

STROMBERG-CARLSON

SOUND

AND
INTERCOMMUNICATION EQUIPMENT

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A.E. NAGLE 6-16-50.

Stromberg-Carlson

SOUND EQUIPMENT

INDEX

AMPLIFIERS	Page	RECORD PLAYERS	Page
AU-29 Universal Amplifier, 6 watts.....	2		11
AM-48 and AM-49 Mobile Amplifier, 6 watts.....	7	SCHOOL SYSTEMS	
AR-37 Record Amplifier, 10 watts.....	6	SS-200 Type.....	26, 27
AU-32 Universal Amplifier, 15 watts.....	4	SS-1200 Type.....	25
AU-42 Universal Amplifier, 15 watts.....	2	INTERCOMMUNICATING SYSTEMS	
AU-33 Universal Amplifier, 25 watts.....	4	SPECIAL ENGINEERED SYSTEMS	28
AU-34 Universal Amplifier, 25 watts.....	3	IM-3 Type.....	29
AM-43C Mobile Amplifier, 25 watts.....	7	IM-10 Type.....	29
AP-25 Power Amplifier, 50 watts.....	10	Nurses' Call Systems.....	30, 31
AU-35 Universal Amplifier, 50 watts.....	5	IM-20 Type.....	32
AU-36 Universal Amplifier, 50 watts.....	3	IM-507 and 514 Systems.....	33
AV-38 Pre-Amplifier.....	8	INTERCOMMUNICATING TELEPHONE SYSTEMS	
AV-39 Pre-Amplifier.....	8	Executive System.....	34
AV-44, AV-45, AV-46 Pre-Amplifiers.....	9	Master System.....	35
PA-1 Pre-Amplifier Power Supply.....	9	Standard System.....	36
PORTABLE SYSTEMS		School & Motor-Court System.....	37
PS-29, PS-32.....	12	Duo-Private System.....	38
PS-33, PS-34, PS-37, PS-42.....	13	ACCESSORIES	
MICROPHONES	14, 15, 16	Radio Chassis.....	41
MICROPHONE STANDS	17	Terminals.....	39
SPEAKERS		Wire and Cable.....	40
Cone Type.....	20	Relays.....	42
Cone Speaker Cabinets.....	19	Cam Keys.....	43
Projector & Driver Units.....	22	Key Boxes and Mountings.....	44
Speaker Housings.....	18	Jacks and Plugs.....	45
Re-Entrant Type.....	23	Steel Panel Assemblies.....	46
TRANSFORMERS		Lever Type Switches.....	47
Line.....	21		
Input.....	41		

STROMBERG-CARLSON COMPANY
SOUND EQUIPMENT DIVISION
ROCHESTER 3, N. Y.



AMPLIFIERS



Model AU-29 Amplifier with AC-29 Top Cover

Brief Specifications

Ratings are based on actual production models and every amplifier will meet or exceed these specifications.

Size with Cover: 11" wide, 6" deep, 9 1/2" high. Allow 1" front for knobs and 2" back and side for connectors.

Weight: Net 8 lbs., packed for shipment 9 3/4 lbs.

Tubes Supplied: 2—6SJ7, 1—6L6G, 1—5Y3G.

Power Supply: 105-125 volts, 50-60 cycles, 75 watts at 117 volts.

Inputs: One microphone, one phonograph, both high impedance.

Controls: One microphone, one phonograph, one treble control with off-on switch.

Power Output: 6 watts, less than 5% harmonic content.

Power Gain: 103 db from microphone input, 61 db from phonograph input, based on 50,000 ohm input source.

Output Impedance Taps: 4, 8, and 15 ohms.

Frequency Response: 75 to 8,500 cycles within +0 db - 3 db.

Finish: Glacier Gray over copper plate.

Underwriters' Listing: Listed under re-examination service of Underwriters' Laboratories, Inc.

Top Cover: Order AC-29.

Model AU-29 Amplifier

► Excellent Communication Amplifier

► High Quality Components

► Two Input Mixers

► Six Watt Output

The Model AU-29 Amplifier is a low power, high quality amplifier embodying the same design principles used in the higher power amplifiers. The same high quality components, copper plated base and standards of performance are used.

Microphone and phonograph inputs that can be blended or mixed, each individually controlled, and off-on switch combined with the treble control provide flexible operation.

While the Model AU-29 Amplifier has many individual uses as the only amplifier in a system, it may also be combined with other Straight-Line Communication equipment for larger system operation. It is successfully used as a driver or bridging amplifier, monitor amplifier and talk-back amplifier.

