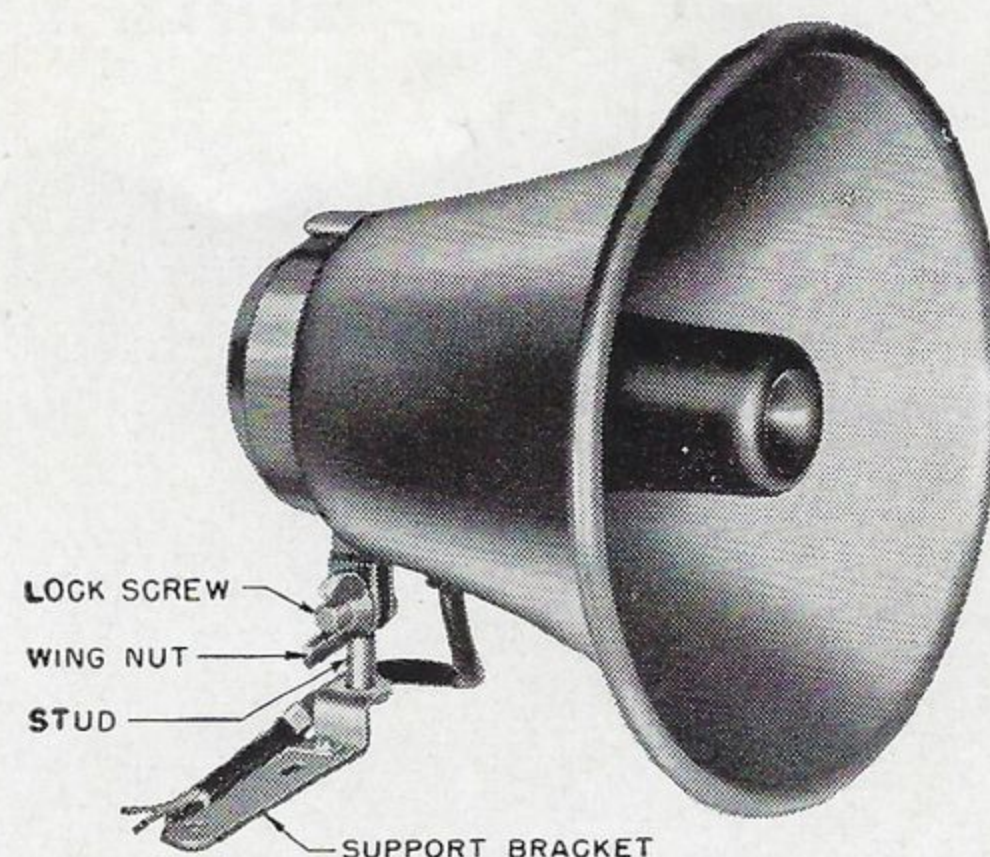
MODEL VH-91—HYPEX PROJECTOR

Model VH-91 Speech Master Projector meets a real need for paging and intercommunication applications. Particularly efficient in the voice frequency range, it delivers clear, intelligible speech with maximum "punch" to override high noise levels. By reason of an extremely clever mounting bracket, this projector can be pointed in any direction and securely locked into position with a single wing nut. Two holes in the bracket are provided for mounting on table, wall, ceiling or a post. The diaphragm is cloth base, phenolic impregnated.

Specifications:

Useful Frequency Range: 300 to 6,000 cps.
Developed Acoustic Path Length: 16 in.
Power Rating: 15 watts maximum speech signal input.
Voice Coil Impedance: 8 ohms.
Polar Coverage Angle: 100 degrees.
Transformers recommended: (Not incl. with projector)
Dimensions: Max. dia. 8 7/8", overall length 7 5/8".

ZY-4005	Adj./6-8 ohms	List Price
ZP-1026	Adj./6-8 ohms	\$3.35
ZL-2022	Adj./6-8 ohms	2.50
Z-3345	45-50/6-8 ohms	2.50
		2.10



Model VH-91 Projector, ST-17.

Complete with Bracket List Price \$32.50

JENSEN "Three-sixty" HYPEX PROJECTORS

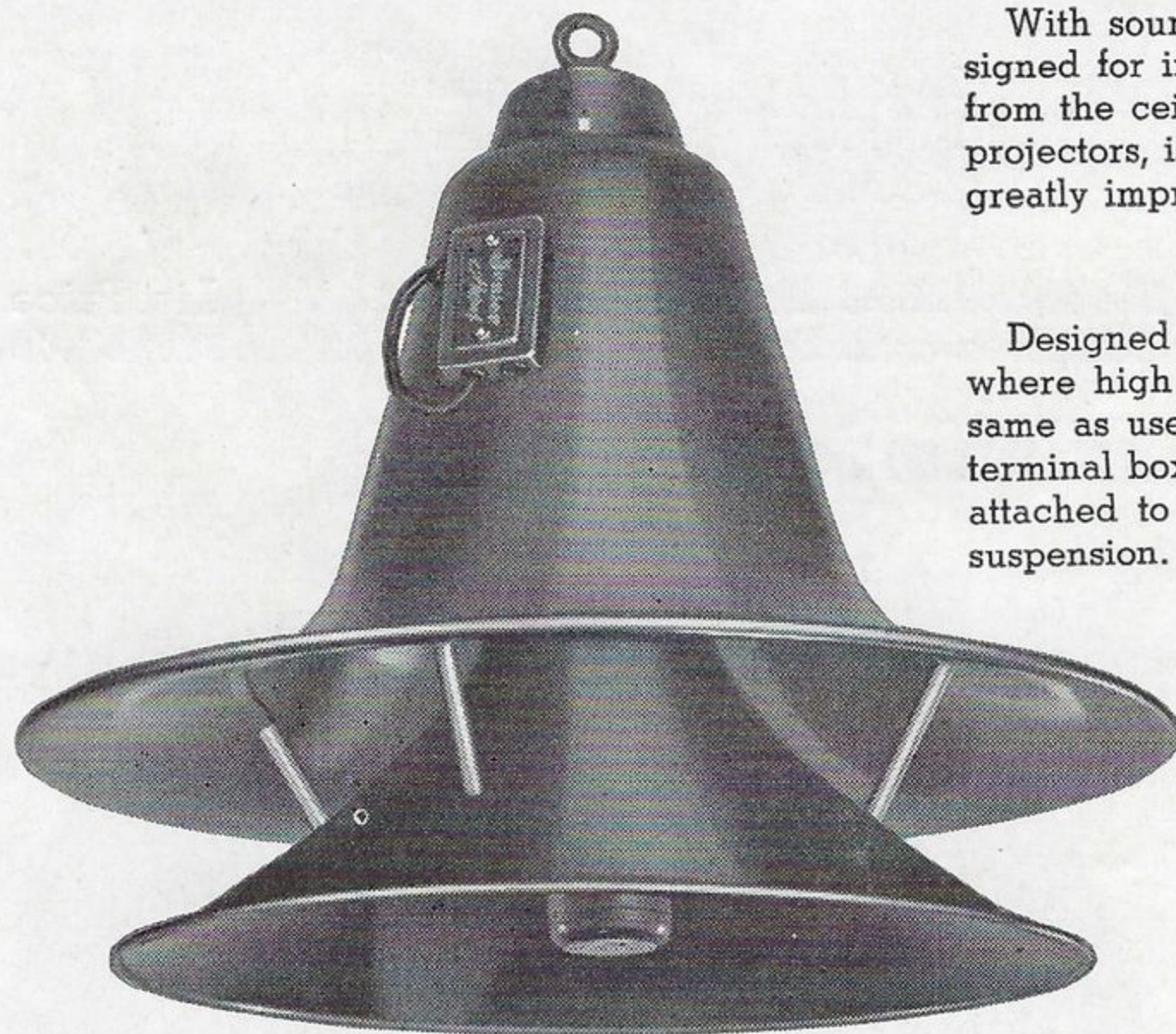
With sound distributed over a circle, these JENSEN Hypex projectors are designed for installations where coverage of relatively large areas and suspension from the ceiling is desired. The Hypex formula, made famous by JENSEN Hypex projectors, is incorporated in the design of these two "Three-sixty" models, giving greatly improved acoustical performance.

Model VR-241 "Three-sixty" Hypex

Designed for the reproduction of speech and music signals at high efficiency where high noise levels exist. The driver unit, with phenolic diaphragm, is the same as used in Hypex models VH-20 and VH-24. Equipped with weatherproof terminal box. Connecting cable is passed through rubber grommet and the leads attached to screw terminals provided. Equipped with heavy eyebolt at top for suspension.

Useful Frequency Range: 140 to 6,000 cps. **Developed Acoustic Path Length:** 54". **Power Rating:** 25 watts maximum speech and music input. **Voice Coil Impedance:** 16 ohms. **Transformers Recommended:** Same as for Model VH-24 Hypex. **Maximum Diameter:** 25". **Overall Height:** 22".

Model VR-241 Hypex Projector, ST-789 List Price \$79.00

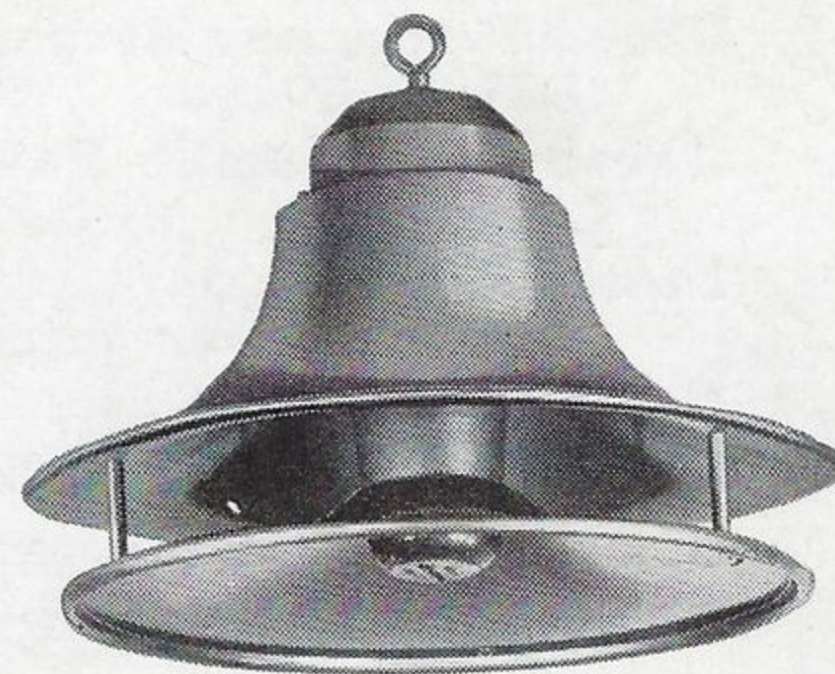


Model VR-11 "Three-sixty" Hypex

Designed especially for speech reproduction without compromise to music requirements. Recommended where distinct, natural speech reproduction is required and where high ambient noise conditions obtain. Driver unit with phenolic diaphragm is similar to that used in Models VH-15 and VH-91 Hypex projectors. Two-conductor rubber-covered cable is furnished for connections. Heavy eyebolt provided at top for suspension.

Useful Frequency Range: 280 to 6,000 cps. **Developed Acoustic Path Length:** 18". **Power Rating:** 15 watts maximum speech signal input. **Voice Coil Impedance:** 8 ohms. **Transformers Recommended:** Same as for Model VH-15 Hypex. **Maximum Diameter:** 11". **Overall Height:** 10 3/8".

Model VR-11 Hypex Projector, ST-791 List Price \$40.00



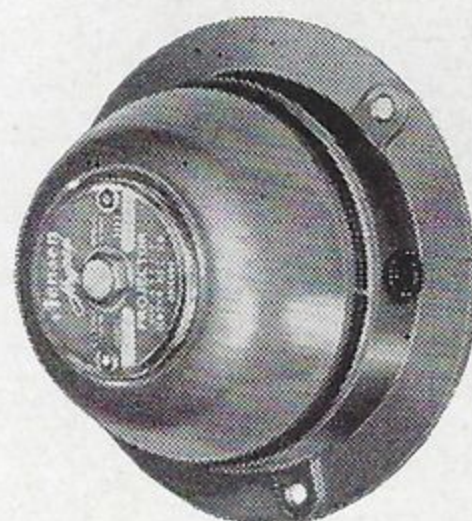
MODEL V-21 DRIVER UNIT

This driver unit incorporates the driver element used in the new Hypex projectors and is electrically and mechanically interchangeable with the former Models U-20 and U-201 Driver Units, ST-630 and ST-732 respectively.