Model AU-29 Amplifier is sold less top cover. When required it should be ordered separately. (See brief specifications.)

Model AU-42 Amplifier

► Resistor Board Construction

► Fifteen Watt Output

► Complete with Top Cover

Economy must be considered for many sound and communication installations where dependability and quality performance cannot be sacrificed. Stromberg-Carlson builds amplifiers with one microphone and one phonograph input and with six, fifteen, twenty-five, or fifty watt outputs to satisfy this demand.

Model AU-42 Amplifier is the fifteen watt amplifier in this series. Circuit design permits independent control and mixing of the microphone and phonograph or equivalent level inputs.

Among the many applications for this series of amplifiers is in communication systems using the Model IM-3 or Model IM-20 Masters. Model AU-42 Amplifiers fifteen watt output will satisfy the audio power needs in many two-way communication systems. It is also suggested as the amplifier to select in small voice paging, public address and wired music installations.

Model AU-42 Amplifier is sold complete with top cover.



Model AU-42 Amplifier

Brief Specifications

Ratings are based on actual production models and every amplifier will meet or exceed these specifications.

Size with Cover: 13 1/2" wide, 7 1/2" deep, 10 1/4" high. Allow 1" front for knobs and 2" back and side for connectors.

Tubes Supplied: 1—6SF5, 1—6J5 or 6C5, 1—6SC7, 2—6L6G, 1—5Y3GT/G.

Power Supply: 105-125 Volts, 50-60 cycles, 90 watts at 117 volts.

Inputs: One microphone, one phonograph, both high impedance.

Controls: One microphone, one phonograph, one treble control with off-on switch.

Power Output: 15 watts, less than 5% harmonic content.

Power Gain: 108 db from microphone input, 75 db from phonograph input, based on 50,000 ohm input source.

Output Impedance Taps: 4, 8, 15 and 500 ohms.

Frequency Response: 75 to 10,000 cycles within +0 db - 3 db.

Finish: Glacier Gray over copper plate.

Underwriters' Listing: Listed under re-examination service by Underwriters' Laboratories, Inc.

There is Nothing Finer Than a Stromberg-Carlson



Model AU-34 Amplifier

- ▶ One Microphone Input
- ▶ One Treble Control ▶ 25 Watts Audio Power
- ▶ One Phonograph Input
- ▶ Underwriters Listing

There are many sound system installations requiring twenty-five or less watts of audio power. There are numerous occasions where only one microphone is connected to the amplifier at a time. Wired music systems may only require a phonograph input at the amplifier.

When multiple inputs and controls are not required, selection of the Model AU-34 Amplifier in a system results in a saving.

More than one microphone can be incorporated in this type of system provided only a single microphone is connected to the amplifier input at a time. The No. 13 Type Key Box is an excellent piece of equipment to use for this switching purpose.

All Stromberg-Carlson amplifiers are inspected before shipment using the standard set of tubes packed with the amplifier. Each amplifier must meet or exceed its specification ratings.



Model AU-36 Amplifier

Brief Specifications

Ratings are based on actual production models and every amplifier will meet or exceed these specifications.

Size: 16" wide, 12" deep, 11" high. Allow 1" front for knobs, 2" back and side for connectors.
Weight: Net 35 lbs., packed for shipment 44 lbs.
Tubes Supplied: 1-6SJ7, 1-6SC7, 1-6N7, 4-6L6G, 2-5U4G.
Inputs: One microphone, one phonograph, both high impedance.
Controls: One microphone, one phonograph, one bass, one treble, one on-off power switch.
Power Supply: 105-125 volts, 50-60 cycles. 245 watts at 117 volts.
Power Output: 50 watts, less than 5% harmonic content.
Power Gain: 117 db from microphone input, 82 db from phonograph input based on 50,000 ohm input source.
Output Impedance Taps: 4, 8, 15, 250, and 500 ohms.
Frequency Response: 50 to 12,000 cycles within + 0 db. - 3 db.
Finish: Glacier Gray over copper plate.
Underwriter's Listing: Listed under re-examination service by Underwriters' Laboratories, Inc.

Accessories

Record Player Top Cover: Model PR-4 is designed to fit Model AU-36 Amplifier.



Model AU-34 Amplifier

Brief Specifications

Ratings are based on actual production models and every amplifier will meet or exceed these specifications.

Size: 13½" wide, 9" deep, 9" high. Allow 1" front for knobs, 2" side and back for connectors.
Weight: Net 20 lbs., packed for shipment 22½ lbs.
Tubes Supplied: 1-6SJ7, 1-6SF5, 1-6N7, 2-6L6G, 1-5U4G.
Inputs: One microphone, one phonograph, both high impedance.
Controls: One microphone, one phonograph, one treble control with on-off switch.
Power Supply: 105-125 volts, 50-60 cycles. 125 watts at 117 volts.
Power Output: 25 watts, less than 5% harmonic content.
Power Gain: 109 db from microphone input, 69 db from phonograph input based on 50,000 ohm input source.
Output Impedance Taps: 4, 8, 15, 250, and 500 ohms.
Frequency Response: 50 to 10,000 cycles within + 1 db. - 2 db.
Finish: Glacier Gray over copper plate.
Underwriters' Listing: Listed under re-examination service by Underwriters' Laboratories, Inc.

Accessories

Record Player Top Cover: Model PR-3 is designed to fit Model AU-34 Amplifier.

Model AU-36 Amplifier

- ▶ Additional Amplifier Jack
- ▶ Fifty Watt Output ▶ Underwriters Listing
- ▶ Bass and Treble Controls

When high audio power is required and one microphone and one phonograph input are sufficient, the Model AU-36 Amplifier will be selected.

The Model AU-36 Amplifier will serve the same type of installations suggested for Model AU-34 Amplifier with the additional ability to drive more reproducers and operate them at higher levels. The separate variable bass and treble controls provide flexible adjustment to meet acoustical conditions encountered and for wired music adjustments. Its use in a system requiring fifty watts of audio power results in a saving in the amplifier cost.

Another feature of the Model AU-36 Amplifier is the ability to tie two of these amplifiers together at the "additional amplifier" jacks. When this is done, 100 watts of audio power is available (50 watts at the output of each amplifier) and two microphone inputs and two phonograph inputs are provided.



AMPLIFIERS



Model AU-32 Amplifier

Brief Specifications

Ratings are based on actual production models and every amplifier will meet or exceed these specifications.

Size with Cover: 13½" wide, 7½" deep, 10¼" high. Allow 1" front for knobs, 2" back and side for connectors.

Weights: Net 19 lbs., packed for shipment 22.5 lbs.

Tubes Supplied: 1-6J5, 2-6SC7, 2-6L6G, 1-5Y3G.

Inputs: Two microphone, one phonograph; all high impedance.

Controls: Two microphone, one phonograph, one treble attenuator with off-on switch.

Power Supply: 105-125 volts, 50-60 cycles, 90 watts at 117 volts.

Power Output: 15 watts, less than 5% harmonic content.

Power Gain: 105 db. from microphone inputs, 72 db. from phonograph input, based on 50,000 ohm input source.

Output Impedance Taps: 4, 8, 15 and 500 Ohms.

Frequency Response: 75 to 10,000 cycles within + 0 db. - 3 db.

Finish: Glacier Gray over copper plate.

Underwriters' Listing: Listed under re-examination service of Underwriters' Laboratories, Inc.

Model AU-32 Amplifier

- ▶ Underwriters Listing
- ▶ Three Input Mixers
- ▶ Copper Plated Chassis
- ▶ New Styling
- ▶ Resistor Board Construction

One phonograph and two microphone high impedance inputs that can be blended or mixed, treble control and fifteen watts of audio power, make the Model AU-32 Amplifier the logical choice for many sound system installations.

Like all Stromberg-Carlson Amplifiers, it is built on a rugged steel base, copper plated to withstand the elements and provide better electrical circuits. Model AU-32 Amplifier also inaugurates resistor board construction in Stromberg-Carlson amplifiers. Proven in wartime communication equipment, resistor board construction provides greater freedom from vibration troubles and therefore more reliable operation is obtained. It helps prevent embarrassing equipment failures.

Model AU-32 Amplifier will be selected as the amplifying equipment in many permanently installed public address systems. It will be found in service men's clubs, restaurants, night clubs, social halls, wholesale and retail establishments, wired music installations and a host of other locations to provide high quality amplification of voice and music programs.

Model AU-33 Amplifier

- ▶ Separate Treble and Bass Controls
- ▶ Four Input Mixers
- ▶ Underwriters Listing
- ▶ Multi-tapped Output Transformer
- ▶ Resistor Board Construction

Model AU-33 Amplifier, with one phonograph and three microphone inputs that can be blended or mixed, separate bass and treble controls and 25 watts of usable audio power, provides the flexibility of control and audio power desired in many sound system installations. It will be first choice in many permanent, portable and rental systems.