This unit has been designed for replacement service on the former Models H-20, H-201 and H-24 Hypex horns, ST-726, ST-733 and ST-727 respectively. It is of the permanent magnet type and is equipped with internal screw terminals. The flange is designed for 1/4" bolt attachment incorporating three 17/64" diameter holes spaced 120° apart on a radius of 2 3/4".

The voice coil input is nominally 16 ohms and the audio power rating is 25 watts maximum speech and music signal.

Model V-21 Driver Unit, ST-787 List Price \$32.50



Jensen "Professional Series" SPEAKERS

TYPE "S" PROJECTORS



These Projectors are complete assemblies of specially designed Driver unit and acoustic system, utilizing the Peridynamic principle and correctly designed projector horn. Unusually good response is obtained in the 100-cycle region and h-f response at good efficiency is maintained to 5500 cycles, thus qualifying these Projectors for applications emphasizing music reproduction and naturalness in speech quality. Projector is completely weatherproofed, making it suitable for use indoors and out. Power handling capacity, in normal speech and music input, 25 watts maximum. Voice coil impedance, 8 ohms. Bell diameter, 24½". Overall length, 30". Shipping weight 30 lbs. Complete with plug for voice coil but without stand.

List Price

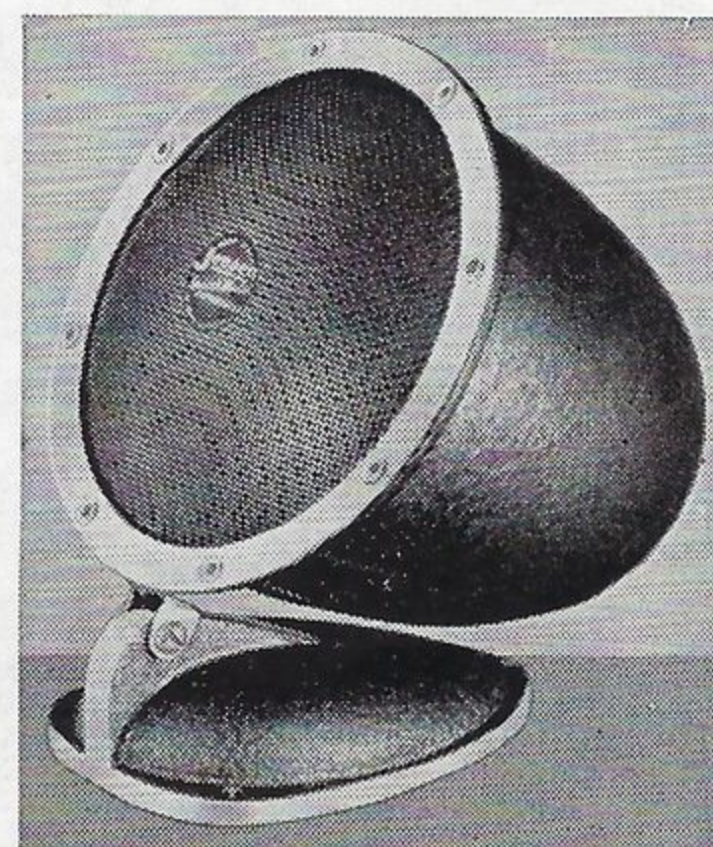
Model SPH-81 Projector, ST-633 \$82.50
EA-5 Adjustable Stand ST-730 5.00

MODEL AP-10 SPEECHMASTER

Extra sturdy construction, overall mechanical protection, double dustproofing, beautiful streamline design and exceptional acoustical performance recommend these projectors for paging and intercommunication. Good "talk-back" performance in PA systems. PM design. For desk or wall mounting. Power rating, 5 watts. Complete with tilt adjustment and base. Internal mounting bracket for ½x½" transformer. RC cord 36" long. Height 6¾"; depth 5⅛"; diameter 5". Ship. Wt. 5¼ lbs. Hammered gray finish with chrome trim.

List Price

Model AP-10 Speech Master Projector, ST-590 (3-4 ohms) \$16.50
Model AP-10 Speech Master Projector, ST-591 (45-50 ohms) ... 17.00

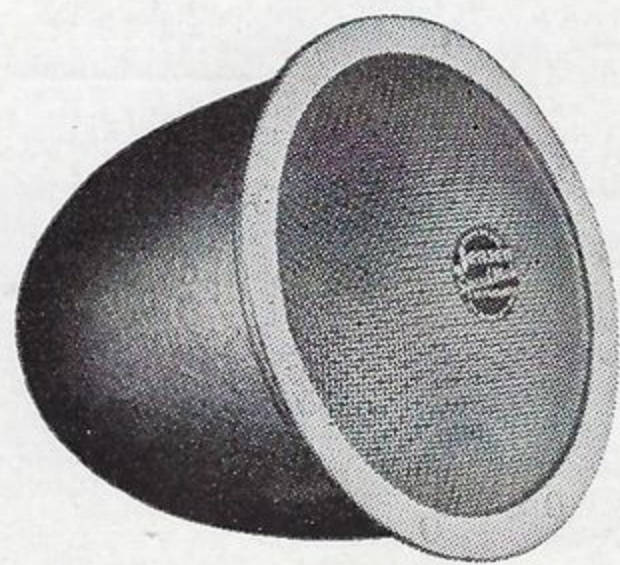


MODEL AP-11 SPEECH MASTER

Similar to Model AP-10 but designed for panel mounting, without base or swivel bracket. Has clearance eyelets for mounting screws. Power rating, 5 watts. Mounts in 4⅞" cut-out. Depth from front panel 4½". Screws and drilling template furnished. Ship. Wt. 3¼ lbs.

List Price

Model AP-11 Speech Master Projector, ST-592 (3-4 ohms) \$13.90
Model AP-11 Speech Master Projector, ST-593 (45-50 ohms) 14.35



MODEL AR-10 SPEECHMASTER

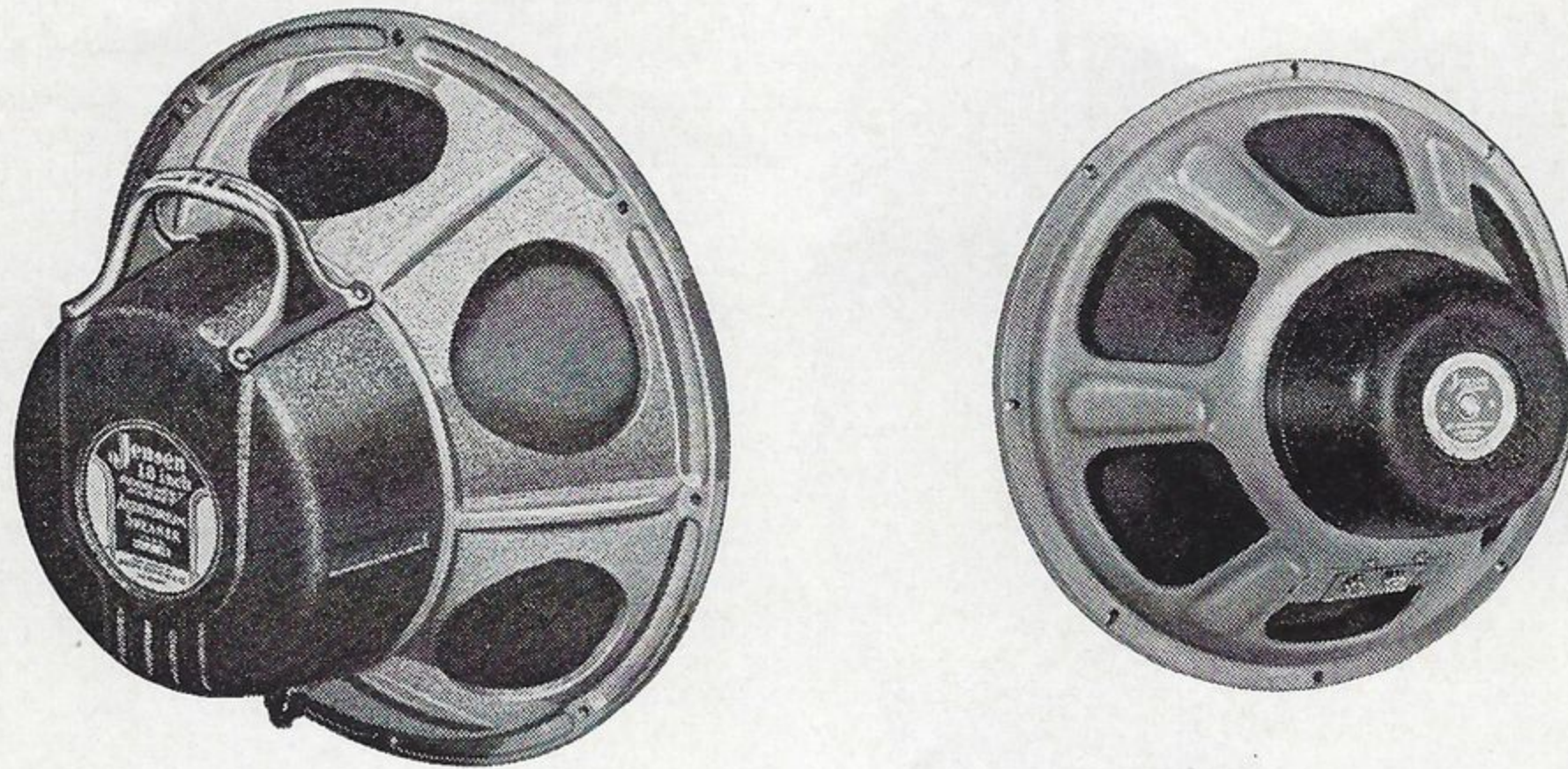
This reflex type Speech Master has many applications for paging, intercommunication and call systems, operating at medium levels under moderate noise conditions. Specially designed reflex horn increases mid-frequency range efficiency, giving added "punch" and effectiveness to speech quality. Though not considered strictly weatherproof, the reflex construction prevents direct access of rain, snow and dust to speaker diaphragm. PM design. Voice coil impedance, 3-4 ohms or 45-50 ohms. Power handling capacity, 6 watts. Space is provided within the unit for mounting ½" x ½" transformer. Overall diameter, 10"; depth 8". Complete with mounting bracket.

Model AR-10 Speech Master Projector,
ST-643 (3-4-ohms) List Price \$20.00
Model AR-10 Speech Master Projector,
ST-644 (45-50 ohms) 20.75



Jensen "Professional Series" SPEAKERS

AUDITORIUM SPEAKERS



The first highly-efficient large-size speaker was designed and produced by JENSEN in 1928. It was named the "Auditorium" and never were critics more consistent in its endorsement as the utmost in heavy-duty speakers. For more than 20 years JENSEN Auditorium speakers have set the highest standards for efficiency, response characteristics and faithful performance. Today, the Auditorium line has been

completely redesigned and comprises undeniably the best known and most highly respected speakers available, second only to JENSEN Coaxials. They are recommended for theatres, public address systems, fine electronic musical instruments, where the utmost in quality reproduction and power handling ability are required.