Features that appeal in the Model AU-33 Amplifier are: rigid, copper-plated base for durability and best electrical circuits; resistor board construction for reliability in operation; six operating controls for flexibility; multi-tapped output transformer for good matching of reproducer loads; plus quality performance and good appearance for pride of ownership.

Low impedance input transformers are available so that low impedance, balanced line microphones can be used to maintain high quality performance from remote microphone locations.

School and church auditoriums; hotels, bus, airport and railroad stations; and freight transfer terminals, are just a few suggestions for systems using the Model AU-33 Amplifier.



Model AU-33 Amplifier

Specifications

Ratings are based on actual production models and every amplifier will meet or exceed these specifications.

Over-all Size: 13½" width, 9" depth, 10¼" height. Allow 1" front for knobs and 2" back and side for connectors.

Weight: Net 25 lbs., packed for shipment 28¾ lbs.

Tubes Supplied: 3-6SJ7, 1-6SF5, 1-6N7, 2-6L6G, 1-5U4G.

Inputs: Three microphone, one phonograph, all high impedance.

Controls: Three microphones, one phonograph, one bass, one treble, and one on-off switch.

Power Supply: 105-125 volts, 50-60 cycles, 130 watts at 117 volts.

Power Output: 25 watts, less than 5% harmonic content.

Power Gain: 108 db from microphone inputs; 68 db from phonograph input, based on 50,000 ohm input source.

Output Impedance Taps: 4, 8, 15, 250, and 500 ohms.

Frequency Response: 50 to 10,000 cycles within + 1 db. - 2 db.

Finish: Glacier Gray over copper plate.

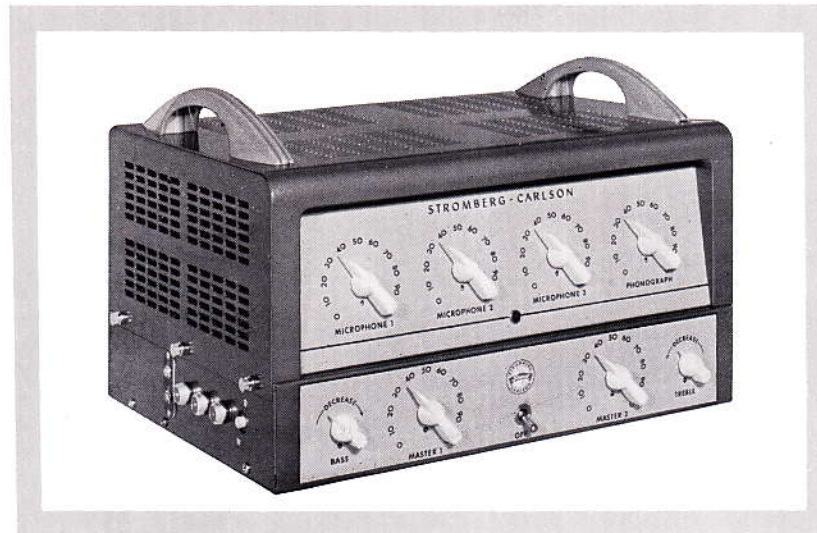
Underwriters' Listing: Listed under re-examination service of Underwriters' Laboratories, Inc.

There is Nothing Finer Than a Stromberg-Carlson

AMPLIFIERS



- ▶ Dual Output Channels
- ▶ Four Position Mixer
- ▶ Resistor Board Construction
- ▶ Copper Plated Chassis



- ▶ Bass and Treble Controls
- ▶ Additional Amplifier Jack
- ▶ Broad Frequency Range
- ▶ Underwriters Listing

Model AU-35 Amplifier

Model AU-35 Amplifier provides the flexibility of operation and high power desired in many Straight-Line Communication Systems.

One phonograph and three microphone input controls will meet most mixing needs. The excellent range of the separate bass and treble controls satisfies the requirement for frequency range adjustments. With these controls in normal position a broad flat frequency range (50-12,000 cps) is obtained.

Dual channel outputs with master volume controls increase the adaptability of the Model AU-35 Amplifier to sound system re-

quirements. These output channels permit the operation of two groups of reproducers at different volume levels. Quick readjustment of the volume levels is possible by means of the master volume controls to meet changes in volume levels. Each output channel is rated at 25 watts providing ample audio power for many installations.

The sturdy chassis base, careful design, resistor board construction, expert workmanship, and rigid inspection are a few plus items that justify the confidence of sound system engineers in recommending the Model AU-35 Amplifier.

Specifications

Ratings are based on actual production models and every amplifier will meet or exceed these specifications.

Size with Cover: 16" wide, 12" deep, 11" high. Allow 1" front for knobs, 2" back and side for connectors.

Weight: Net 41 lbs., packed for shipment 50 lbs.

Tubes Supplied: 3-6SJ7, 3-6SC7, 2-6N7, 4-6L6G, 2-5U4G.

Power Supply: 105-125 volts, 50-60 cycles.

Power Consumed: 250 watts maximum at 117 volts.

Inputs: Three microphone, one phonograph, all high impedance.

Input Controls: Three microphone, one phonograph.

Bass Control: Maximum attenuation approximately 9 db at 50 cycles.

Treble Control: Maximum attenuation approximately 16 db at 10,000 cycles.

Output Controls: Two master volume controls.

Power Gain: 118 db from microphone inputs, 90 db from phonograph input. Ratings based on 50,000 ohm input source impedance.

Power Output: 50 watts, 25 watts each output channel with less than 5% total harmonic content, measured at 400 cycles with a supply voltage of 117 volts.

Output Tap Impedances: 4, 8, 15, 250, and 500 ohms.

Noise Level: 50 db below rated output.

Output Regulation: Approximately 5 db variation from full load to no load.

Frequency Response: 50 to 10,000 cycles within +0 db. — 3 db. from 400 cps. value.

Finish: Glacier Gray over copper plate.

Underwriters' Listing: Listed under re-examination service of Underwriters' Laboratories, Inc.



RECORD AMPLIFIER

- ▶ Excellent Wired Music Bridging Amplifier
- ▶ Maximum Results From Each Type of Recording
- ▶ Low Level Bass Compensated Volume Control
- ▶ Separate Gain Control
- ▶ Bass Boost Control



- ▶ Treble Boost and Attenuation Control
- ▶ Fidelity Switch
- ▶ Equalized Phonograph Input Jack
- ▶ Unequalized Input Jack
- ▶ Broad Frequency Response
- ▶ Ten Watt Output

Model AR-37 Record Amplifier

Model AR-37 Amplifier was designed to satisfy the demand for a high quality record amplifier. When associated with a record player and reproducer of equally high quality, excellent results can be obtained.

The wide variation in recordings, makes more than the usual number of amplifier controls necessary to secure maximum results.

A bass compensated volume control circuit together with separate gain, bass boost, and treble controls, plus a scratch filter switch and two input jacks, one of which incorporates an input equalization network for crystal pick-up cartridges,

goes far toward achieving the ultimate in a record amplifier.

The design of the Model AR-37 Amplifier lends itself to other high fidelity applications. It is especially useful as a bridging amplifier in wired music installations.

When a higher than 8 ohm speaker line is needed with this amplifier, Stromberg-Carlson Line Transformers are available for matching purposes. Model TR-40 (see Page 21) is one economical line transformer to use. Connect the 6-8 ohm secondary to the amplifier terminals and using the 400 ohm tap on the primary will supply a nominal 400-500 ohm speaker line.

SPECIFICATIONS

Ratings are based on actual production models and every amplifier will meet or exceed these specifications.

Size: Width 10", depth 6", height 6 1/4". Allow 1" front for knobs and 1" rear for connections.

Weight: Net 12 1/2 lbs., packed for shipment 15 lbs.

Tubes Supplied: 2-6SN7GT, 2-6F6G, 1-5Y3G.

Power Supply: 105-125 volts, 50-60 cycles.

Power Consumed: 85 Watts at 117 volts.

Inputs: Jack marked "Phono" is a 5 megohm impedance input providing equalization for crystal phonograph pickups. Jack marked "input" provides a 250,000 ohm impedance input without equalization.

Controls: Gain, volume, treble, bass, fidelity.

Power Gain: Phono jack provides 56 db. gain at 400 cps. which is equivalent to an input sensitivity of 1.83 volts for rated output. Input jack provides 78 db. gain at 400 cps. which is equivalent to an input sensitivity of 0.15 volts for rated output. These gain measurements are based on an input source impedance of 50,000 ohms.

Power Output: 10 Watts with less than 5 % total harmonic content, measured at 400 cps. with a supply voltage of 117 volts.

Output Impedance: 8 ohms.

Noise Level: At least 50 db. below rated output at any setting of the volume, tone and fidelity controls.

Frequency Response: With volume control—maximum, treble—normal, bass—minimum, fidelity—high, and using "input" jack, frequency response will vary less than + 0 db. — 3 db. from 100 to 15,000 cps. The use of bass boost extends the low-frequency response to 35 cps. within —3 db. of the 400 cps. value. Using "phono" jack, frequency response is equalized for phonograph crystal pickup. Approximately 15 db. of equalization is provided from turn-over point of 250 cps.