Nominal Size	Model No.	Stock No.	*Gap Energy Levels	Dimensions, Inches			Voice Coil			†Transformer Size	List Price
				O. D.	Depth	Baffle Opening	Diam., In.	Imped., Ohms	Power Watts		
18"	PMJ-18	ST-541	28.1	18	9¾	15¾	2½	8	30	1 x 1¼	\$264.50
15"	P15-L	ST-758	13.6	15⅞	8	13¼	2	8	25	1 x 1¼	108.60

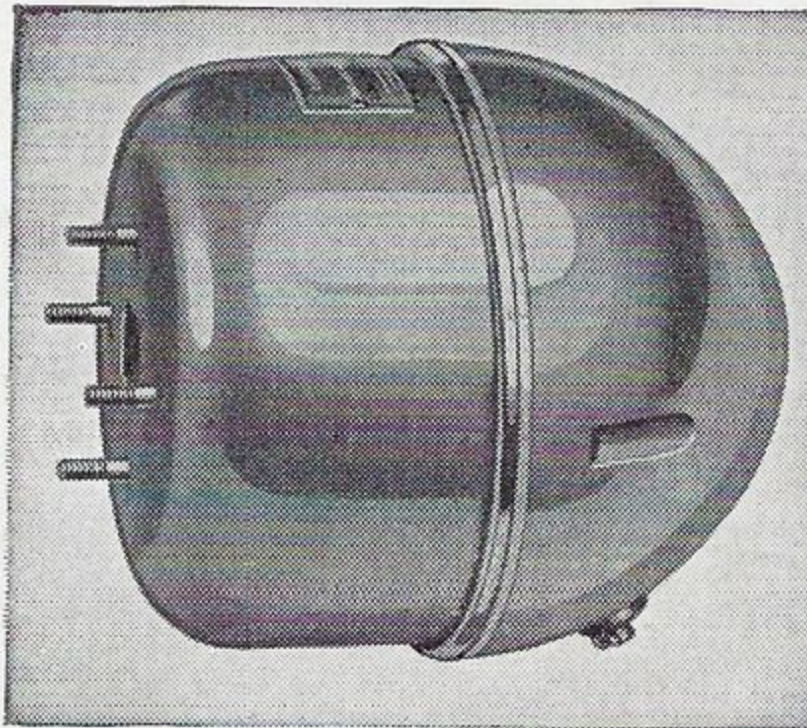
For Use in "B" and "E" Systems

The models listed below provide predominant efficiency in the lower frequency range and are not recommended except as a part of JENSEN Full Range

installations in conjunction with suitable filters and high-frequency reproducers.

Nominal Size	Model No.	Stock No.	*Gap Energy Level	Dimensions, Inches			Voice Coil			†Transformer Size	List Price
				O. D.	Depth	Baffle Opening	Diam., In.	Imped., Ohms	Power, Watts		
18"	PLJ-18	ST-702	28.1	18	9¾	15¾	2½	16	30	1 x 1¼	\$264.50
	PLM-18	ST-703	19.5	17⅞	8¾	15¾	2	16	27		202.50
15"	P15-LL	ST-759	13.6	15⅞	8	13¼	2	16	25	1 x 1¼	119.85
	P15-NL	ST-705	6.6	15⅞	8	13¼	1½	16	20		73.15

† Size recommended. See Transformer listing pages 25-27. * Millions of ergs.



TYPE "X" LOUD SPEAKERS

Type "X" Loud Speakers are high-frequency units designed for use singly or in pairs with Type "KT" Throats and Type "K" Multicellular Horns to form a h-f projector. When used for the reproduction of speech only, all frequencies below 200 cps. must be attenuated at least 12 db per octave.

Type "X" units employ a small, rugged, narrow annular diaphragm, much stiffer than the usual spherical dome type. Speech reproduction, therefore, is crisp, clear and without a hard or metallic quality. The voice coil is $2\frac{1}{2}$ inches in diameter and the whole unit is ruggedly constructed and designed for maximum life expectancy. Sound chamber and moving assembly parts are all enclosed and cover fitted to the unit against a neoprene gasket to exclude air and moisture. Electrical access is gained through polarized twist lock plugs. Voice coil impedance, 16 ohms. Dimensions: O. D. 7"; Length, $7\frac{5}{8}$ ".

Model XP-101, ST-691.....\$185.60

TYPE "K" MULTICELLULAR HORNS

JENSEN Multicellular Horns (see illustration below) are superior in efficiency and the widest and most uniform distribution of sound energy. They consist of an assembly of individual primary cells bolted together at their open ends and securely held in a die-cast common throat at the other end. Each primary cell is then divided into four compartments. The primary cells are zinc alloy die castings, insuring strong physical properties and a light but rigid assembly. Division of each primary cell into four compartments provides further rigidity and produces a more uniform energy radiation pattern.

Type "K" Horns are offered in either 32-cell or 60-cell assemblies; the former consisting of 8 primary

cells assembled in 2 x 4 configuration and the latter consisting of 15 primary cells assembled in a 3 x 5 configuration. Horns supplied with two mounting brackets suitable for attachment to the horn front.

K4-354, 60-Cell Horn

Low-frequency cut-off, 220 cycles. Angle of distribution, 110° horizontal; 65° vertical. Shipping Wt. 207 lbs.

K4-354—Horn, ST-693.....\$399.40

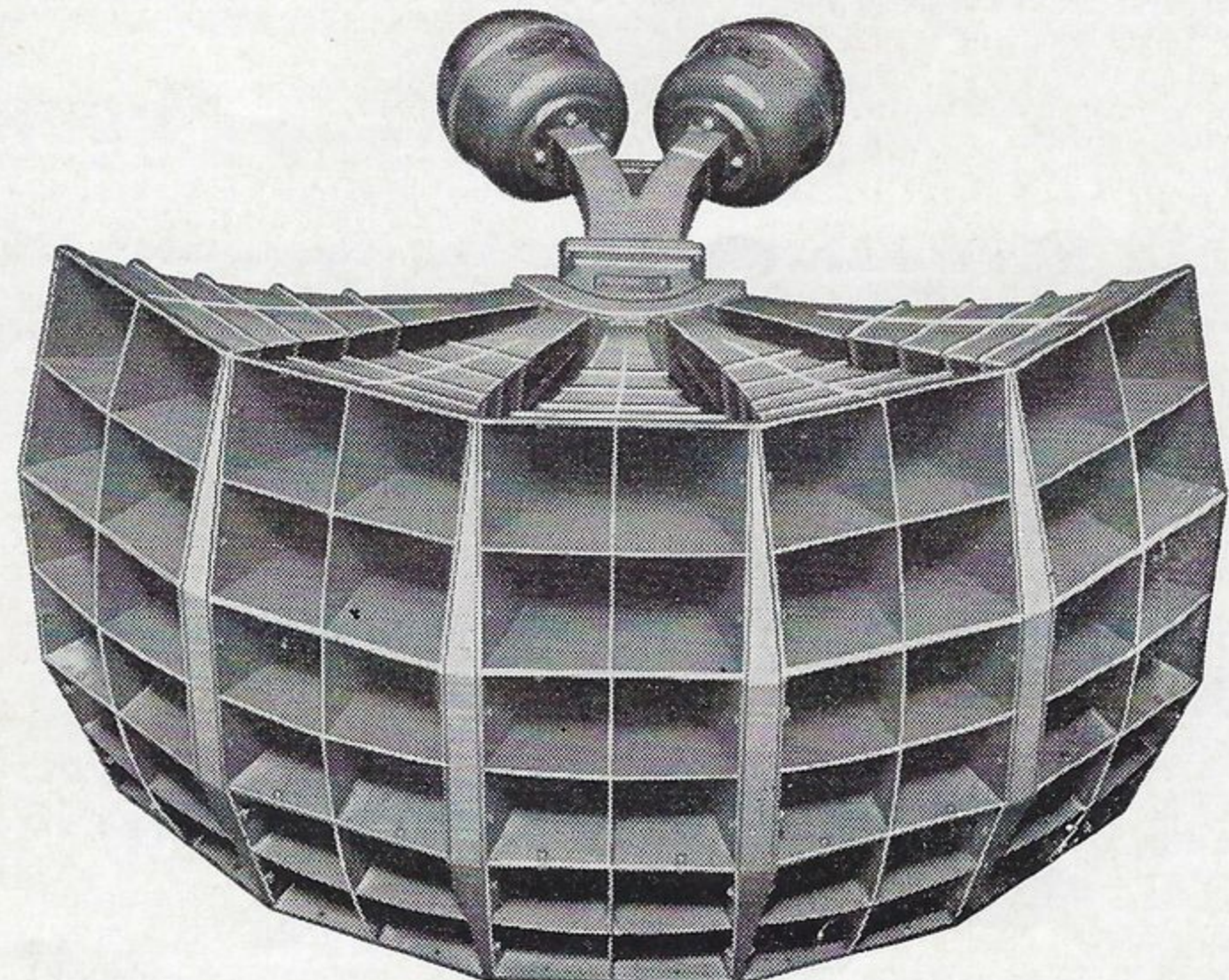
K4-244, 32-Cell Horn

Low-frequency cut-off, 220 cycles. Angle of distribution, 90° horizontal; 45° vertical. Shipping Wt. 111 lbs.

K4-244—Horn, ST-692.....\$203.60

TYPE "XKP" PROJECTORS

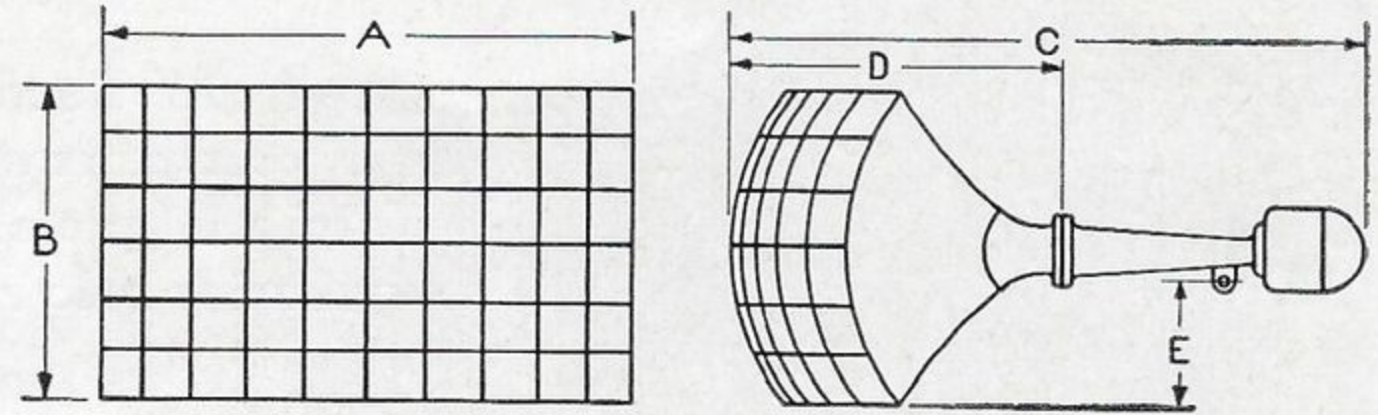
These projectors consist of an assembly of one or two XP-101 Units, KT-101 or KT-201 Throat, and either K4-244 or K4-354 Multicellular Horn. These components, properly assembled, constitute a projector of the highest quality designed to operate in the audio frequency range above 220 cps, for the reinforcement and reproduction of speech. However, frequencies lower than 220 cps must not be applied to the loud speaker and the reproducer is, therefore, not qualified when used alone for the reproduction of music. Limiting the reproducer to the proper audio frequency range may be accomplished by means of a suitable amplifier control or by JENSEN Type "F" High Pass Filter. In either event, a minimum attenuation of 12 db per octave must be introduced below 220 cps.



Jensen "Professional Series" SPEAKERS

TYPE "XKP" PROJECTORS (Cont.)

Model	Dimensions, Inches				
	A	B	C	D	E
XKP-10	32	16½	45½	23¼	6¼
XKP-20	32	16½	40¾	23¼	6¾
XKP-11	40	24	47¾	25	10½
XKP-21	40	24	43	25	10½



SPECIFICATIONS

PROJECTOR NO.	STOCK NO.	SPEAKERS	THROAT	HORN	POWER WATTS	LIST PRICE
XKP-10	ST-697	1 XP-101	KT-101	K4-244	15	\$410.65
XKP-20	ST-698	2 XP-101	KT-201	K4-244	30	613.15
XKP-11	ST-699	1 XP-101	KT-101	K4-354	15	607.50
XKP-21	ST-700	2 XP-101	KT-201	K4-354	30	810.00

ACCESSORIES

THROATS

KT-101 Throat connects one Type "X" unit to either K4-244 32-cell Horn or to K4-354 60-cell Horn; Type KT-201 connects two Type "X" Units to either K4-244 or K4-354. Ship. Wts.: KT-101, 11 lbs.; KT-201, 15 lbs.