Bass Control: Provides continuously variable bass boost up to a maximum of 11 db. at 90 cps.

Treble Control: Provides continuously variable control of the high frequencies up to a maximum of 12 db. boost and 18 db. attenuation at 10,000 cps.

Fidelity Control: In "normal" position a low-pass filter is inserted providing a sharp cut-off starting at 4000 cps. and an attenuation of approximately 20 db. at 7500 cps. In "high" position this filter is shorted out.

Output Regulation: Less than 7 db. variation from full output load to no load.

Finish: Glacier Gray over copper plate.

Underwriters' Listing: Listed under re-examination service of Underwriters' Laboratories, Inc.

MOBILE AMPLIFIERS



Model AM-43C Amplifier

This amplifier has been carefully designed to provide good performance from a six volt battery or a 105-125 volt 60 cycle power source.

The phonograph pickup arm is delicately counterbalanced permitting the arm to track on recordings even in a nearly vertical position. The pickup head tilts back for quick and easy changing of the needle.

Two microphone input controls, plus phonograph and separate bass and treble controls provide the flexibility of operation so important in this type of amplifier.

Model AM-48 or AM-49 Amplifier

Here is a compact, ruggedly constructed Mobile amplifier having six watts of audio power. Both Models have one microphone and one phonograph input (high impedance). The AM-48 is designed to operate from a six volt storage battery, while the AM-49 operates from a twelve volt battery. A special mounting bracket supplied with the amplifier can be permanently mounted in a car and the amplifier quickly and firmly secured to the bracket by the locking type clips.

When Model MD-33C microphone or a microphone having the proper switch is used with these amplifiers, the switch can control the standby and operating conditions of the amplifiers.

SPECIFICATIONS

MODEL AM-43C

Overall Size: 14½" wide, 12" deep, 12" high. Allow 1" front for knobs, 2" side and 3" back for connectors.

Weight: Net 35 lbs., packed for shipment 45 lbs.

Tubes Supplied: 1-6SJ7, 2-6SC7, 1-6N7, 2-6L6G, 1-1006.

Inputs: Two microphones, one phonograph, all high-impedance.

Controls: Two microphones, one phonograph, treble and bass attenuators, off-on switch, standby switch.

Power Supply: 105-125 volts, 60 cycles, 120 watts or 6 volts dc 20 amperes, 3.5 amperes in standby position.

Power Output: 25 watts, less than 5% harmonic content.

Power Gain: 114 db from microphone inputs; based on 50,000 ohm input source. Phonograph input gain ample for pickup supplied.

Top Cover: 78 rpm self-starting motor; turntable 9" diameter; pickup, crystal cartridge.

Output Impedance Taps: 4, 8, 15, 250, and 500 ohms.

Frequency Response: 50 to 10,000 cycles within +0 db - 3 db.

Finish: Glacier gray over copper plate.

Underwriter's Listing: Listed under re-examination service of Underwriter's Laboratories, Inc.

MODELS AM-48 AND AM-49

Overall Size: 4½" wide, 5½" deep, 7¼" high. Allow space for microphone, phonograph, speaker and battery connections.

Weight: Net 7 lbs.

Tubes Supplied: 1-6AV6, 1-12AX7, 2-6AQ5, 1-6X4.

Inputs: One microphone, one phonograph, both high impedance.

Controls: One combined volume and power switch.

Power Supply: Model AM-48, 6 volts dc
Model AM-49, 12 volts dc

Gain: 100 db from microphone input based on 50,000 ohm input source. 64 db from phonograph input based on 50,000 ohm input source.

Output Impedance Taps: 4, 8, 16 ohms

Frequency Response: 100 to 10,000 cps within +0 db - 2 db.

Standby Feature: Wired to terminals 3 and 4 of microphone receptacle. Connect with jumper if switch in microphone is not used for control.

Mounting Bracket: Supplied.

Finish: Maroon.

Underwriter's Listing: Not required or provided by Underwriters for equipment of this type.



PRE-AMPLIFIERS



Model AV-38 Pre-Amplifier



Model AV-39 Pre-Amplifier

Models AV-38 and AV-39 Pre-Amplifiers

- ▶ Separate Bass Controls for Microphone and Phonograph
- ▶ A. C. Power Supply Built-in
- ▶ Monitor Headphone Jack
- ▶ Combines Functions of Pre-Amplifier and Line Amplifier

Models AV-38 and AV-39 Pre-Amplifiers are multi-purpose line or voltage amplifiers especially designed for sound system installations. These pre-amplifiers are ideal for remote program pick-up. Their gain is adequate to amplify a microphone signal to as much as 18 V. U. across a telephone line.