KT-101 Throat, ST-694.....\$20.25

KT-201 Throat, ST-695..... 33.15

ASSEMBLIES

EA-2 ASSEMBLY Consists of triangular sled, two front brackets and one rear bracket, for 32-cell horn.

EA-2—Assembly, ST-715.....\$18.00

EA-3 ASSEMBLY Consists of triangular sled, two front brackets and one rear bracket, for 60-cell horn.

EA-3 Assembly, ST-716.....\$19.70

TYPE "F"—HIGH PASS FILTER

Type "F" High Pass Filter is used with Type "XKP" Projectors to protect the loudspeaker(s) from frequencies lower than 220 cps. Where Type "XKP" Projectors are not employed as a part of a system designed to reproduce the whole range of useful audio frequencies, Model F2-1 Filter or equivalent should always be employed as a protective device to avoid failure in Type "X" loud speakers. Equivalent protection may also be provided by suitable controls within the amplifier.

Model F2-1 Filter is designed to match either one or two Type "X" loud speakers to a 500-ohm output. Input impedance 500 ohms; output impedance 8 or 16 ohms.

Model F2-1 High Pass Filter, ST-701....\$24.75

NETWORKS

A4-2 NETWORK (Cross-over freq. 400 cycles)

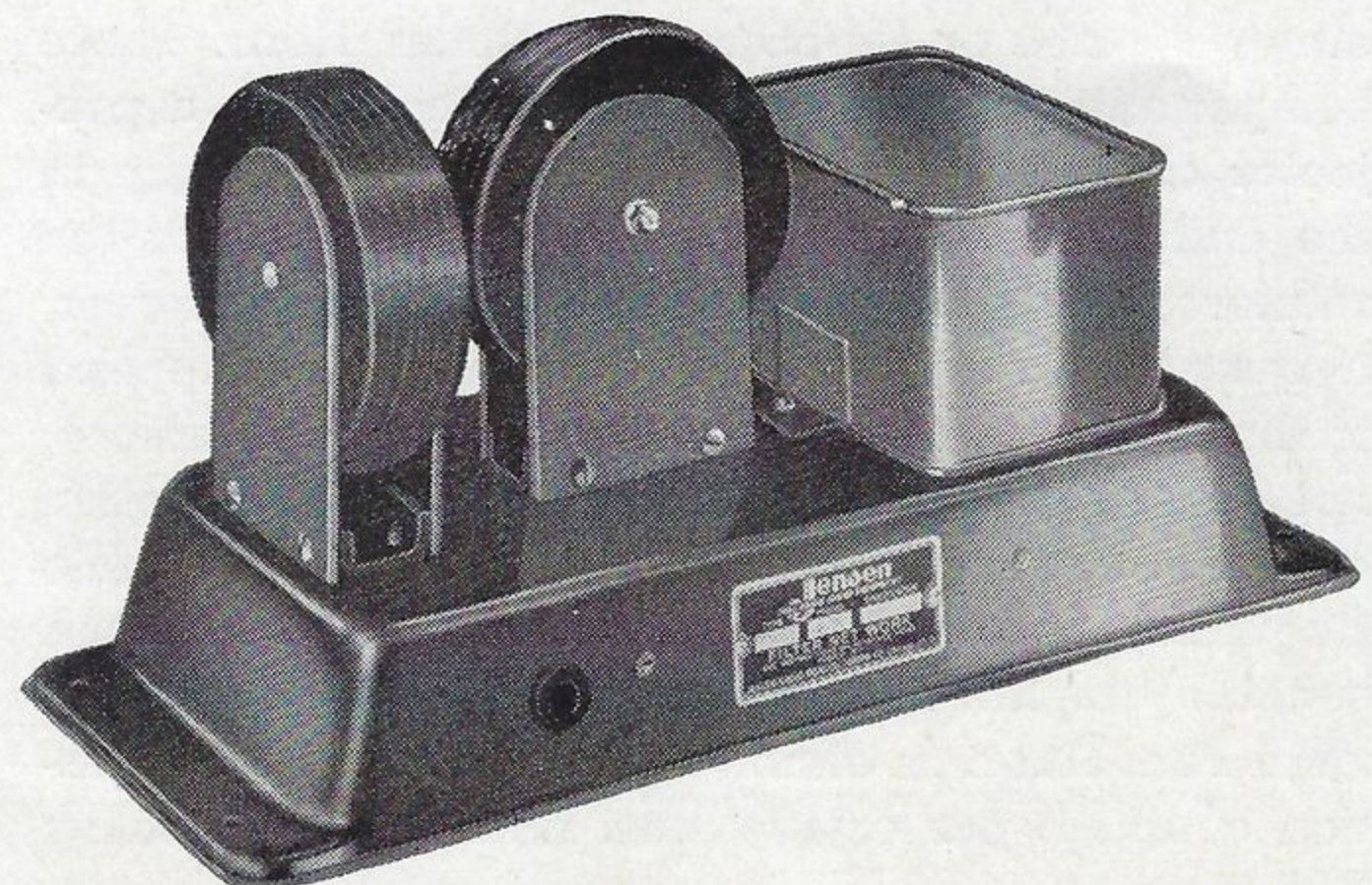
Designed to operate 1, 2 or 4 l-f speakers and 1, 2 or 4 h-f speakers. Impedance: Input or low channel, 8 or 16 ohms; high channel 8 or 16 ohms.

A4-2 Network, ST-713.....\$174.40

A8-3 NETWORK (Cross-over freq. 800 cycles)

Designed to operate one l-f and one h-f speaker. Impedance: Input or low channel, high channel, 16 ohms each.

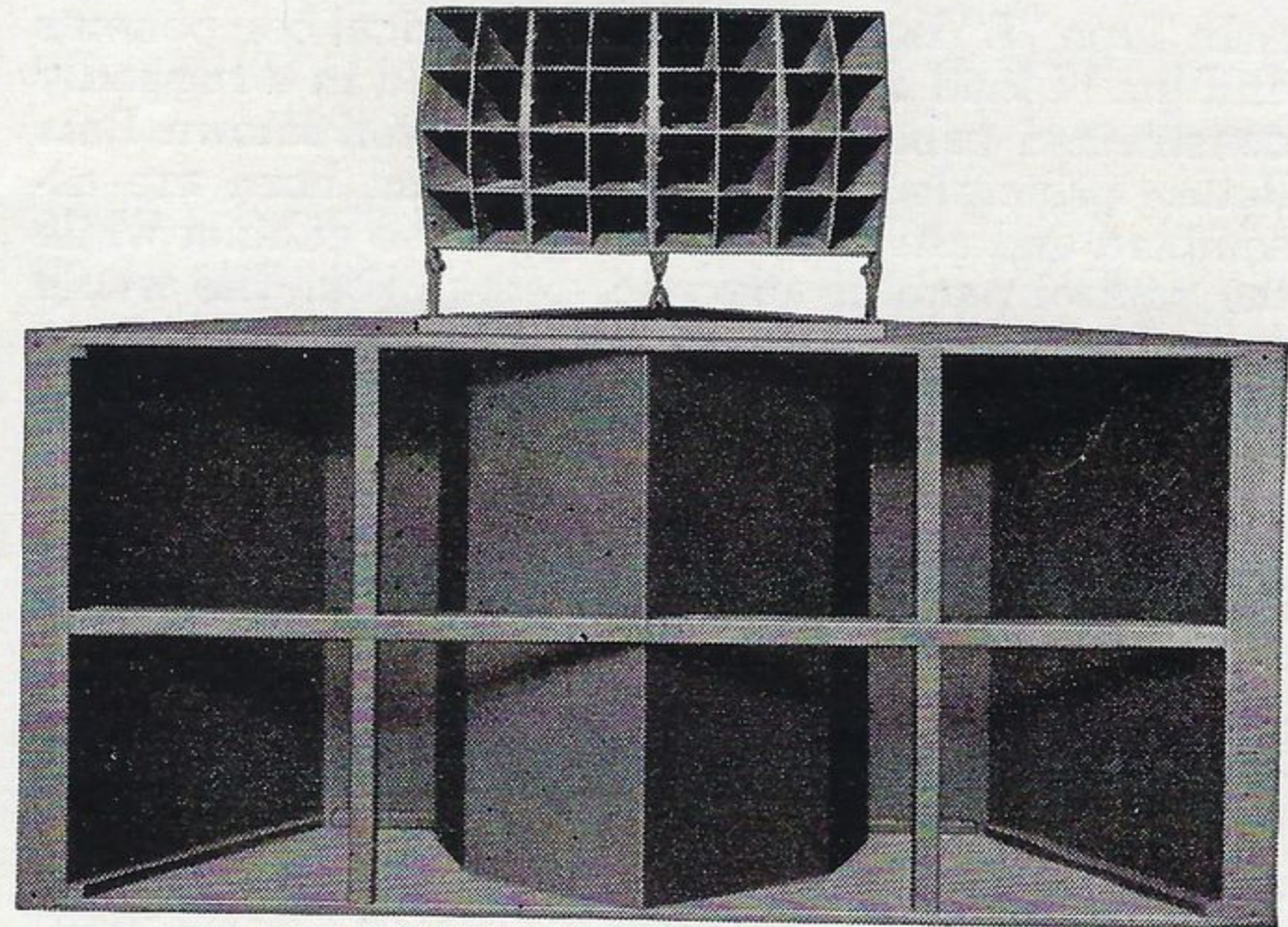
A8-3 Network, ST-714.....\$56.25



Jensen "Professional Series" SPEAKERS

JENSEN TYPE "B" SYSTEMS

JENSEN Type "B" Systems combine Type "X" loud speakers for the reproduction of frequencies higher than 400 cps. with Type "W" Horns for reproduction of frequencies lower than 400 cps. Thus they perform more efficiently the function usually delegated to a single loud speaker or to a group of speakers all alike. They deliver sound at high intensity and with a high degree of accuracy over relatively large areas and under comparatively difficult conditions. By combining a number of B Systems, a listening audience of almost unlimited size may be accommodated.



COMPONENTS

SYSTEM NUMBER	HIGH FREQUENCY CHANNEL			LOW FREQUENCY CHANNEL		ACCESSORIES	
	Speakers	Throat	Horn	Speakers	Horn	Network	Mounting Sled
BP-402	1, XP-101	KT-101	K4-244	2, P15-LL	WK-152	A4-2	EA-2
BP-403	2, XP-101	KT-201	K4-354	2, P15-LL	WK-152	A4-2	EA-3
BP-405	1, XP-101	KT-101	K4-354	2, P15-LL	WK-152	A4-2	EA-3
BP-408	2, XP-101	KT-201	K4-354	2, PLM-18	WK-182	A4-2	EA-3
BP-410	2, XP-101	KT-201	K4-354	2, PLJ-18	WK-182	A4-2	EA-3

PERFORMANCE DATA, LIST PRICES

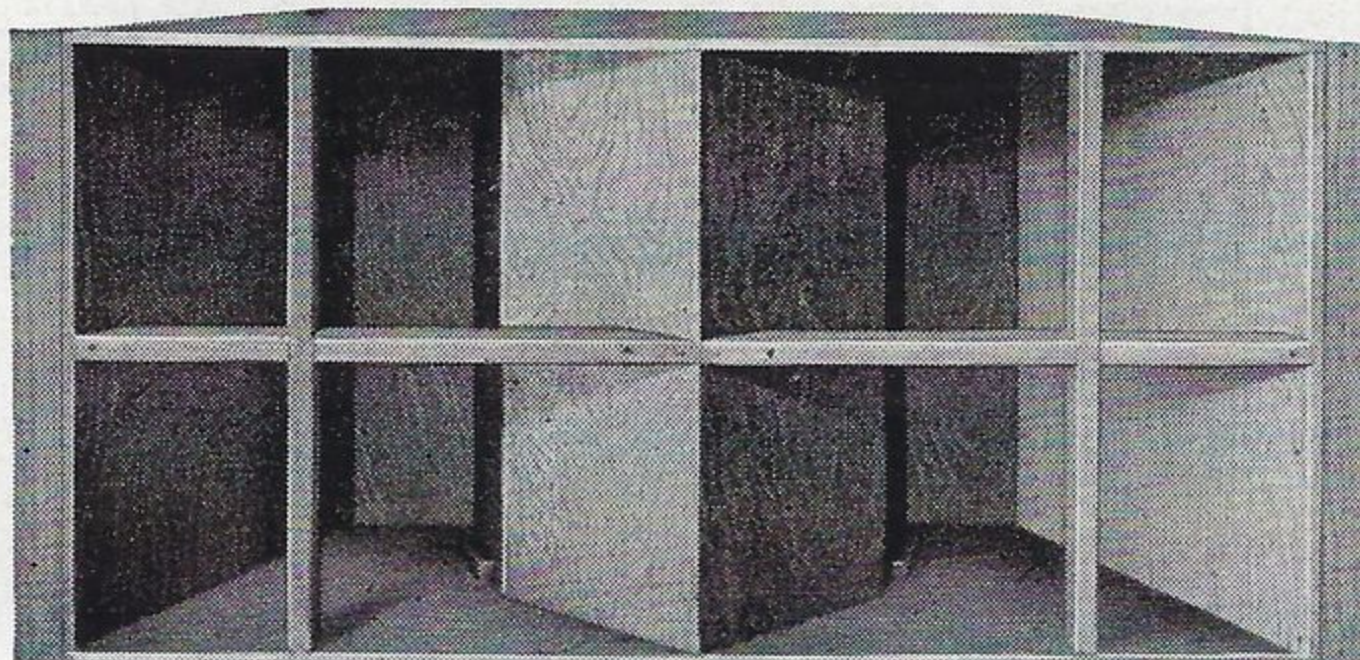
(1) SYSTEM NUMBER	STOCK NO.	(2) POWER CAPACITY	(3) RELATIVE		TOTAL ANGLE COVERAGE		LIST PRICES
			Efficiency	Acoustic Output	Vertical	Horizontal	
BP-402	ST-717	20 watts	1.00	1.00	45°	90°	\$1237.00
BP-403	ST-718	40 watts	1.00	2.00	65°	110°	1631.20
BP-405	ST-719	20 watts	1.00	1.00	65°	110°	1432.70
BP-408	ST-720	40 watts	1.05	2.10	65°	110°	1920.95
BP-410	ST-721	40 watts	1.20	2.40	65°	110°	1973.45

(1) It is impractical to list and describe all possible combinations of components which might be assembled to form a Type B System. We have merely listed what seem to be the most likely combinations, having made no reference, for example, to the fact that four or more low frequency loud speakers may be called for by some requirements. In a similar manner, more than two high frequency loud speakers and more than one high frequency horn may often be required.

(2) These figures are the maximum values for speech and music and are limited by the estimated permissible distortion rather than by mechanical failure or voice coil temperature.

(3) The efficiency, is arbitrarily compared to that of System BP-402, the least efficient. The "Relative Efficiency" column (3) then indicates the ratio of the efficiency of any System to that of the BP-402 System. When compared with itself this ratio is, of course, one (1.00) and it is so listed. The most efficient system, BP-410 is 20% more efficient than BP-402, therefore, its efficiency relative to the latter is 1.20. With the same audio electrical power input BP-410 System will have 20% more average acoustic power output than BP-402 System. The data also shows that the BP-410 System has an audio electrical input power rating of 40 watts as compared with 20 watts for the BP-402 System. The maximum acoustic output of the BP-410 System is 2.4 times that of the BP-402 (See Acoustic Output column) because it will handle twice the audio input power and because it converts this power into acoustic power 20% more efficiently.

TYPE "WK" LOW-FREQUENCY HORNS



Type "WK" Horns are of "folded" design permitting use in locations where space would not permit an extended horn of equal ability. Offered in two basic designs: one for 18-inch speakers; the other for 15-inch speakers. Both designs shipped knock-down to save shipping costs.

Model No.	Stock No.	Length In.	Height In.	Depth In.	Shipping Wt. Lbs.	List Price
WK-182	ST-711	86	42	36	380	\$421.90
WK-152	ST-710	82	44	36	440	393.75

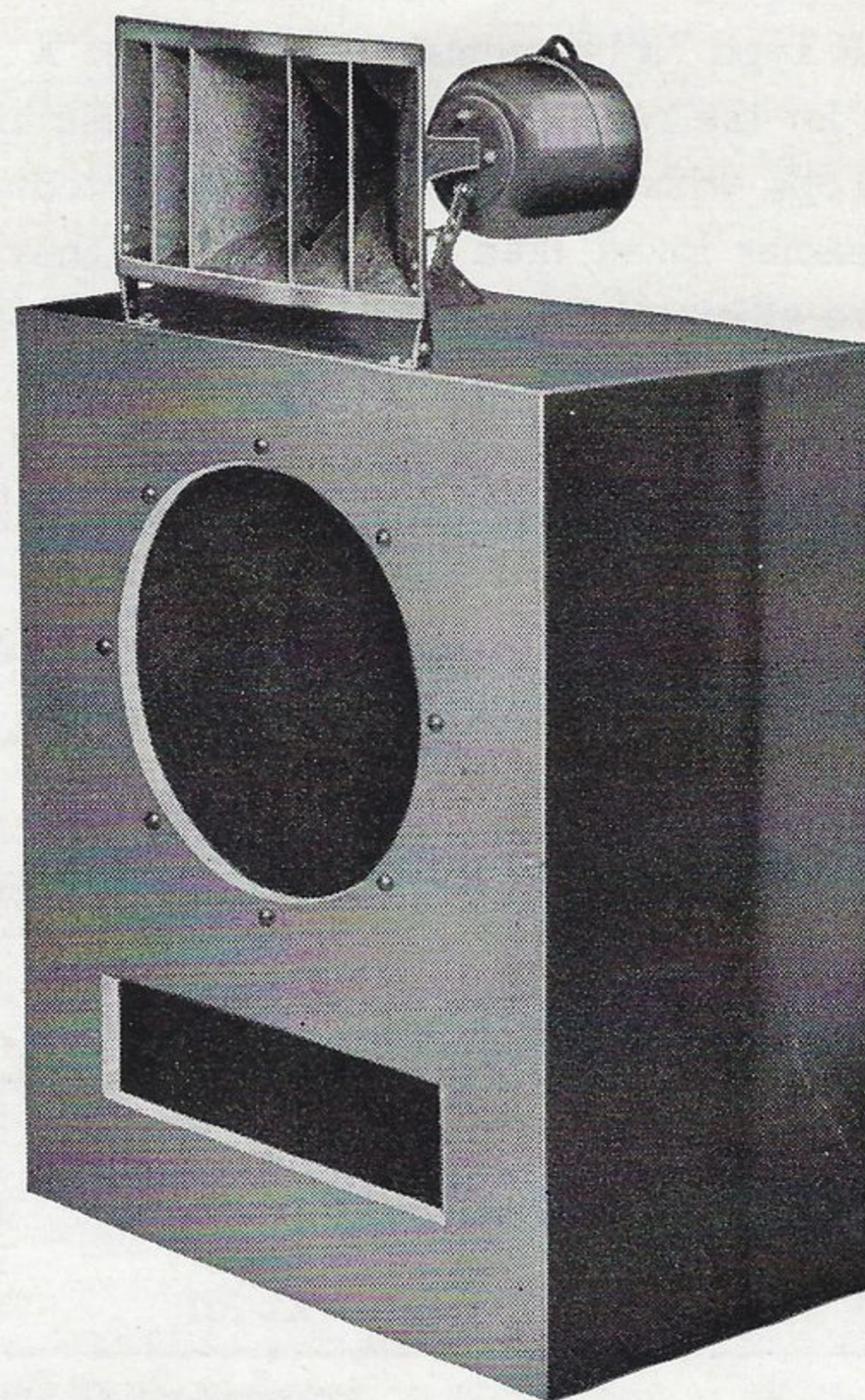
Jensen "Professional Series" SPEAKERS

JENSEN TYPE "E" SYSTEMS

In Type "E" Reproducers the electrical components and the l-f loud speaker are assembled in a ruggedly constructed cabinet employing the well known Bass Reflex principle. The h-f speaker and horn are assembled and attached to the top of the cabinet while the control panel is attached to the back. The whole assembly presents a neat and sturdy but not an elaborate appearance which, however, may tend to confine the Reproducer to those applications where such appearance is acceptable. The cabinet is constructed of plywood finished in neutral blue-gray lacquer. The reproducer is shipped completely assembled except that the h-f unit and horn must be installed on top of the cabinet, electrical connection being conveniently made by use of twist lock plugs.

Type "E" Reproducer includes a cone-type l-f speaker, a Type "X" h-f speaker, one 800-cycle dividing network (Model A8-3) and Multicellular Horn, together with the necessary equipment to make a completely operating device. The Multicellular Horn is Type "P."

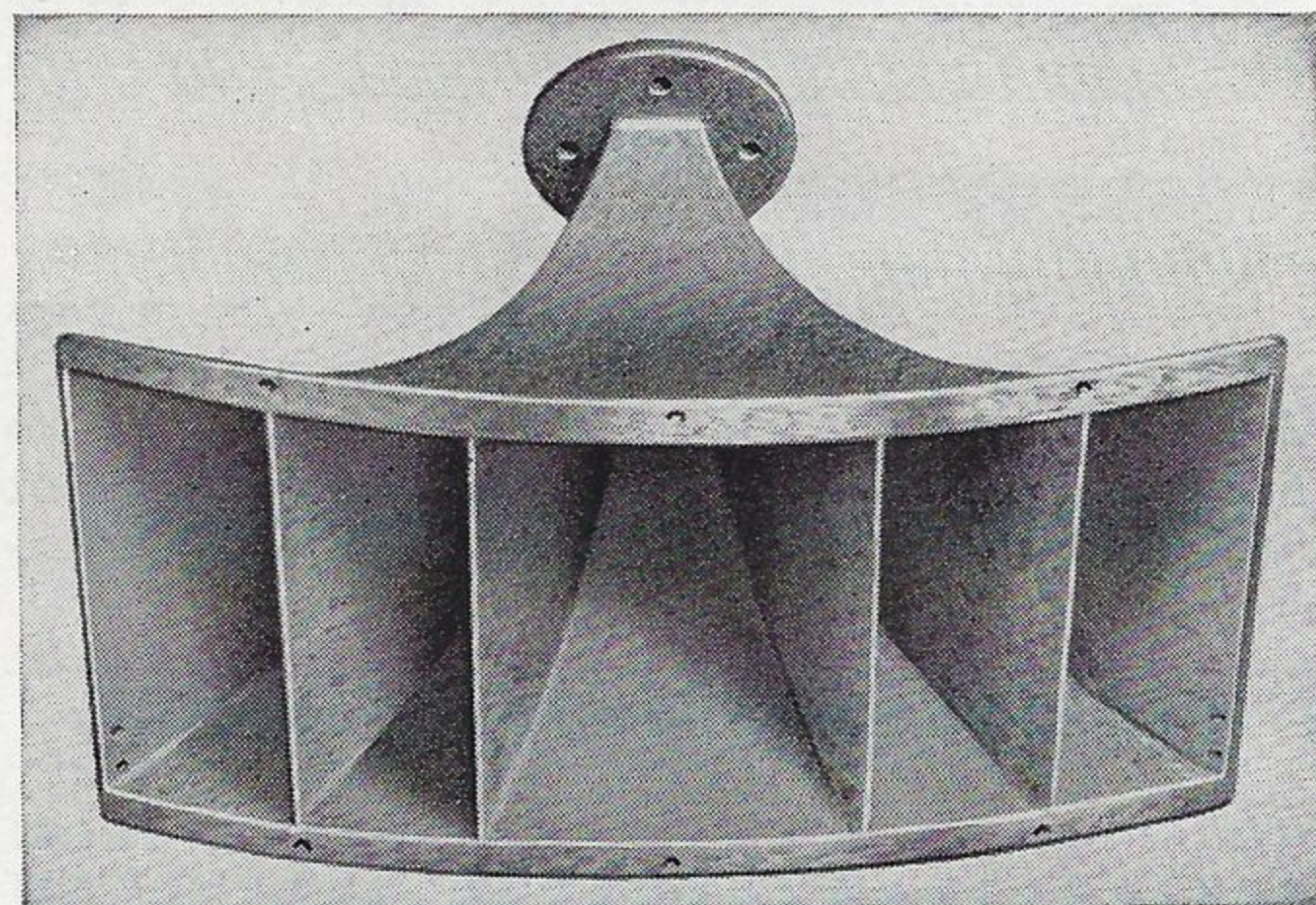
Polar response characteristics of Type "E" Systems are excellent. H-f output is deliberately attenuated beyond 7500 to 8000 cps. The prospective user should keep in mind that in a great many applications the audio electric energy in the range above 7500 cps as delivered to the Reproducer, is likely to include some spurious energy due to the source of the input energy and its by-products such as, for example, surface noises from lateral cut recordings.