Model AV-38 Pre-Amplifier is equipped with an output level meter and three low-impedance microphone input transformers. Model AV-39 Pre-Amplifier is identical except the meter and input transformers are omitted. A meter kit is available that

can be installed in the Model AV-39 without the necessity of drilling any holes. TM-2 Input Transformers can also be added when a combination of low and high-impedance microphone inputs are desired.

Many uses will be found for these pre-amplifiers. They will be used to drive power amplifiers in large systems and also used for remote program pick-up amplifiers in school auditoriums, hotels, banquet halls, stadiums, sports arenas, and churches. They will be connected to the main system by a telephone line.

SPECIFICATIONS

Ratings are based on actual production models and every amplifier will meet or exceed these specifications.

Size with Cover: 13½" wide, 11" deep, 10½" high. Includes allowance for knobs.

Weight: Net 18 lbs., packed for shipment 22 lbs.

Tubes Supplied: 6—6SC7, 1—6N7, 1—6X5GT/G.

Power Supply: 105-125 volts, 50-60 cycles, 40 watts at 117 volts.

Inputs: Three microphone, AV-38 low-impedance (30-50 ohms), AV-39 high-impedance. One phonograph with low-gain (equalized for crystal pickup) high-gain (.25 megohm not equalized) connections.

Controls: Three microphone, one phonograph, one bass boost for phonograph only, one microphone bass attenuator, one treble attenuator, on-off power switch; AV-38 only, meter range switch.

Output Level Meter: Model AV-38 only, calibrated — 20 to + 3 db. 0 db equals 1.945 volts rms. Meter range switch reduces meter sensitivity 10 db.

Power Gain, Microphones: AV-38, 86 db at 400 cycles, 38 ohm input source impedance. AV-39, 89 db at 400 cycles, based on 50,000 ohm input

source impedance. Phonograph: high-gain connection 44 db at 400 cycles, based on 600 ohm input source impedance or 62 db based on 50,000 ohm source impedance. Low-gain connection 42 db based on 50,000 ohm source impedance.

Power Output: +18dbm (db above 1 milliwatt).

Output Impedance: 600 ohms, center-tapped at 150 ohms.

Frequency Response: 60 to 12,000 cps within + 0 db — 3 db.

Tone Controls: Treble control provides up to 34 db attenuation at 10,000 cps on phonograph and up to 17 db attenuation on microphone. Microphone bass control provides up to 17 db attenuation at 50 cps. Phonograph bass control provides up to 12 db boost at 90 cps.

Hum Level: 50 db below rated output.

Output Regulation: Approximately 6 db from full output load to no load.

Finish: Glacier Gray over copper plate.

Underwriters' Listing: Listed under re-examination service by Underwriters' Laboratories, Inc.

PRE-AMPLIFIERS



The use of small pre-amplifiers are required in the assembly of many different sound systems.

MODEL AV-44 PRE-AMPLIFIER

The Model AV-44 Pre-Amplifier is designed primarily for use with a Stromberg-Carlson Radio Tuner to raise the level of a Stromberg-Carlson 30 ohm microphone to drive the radio tuner through the phonograph input connections. Power to operate it can be obtained from connections in the radio chassis or from a PA-1 Power Supply.

Specifications

Size: 7½" deep, 3¼" wide, 3¾" high.
Weight: 1½ lbs.
Tubes Supplied: 1—6SJ7.
Input: 30 ohms.
Output Voltage: .1 volt, less than ¼ of 1% distortion measured at 400 cps.
Output Impedance: 50,000 ohms.
Power Gain: 24.9 db based on 30 ohm input source and 50,000 ohm output impedance.
Noise Level: 50 db below rated output.
Frequency Response: 50 db to 10,000 cps within +0 db. — 3 db.
Finish: Cadmium.

MODEL AV-45 PRE-AMPLIFIER

Model AV-45 Pre-Amplifier provides a means of mixing and feeding a number of 30 ohm microphones into a high impedance microphone input of any Stromberg-Carlson Universal Amplifier. This pre-amplifier requires Model PA-1 as its power source.

Specifications

Size: 12½" deep, 3¼" wide, 3¾" high.
Weight: 2 lbs.
Tubes Supplied: 2—6SJ7.
Input: 30 ohms.
Output Voltage: .1 volt, less than 1% distortion measured at 400 cps.
Output Impedance: 10,000 ohms.
Power Gain: 67 db based on 30 ohm input source and 10,000 ohm output impedance.
Noise Level: 50 db below rated output.
Frequency Response: 50 to 12,000 cps with +0 db. — 1 db.
Finish: Cadmium.