SPECIFICATIONS

Reproducer No.	Stock No.	Speakers		Input Imped.	Power, Watts	Relative Acous. Out.	Shipping Wt., Lbs.	List Price
		H-F	L-F					
EP-801	ST-722	XP-101	P15-NL	16	20	1.00	147	\$506.25
EP-802	ST-723	XP-101	P15-LL	16	25	1.75	147	553.00
EP-805	ST-724	XP-101	PLM-18	16	25	1.80	175	635.65
EP-807	ST-725	XP-101	PLJ-18	16	25	2.10	190	697.50

TYPE "P" CELLULAR HORNS



Type "P" Multicellular Horns are designed for operation as a component of JENSEN Full Range "E" Systems. In such capacity they are intended to operate in the audio frequency range above 800 cps. They are designed for association with Type "X" Loud speaker Units. No throat is required, the junction being made directly between flange on the horn and the face of the loud speaker.

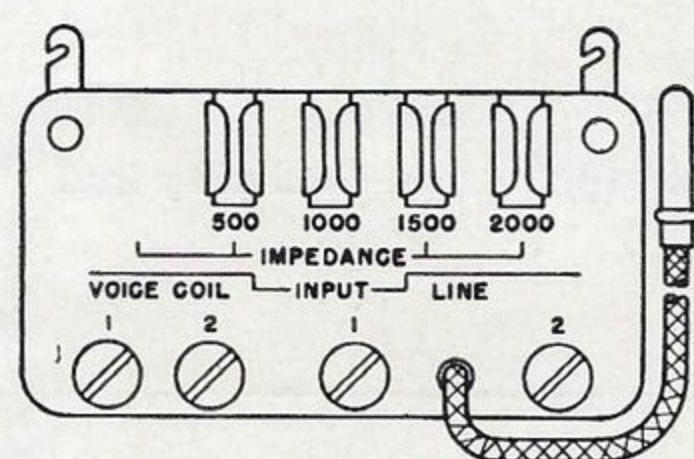
Type "P" Multicellular Horns are rigidly constructed of cast metal alloy designed and built so that with only five primary cells, performance equivalent to a 12-cell assembly is achieved. Type "P" Horn and Loud Speaker Assembly are not normally used alone but are highly qualified when used in a system employing suitable 800-cycle network and speakers for l-f response. Ship. Wt. 12 lbs.

P8-151 Horn, ST-696 \$45.00

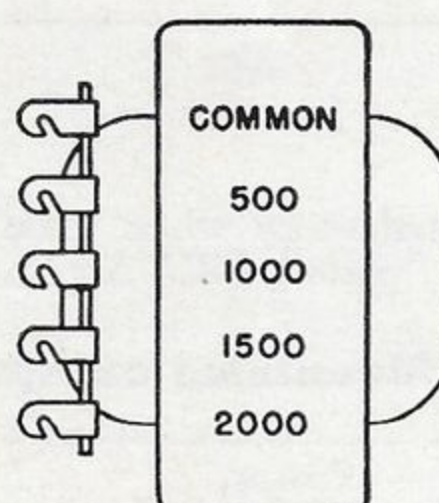
Jensen Impedance Matching TRANSFORMERS

Loudspeakers are relatively low-impedance devices with voice coil impedance values ranging from 3 to 50 ohms. Vacuum tube power output stages, on the other hand, are high-impedance devices with impedance load rated anywhere from 1,000 to 14,000 ohms. To reconcile these widely differing impedances, output or impedance matching transformers must be inserted between the signal output and the loudspeaker voice coil. To determine which transformer is to be used in any given case, first of all find out the impedance of the loudspeaker in question and then locate for that speaker the trans-

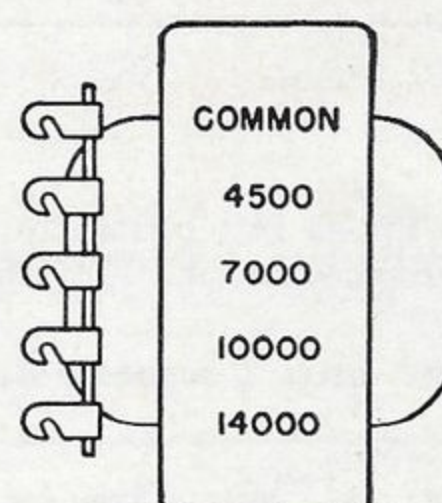
former which will match nearest the impedance of the signal source. Differences of the order of 10% are usually of no importance but if a close match cannot be obtained, it is best to select an impedance value which will present a higher-rather than lower-than-rated impedance to the output tubes. Thus where a 5,000-to-16 ohm transformer is needed, it would be better to select a 6,000-to-16 ohm unit than a 4,000-to-16 ohm unit. For full and complete treatise on impedance matching, consult Jensen Technical Monograph No. 2. (Price 25c).



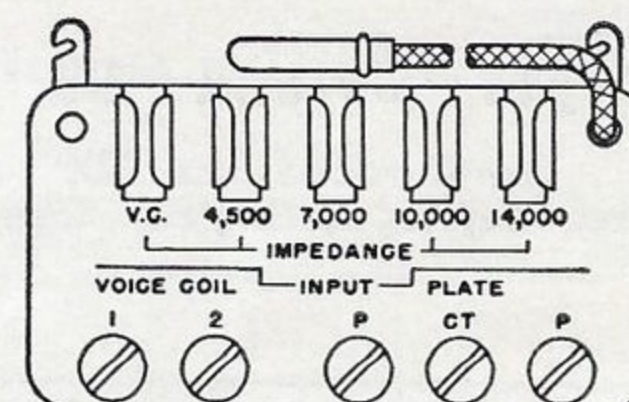
TYPE "ZY"



TYPE "ZL"



TYPE "ZP"



TYPE "ZX"

ADJUSTABLE IMPEDANCE

Type "ZX"

For matching conventional "plate" impedance values. Adjustments are easily made with flexible lead and pin-tip jack. Impedance values: voice coil, 4,500, 7,000, 10,000 and 14,000 ohms. All except voice coil are center-tapped for push-pull tubes.

Cased Type. Pin-Tip Adjustment. Not Mountable on Speaker.

Stock No.	Core Size	Impedance	Mtg. Ctrs., In.	Power Watts	For Use With:	List Price
ZX-3000	1x1 1/4"	8	1 11/16x3 15/16	35.0	PMJ-18, P15-L	\$17.15
ZX-3001	1x1 1/4"	16	1 11/16x3 15/16	35.0	VH-20, VH-24, VR-241, H-510, P15-LL, PLJ-18, PLM-18	17.15

Uncased Type. Pin-Tip Adjustment. Mountable on Speaker.

Stock No.	Core Size	Impedance	Mtg., Ctrs., In.	Power Watts	For Use With:	List Price
ZX-1002	3/4x3/4"	6-8	2 13/16	10.0	P12-T, P10-S, P10-T, P10-SX, P8-R, P8-S, P8-SX, P8-RX	\$5.00
ZX-1005	7/8x7/8"	6-8	3 1/8	16.0	P15-Q, P12-P, P12-Q, P12-RX, P12-R, P12-S, P12-SX, P10-Q, P10-R, P8-P, P8-Q, K-210	7.20
ZX-1007	1x1"	8	3 1/8	25.0	P15-N, P15-NX, P15-P, P12-N, P12-NX	9.75

Type "ZY"

Same as Type "ZX" except for matching "line" impedance values. Impedances: 500, 1,000, 1,500, 2,000 and voice coil. No center tap available.

Cased Type. Pin-Tip Adjustment. Not Mountable on Speaker.

Stock No.	Core Size	Impedance	Mtg. Ctrs., In.	Power Watts	For Use With:	List Price
ZY-4000	1x1 1/4"	8	1 11/16x3 15/16	35.0	PMJ-18, P15-L	\$17.15
ZY-4001	1x1 1/4"	16	1 11/16x3 15/16	35.0	VH-20, VH-24, VR-241, H-510, P15-LL, PLJ-18, PLM-18	17.15

Jensen Impedance Matching TRANSFORMERS

ADJUSTABLE IMPEDANCE (Cont'd)

Type "ZY"

Pin-Tip Adjustment. Mountable on Speaker

Stock No.	Core Size	Impedance	Mtg. Ctrs., In.	Power Watts	For Use With:	List Price
ZY-2005	1x1"	8	3 $\frac{1}{8}$	25.0	P15-N, P15-NX, P15-P, P12-N, P12-NX	\$9.75
ZY-2003	7/8x7/8"	6-8	3 $\frac{1}{8}$	16.0	P15-Q, P12-P, P12-Q, P12-RX, P12-R, P12-S, P12-SX, P10-Q, P10-R, P8-P, P8-Q, K-210	7.20
ZY-4004	3/4x3/4"	3-4	2 $\frac{13}{16}$	10.0	P8-T	5.00
ZY-2002	3/4x3/4"	6-8	2 $\frac{13}{16}$	10.0	P12-T, P10-S, P10-SX, P8-R, P8-RX, P8-S, P8-SX, VH-15, VR-11	5.00
ZY-4002	5/8x5/8"	3-4	2 $\frac{3}{8}$	6.5	P8-U, P8-V, P6-T, P6-TX, P6-V	3.35
ZY-4005	5/8x5/8"	6-8	2 $\frac{3}{8}$	6.5	VH-91	3.35

Types "ZP and "ZL"

Lower priced than "ZX" or "ZY" Types but perfectly satisfactory when used in proper application. Soldering iron required for making adjustments on terminal block. "ZP" for "plate", "ZL" for line.

Solder Lug Terminals. Mountable on Speaker

Stock No.	Core Size	Impedance	Mtg. Ctrs., In.	Power Watts	For Use With:	List Price
ZP-1023	1/2x1/2"	4500/3-4 7000/3-4 10000/3-4 14000/3-4	2	3.5	P6-X, P5-V, P5-X, P5-TX, P4-X	\$2.15
ZP-1025	1/2x1/2"	1500/3-4 2000/3-4 2500/3-4	2	3.5	P6-X, P5-V, P5-X, P5-TX, P4-X	2.15
*ZP-1024	5/8x5/8"	4500/3-4 7000/3-4 10000/3-4 14000/3-4	2 $\frac{3}{8}$	6.5	P8-U, P8-V, P6-T, P6-TX, P6-V	2.50
*ZP-1026	5/8x5/8"	4500/6-8 7000/6-8 10000/6-8 14000/6-8	2 $\frac{3}{8}$	6.5	VH-91	2.50
ZL-2021	1/2x1/2"	500/3-4 1000/3-4 1500/3-4 2000/3-4	2	3.5	P6-X, P5-V, P5-X, P5-TX, P4-X	2.15
ZL-2022	5/8x5/8"	500/6-8 1000/6-8 1500/6-8 2000/6-8	2 $\frac{3}{8}$	6.5	VH-91	2.50

Type "Z"

FIXED IMPEDANCE

Cased Type, Screw Terminals. Not Mountable on Speaker

Stock No.	Core Size	Impedance	Mtg. Ctrs., In.	Power Watts	For Use With:	List Price
Z-2731	1 $\frac{1}{4}$ x1 $\frac{1}{4}$ "	500/16 or 8	3 $\frac{1}{4}$ x4 $\frac{1}{16}$	45.0	PLJ-18, PMJ-18, P15-L, P15-LL, VH-20, VH-24, PLM-18	\$21.40
Z-2732	1 $\frac{1}{4}$ x1 $\frac{1}{4}$ "	16/8	3 $\frac{1}{4}$ x4 $\frac{1}{16}$	45.0	PLJ-18, PMJ-18, P15-L, VH-20, VH-24, PLM-18	20.25
Z-2733	1x1"	16/8	3 $\frac{1}{8}$	25.0	XP-101, P15-NL	12.00

* Center-tapped

Jensen Impedance Matching TRANSFORMERS

FIXED IMPEDANCE (Cont'd)

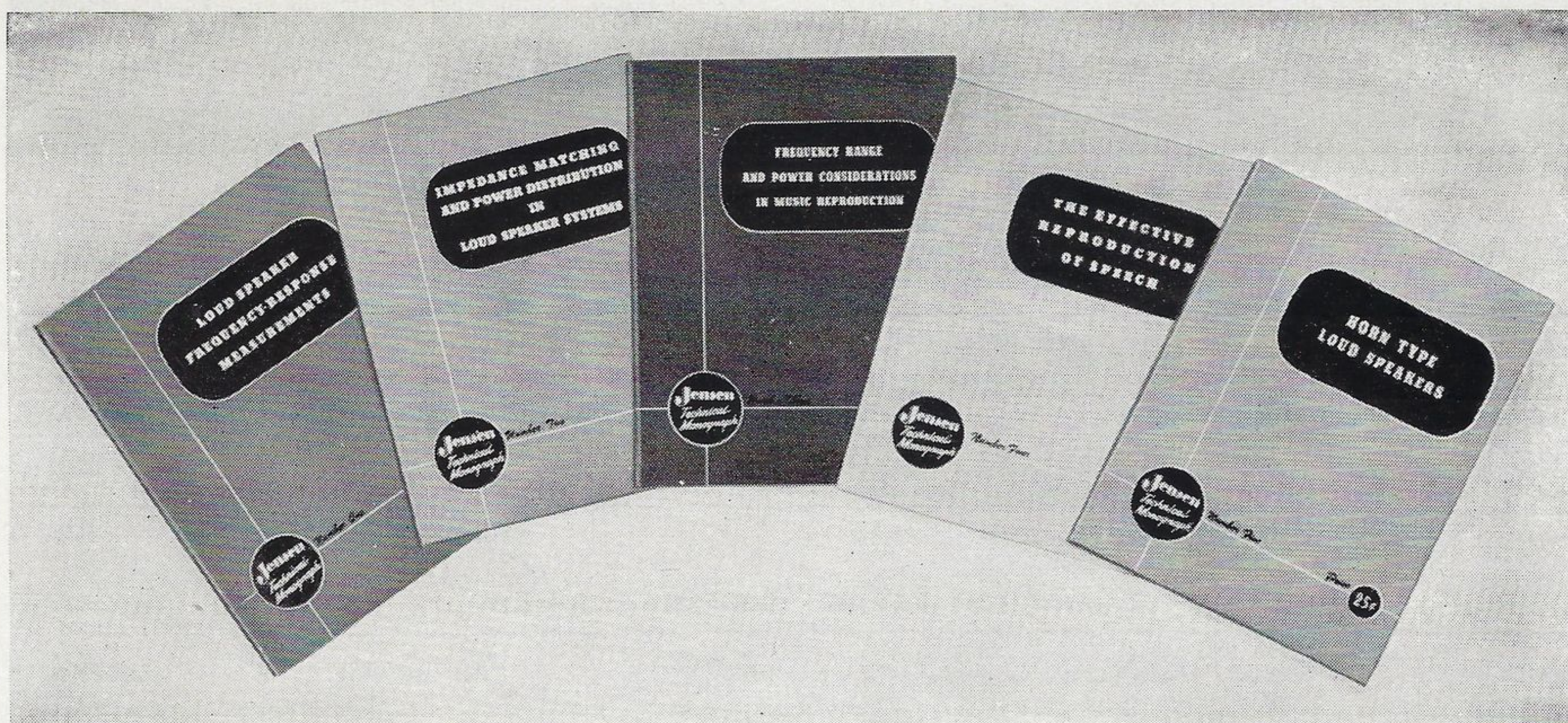
Cased Type, Solder Lug Terminals. Not Mountable on Speaker

Stock No.	Core Size	Impedance	Mtg. Ctrs., In.	Power Watts	For Use With:	List Price
Z-3344	1x1 1/4"	500/8 or 4	1 11/16 x 3 15/16	35.0	PMJ-18, P15-L, P15-N, P15-NX	\$13.50
Z-3342 Z-3343	1x1" 1x1"	500/16 or 8 500/8 or 4	3 1/8	25.0	P15-N, P15-NX, P15-P, P12-N, P12-NX, VH-20, VH-24, VR-241, P15-NL	10.25

Uncased, Pig-tail Leads. Mountable on Speaker

Stock No.	Core Size	Impedance	Mtg. Ctrs., In.	Power Watts	For Use With:	List Price
Z-3422 Z-1888 Z-2386 Z-2387 Z-3341 Z-1891 Z-2241	1x1"	16/6-8/3-4 500/6-8 *3000/6-8 *5000/6-8 *6000/6-8 *10000/6-8 *14000/6-8	3 1/8	25.0	P15-N, P15-NX, P15-P, P12-N, P12-NX, F15-N, F12-N	\$6.00
Z-3346	1x1"	500/16	3 1/8	25.0	VH-20, VH-24, VR-241	6.00
Z-3319 Z-3320 Z-3321 Z-3318 Z-3322 Z-3323	7/8 x 7/8"	500/6-8 *3000/6-8 *5000/6-8 *6000/6-8 *10000/6-8 *14000/6-8	3 1/8	16.0	P15-N, P15-P, P12-N, P12-NH, F15-N, P12-S, P12-SH, P10-Q, P10-R, P8-Q, F15-Q, F12-Q, JRP-40	4.00
Z-3329 Z-3330 Z-3331 Z-3332 Z-3333 Z-3334	7/8 x 7/8"	500/3-4 *3000/3-4 *5000/3-4 *6000/3-4 *10000/3-4 *14000/3-4	3 1/8	16.0	F12-S, F12-SH	4.00
Z-3324 Z-3325 Z-3326 Z-3309 Z-3327 Z-3328	3/4 x 3/4"	500/6-8 *3000/6-8 *4500/6-8 *7000/6-8 *10000/6-8 *14000/6-8	2 13/16	10.0	P12-T, P10-S, P10-T, P8-R, P8-S, P8-SH, VH-15, VR-11	2.75
Z-3335 Z-3336 Z-3337 Z-3338 Z-3339 Z-3340	3/4 x 3/4"	500/3-4 *3000/3-4 *4500/3-4 *7000/3-4 *10000/3-4 *14000/3-4	2 13/16	10.0	P8-T, F10-S, F8-S, F8-T	2.75
Z-3310 Z-3311 Z-3312 Z-3313 Z-3314 Z-3315 Z-3316 Z-3317	5/8 x 5/8"	500/3-4 1500/3-4 2000/3-4 2500/3-4 *4500/3-4 *7000/3-4 *10000/3-4 *14000/3-4	2 3/8	6.5	P8-U, P8-V, P6-T, P6-TH, P6-V, F8-W, F6-U	1.90
Z-3345	5/8 x 5/8"	45-50/6-8	2 3/8	6.5	VH-91, VR-11	2.10
Z-3300 Z-3301 Z-3302 Z-3303 Z-3304 Z-3305 Z-3306 Z-3307	1/2 x 1/2"	500/3-4 1500/3-4 2000/3-4 2500/3-4 4500/3-4 *7500/3-4 *10000/3-4 *12000/3-4	2	3.5	AP-10, AP-11, AR-10 P6-X, P5-V, P5-X, P4-X, F6-X, F6-W, F5-W, F5-X, F4-X, RK-51	1.50
Z-3308	1/2 x 1/2"	3-4/grid	2	3.5	All 3-4 ohm V.C. speakers	1.70

*Center-tapped.



JENSEN TECHNICAL MONOGRAPHS

Everyone interested in the reproduction of sound—engineer, tradesman, instructor, student or layman—should own these five Monographs. Published by the JENSEN Technical Service Department in the interest of improved sound reproduction, these booklets are the first five numbers of a series. Up-to-date in factual information, replete with useful charts, graphs and tables, they supply a world of data, heretofore unobtainable, to guide in the selection, installation and operation of loud speakers. You will want not only these five numbers but the rest of the series as announced from time to time. If your dealer does not have them in stock, order direct from Technical Service Department, Jensen Manufacturing Company, 6601 S. Laramie Ave., Chicago 38, sending remittance of 25c in coin, stamps or money order for each Monograph desired. No orders shipped c.o.d.

Monograph No. 1: "Loud Speaker Frequency-Response Measurements"

Deals with one of the most interesting and controversial subjects in the field of acoustics. Discusses, among other things, the frequency-response of the human ear, the influence of environment on frequency-response, the practical aspects of frequency-response measurements. Amply illustrated with charts and graphs.

Monograph No. 1, each 25c

Monograph No. 2: "Impedance Matching and Power Distribution"

Discusses such subjects as multiple speaker connection, volume control, design of efficient transmission lines, and conversion of volume levels to power and voltage. The text is supported by twenty-eight drawings and tables. More than a score of questions are described, illustrated and solved, including a comprehensive sound system for a military installation.

Monograph No. 2, each 25c

Monograph No. 3: "Frequency Range in Music Reproduction"

What frequency range is needed for high-fidelity reproduction? What are the maximum useful audio frequency ranges under actual listening conditions? What are the practical limitations on high-fidelity reproduction even if perfect transmission, reception and reproduction were possible? How much change in high-frequency cut-off is required to be just noticeable to the listener?

All these and many more questions are answered in this JENSEN Monograph.

Monograph No. 3, each 25c

Monograph No. 4: "The Effective Reproduction of Speech"

Explains why faithful speech reproduction requires a frequency band almost as wide as for music, while amplified speech for strictly communication purposes may be reproduced satisfactorily within a narrower band because in this case the principal emphasis is on such things as articulation, loudness, masking, and power requirements. Presents useful conclusions and practical information for everyone interested in speech reproduction.

Monograph No. 4, each 25c

Monograph No. 5: "Horn-type Loud Speakers"

What effect do horn formula, flare and length have on low-frequency cut-off? In the most commonly used frequencies, which horn is most directional—one with large or one with small mouth? What are the advantages of the reflex type horn? How is a 500-watt "Bull-horn" constructed? What are the advantages of the new Hypex, originated by JENSEN, over the exponential type? Monograph No. 5 discusses simply and clearly these and other questions pertinent to the study of electroacoustics. By means of photographs, diagrams and graphs, it reviews the principles, performance characteristics and applications of horn-type loud speakers and illustrates modern reproducers employing horns.

Monograph No. 5, each 25c

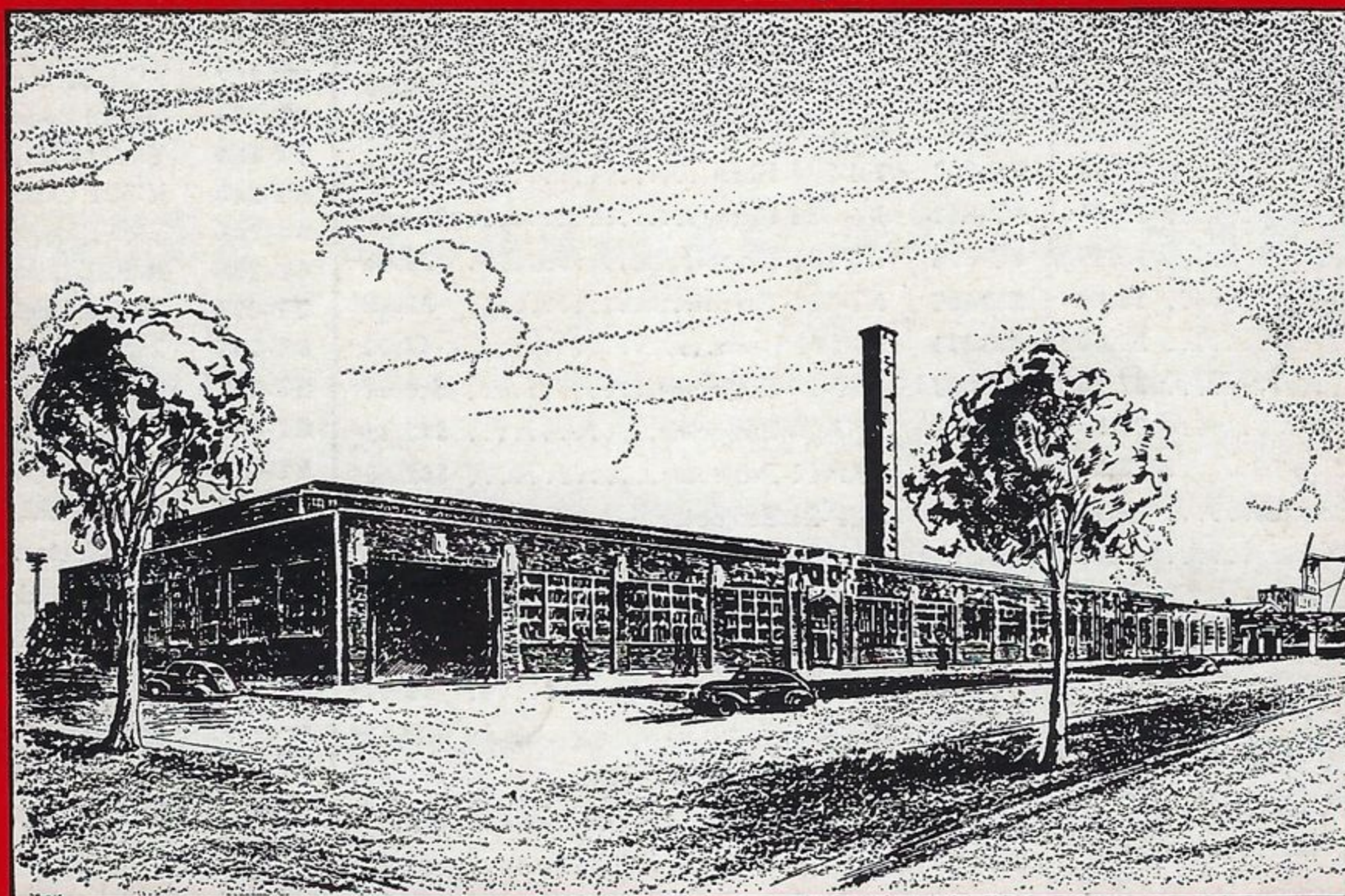


STOCK NUMBER

NUMERICAL LIST

Stock No.	Item	List Price	Stock No.	Item	List Price	Stock No.	Item	List Price
ST-101	P12-T Speaker	\$11.85	ST-657	P12-P Speaker.....	40.00	ST-762	D-221 Cabinet.....	79.50*
ST-102	P12-S Speaker	16.50	ST-661	F15-N Speaker, 4000 ohms....	44.00	ST-763	D-251 Cabinet.....	79.50*
ST-103	P12-R Speaker	19.50	ST-662	F15-N Speaker, 5300 ohms....	44.00	ST-768	M-252 Reprodncer Cabinet....	
ST-104	P8-S Speaker.....	12.25	ST-663	F15-Q Speaker, 1000 ohms....	28.50	ST-769	L-251 Customode Console.....	
ST-105	P5-X Speaker.....	4.30	ST-666	F12-N Speaker, 4000 ohms....	36.50	ST-770	N-201 Customode Cabinet.....	
ST-107	P5-V Speaker.....	5.40	ST-667	F12-N Speaker, 5300 ohms....	36.50	ST-772	N-203 Customode Cabinet.....	
ST-108	P6-X Speaker.....	5.00	ST-668	F12-Q Speaker, 1000 ohms....	21.00	ST-773	N-204 Customode Cabinet.....	
ST-109	P6-W Speaker.....	5.65	ST-673	P12-Q Speaker.....	27.75	ST-776	20" Customode Foot Assbly....	
ST-110	P6-V Speaker.....	6.10	ST-676	P10-Q Speaker.....	26.30	ST-777	Customode Motorboard Assbly..	
ST-112	P6-T Speaker.....	7.75	ST-677	P8-Q Speaker.....	24.20	ST-782	Customode Single Foot.....	
ST-113	P4-X Speaker.....	4.15	ST-678	P15-Q Speaker.....	35.00	ST-785	14" Customode Foot Assbly....	
ST-115	P8-V Speaker.....	7.30	ST-684	VH-20 Hypex Projector.....	63.00	ST-786	L-351 Customode Console.....	
ST-116	P8-U Speaker.....	8.35	ST-685	VH-24 Hypex Projector.....	74.50	ST-787	V-21 Driver Unit.....	32.50
ST-117	P8-T Speaker.....	9.50	ST-691	XP-101 Driver Unit.....	185.60*	ST-788	M-352 Reprodncer Cabinet....	
ST-119	P10-T Speaker	10.65	ST-692	K4-244 Horn.....	203.40*	ST-789	VR-241 Hypex Projector.....	79.00
ST-120	P10-S Speaker	15.25	ST-693	K4-354 Horn.....	399.40*	ST-790	N-301 Customode Cabinet.....	
ST-121	P10-R Speaker	18.50	ST-694	KT-101 Throat.....	20.25*	ST-791	VR-11 Hypex Projector.....	40.00
ST-141	H-81 Cabinet.....	22.50*	ST-695	KT-201 Throat.....	33.15*	ST-792	N-303 Customode Cabinet.....	
ST-156	D-121 Cabinet.....	77.50*	ST-696	P8-151 Horn.....	45.00*	ST-793	N-304 Customode Cabinet.....	
ST-157	D-151 Cabinet.....	77.50*	ST-697	XKP-10 Projector.....	410.65*	ST-796	20" Customode Foot Assbly....	
ST-164	F4-X Speaker, 1000 ohms.....	5.20	ST-698	XKP-20 Projector.....	613.15*	ST-797	Customode Motorboard Assbly..	
ST-165	F5-X Speaker, 1000 ohms.....	5.40	ST-699	XKP-11 Projector.....	607.50*	ST-802	Customode Single Foot.....	
ST-166	F6-X Speaker, 1000 ohms.....	5.65	ST-700	XKP-21 Projector.....	810.00*	ST-803	P525-V Speaker.....	5.50
ST-167	F5-X Speaker, 1800 ohms.....	5.65	ST-701	F2-1 Filter.....	24.75*	ST-804	P7-T Speaker.....	9.25
ST-168	F6-X Speaker, 1800 ohms.....	5.90	ST-702	PLJ-18 Speaker.....	264.50*	ST-805	14" Customode Foot Assbly....	
ST-169	P8-R Speaker.....	15.25	ST-703	PLM-18 Speaker.....	202.50*	ST-806	P7-U Speaker.....	7.95
ST-171	VH-91 Projector.....	32.50	ST-705	P15-NL Speaker.....	73.15*	ST-807	P7-T Speaker.....	8.75
ST-173	F12-S Speaker, 1500 ohms....	14.60	ST-710	WK-152 Horn.....	393.75*	ST-808	F7-U Speaker, 4 ohms.....	7.45
ST-175	F10-S Speaker, 1500 ohms....	12.70	ST-711	WK-182 Horn.....	421.90*	ST-809	F7-T Speaker, 4 ohms.....	8.65
ST-177	F8-S Speaker, 1500 ohms....	11.10	ST-713	A4-2 Network.....	174.40*	ST-810	P69-V Speaker.....	7.90
ST-179	F8-T Speaker, 1000 ohms.....	8.85	ST-714	A8-3 Network.....	56.25*	ST-811	P69-T Speaker.....	9.60
ST-180	F8-T Speaker, 1800 ohms.....	8.95	ST-715	EA-2 Assembly.....	18.00*	ST-812	P69-S Speaker.....	12.50
ST-186	F6-U Speaker, 1000 ohms.....	6.75	ST-716	EA-3 Assembly.....	19.70*	ST-813	F69-U Speaker, 4 ohms.....	7.95
ST-187	F6-U Speaker, 1800 ohms.....	6.75	ST-717	BP-402 System.....	1237.00*	ST-814	F69-T Speaker, 4 ohms.....	9.25
ST-189	F6-X Speaker, 450 ohms.....	5.55	ST-718	BP-403 System.....	1631.20*	ST-815	JB-1 Junction Box.....	
ST-190	F6-X Speaker, 2800 ohms.....	5.80	ST-719	BP-405 System.....	1432.70*	ST-817	P15-NX Speaker.....	57.25
ST-191	F5-W Speaker, 1000 ohms.....	5.85	ST-720	BP-408 System.....	1920.95*	ST-819	P12-NX Speaker.....	51.00
ST-192	F5-W Speaker, 1800 ohms.....	6.20	ST-721	BP-410 System.....	1973.45*	ST-821	P12-SX Speaker.....	18.00
ST-194	F5-X Speaker, 450 ohms.....	5.35	ST-722	EP-801 System.....	506.25*	ST-823	P10-SX Speaker.....	16.75
ST-195	F5-X Speaker, 2800 ohms.....	5.60	ST-723	EP-802 System.....	553.00*	ST-825	P8-SX Speaker.....	14.20
ST-196	F4-X Speaker, 450 ohms.....	5.15	ST-724	EP-805 System.....	635.65*	ST-826	P6-TX Speaker.....	9.00
ST-198	F4-X Speaker, 2800 ohms.....	5.40	ST-725	EP-807 System.....	697.50*	ST-827	P5-TX Speaker.....	8.00
ST-276	Volume Control.....	2.20	ST-730	EA-5 Stand.....	5.00	ST-828	H-510 Coaxial.....	135.00
ST-411	Volume Control.....	3.00	ST-736	F8-W Speaker, 1000 ohms.....	6.65	ST-829	K-410 Coaxial.....	94.25
ST-541	PMJ-18 Speaker.....	264.50*	ST-737	F8-W Speaker, 1800 ohms.....	7.00	ST-830	K-310 Coaxial.....	56.25
ST-589	Q8P H-F Unit.....	14.65	ST-739	P4-X Speaker, 45-ohm V. C....	4.85	ST-831	K-210 Coaxial.....	33.40
ST-590	AP-10 Speech Master, 4 ohms..	16.50	ST-740	P5-X Speaker, 45-ohm V. C....	4.95	ST-832	A-110 Network.....	26.50
ST-591	AP-10 Speech Master, 45 ohms.	17.00	ST-741	B-81 Cabinet.....	31.50*	ST-833	T-101 Transformer Assbly.....	12.00
ST-592	AP-11 Speech Master, 4 ohms..	13.90	ST-742	B-121 Cabinet.....	44.50*	ST-834	T-102 Transformer Assbly.....	12.00
ST-593	AP-11 Speech Master, 45 ohms.	14.35	ST-743	B-151 Cabinet.....	52.75*	ST-835	T-103 Transformer Assbly.....	12.00
ST-604	A40-1 Network.....	39.40	ST-744	F12-S Speaker, 1000 ohms.....	14.60	ST-836	H-F Control.....	4.85
ST-605	Mounting Arms.....	1.60	ST-745	F10-S Speaker, 750 ohms.....	12.25	ST-837	Level Control.....	3.00
ST-606	Level Control.....	3.00	ST-746	F8-S Speaker, 750 ohms.....	10.65	ST-839	Grille & Baffle Assbly.....	
ST-633	SPH-81 Projector.....	82.50	ST-752	RK-51 Reprodncer.....	22.50	ST-840	Grille & Baffle Assbly.....	
ST-643	AR-10 Speech Master, 3-4 ohms.	20.00	ST-757	VH-15 Hypex Projector.....	47.00	ST-841	TV Shelf.....	
ST-644	AR-10 Speech Master, 45 ohms..	20.75	ST-758	P15-L Speaker.....	108.60*	ST-842	TV Shelf.....	
ST-654	P15-N Speaker.....	55.00	ST-759	P15-LL Speaker.....	119.85*	ST-885	P12-RX Speaker.....	21.50
ST-655	P15-P Speaker.....	47.25	ST-760	Level Control.....	2.20	ST-886	P10-RX Speaker.....	20.50
ST-656	P12-N Speaker.....	49.00	ST-761	Level Control.....	3.50	ST-887	P8-RX Speaker.....	17.75

*Schedule 1



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