MODEL AV-46 PRE-AMPLIFIER

The Model AV-46 provides a means of controlling and mixing the output of a high impedance phonograph, or transcription player in a system. It is powered by the Model PA-1 Power Supply.

Specifications

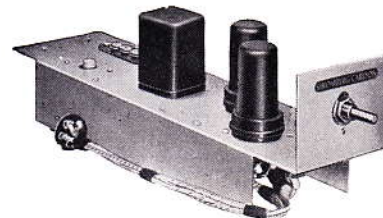
Size: 12½" deep, 3¼" wide, 3¾" high.
Weight: 2 lbs.
Tubes Supplied: 2—6SJ7.
Input: 50,000 ohms.
Output Voltage: .15 volts, less than 1% distortion measured at 1000 cps.
Output Impedance: 10,000 ohms.
Power Gain: 6 db at 1000 cps. based on 50,000 ohm input source and 10,000 ohm output impedance.
Noise Level: 50 db below rated output.
Frequency Response: Equalized for use with light-weight crystal pick-up cartridge to provide the conjugate of the recording response curve in general use for phonograph records and lateral transcriptions.
Finish: Cadmium.

MODEL PA-1

Model PA-1 is a conventional power supply for Models AV-45 and AV-46 Pre-Amplifiers. It can be used with as many as six pre-amplifiers.



Model AV-44



Model AV-45



Model AV-46



Model PA-1



POWER AMPLIFIERS



No. AP-25 Power Amplifier equipped with AC-25 Cover

Specifications

Size: 16" wide, 12 1/4" deep, 8 1/4" high.
Weight: Net 35 lbs., packed for shipment 44 lbs.
Tubes Required: 2-6SJ7, 4-6L6G, 2-5U4G.
Inputs: 16,500 ohms and 4,250 ohms.
Controls: One volume control.
Power Supply: 105-125 volts, 50-60 cycles, 250 watts.
Power Output: 50 watts less than 7 1/2% or 45 watts less than 5% harmonic content.
Power Gain: 54 db from 10,000 ohm input source or 45 db from 500 ohm input source into 16,500 ohm input connection. Will deliver full rated output from 1.73 volts across 16,500 ohm input connection or .87 volts across 4,125 ohm input connection.
Output Impedance Taps: 4, 8, 30, 60, 125, 250, and 500 ohms.
Frequency Response: 75 to 10,000 cps within +0 db. -3 db.
Finish: Slate Gray.

Accessories

Top Cover: AC-25

Model AP-25 Power Amplifier

- Bridging Transformer
- Multi-tapped Output Transformer
- Potted Choke

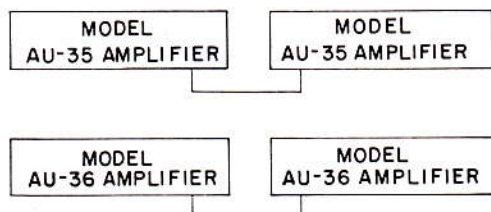
The bridging transformer of this amplifier is provided with two input connections. The 16,500 ohm (full primary) impedance of the transformer or the 4,125 ohm (half primary) can be used, depending on the gain required for full output.

A terminal board with screw type terminals provides all the necessary input and output connections including terminals for a plate supply relay, if incorporated in the amplifier by an installing engineer. In many systems the plate supply relay is not only included to reduce current consumption and prolong tube life, but also to control the reproducer circuit connected to the amplifier output.

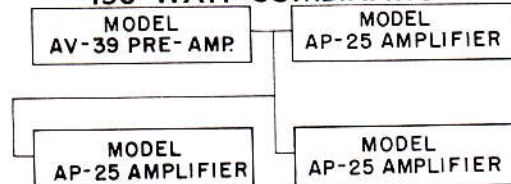
Model AP-25 Power Amplifiers are designed to be driven by a Stromberg-Carlson Pre-Amplifier, or a telephone line. They can also be driven by a universal amplifier such as Model AU-29. Information concerning the proper method for using a universal amplifier to drive one or more power amplifiers can be obtained from the Sound Equipment Division or from your local Stromberg-Carlson Sound Distributor.

AMPLIFIER COMBINATIONS

100 WATT COMBINATION



150 WATT COMBINATION



100 WATT COMBINATIONS

Two Model AU-35 Universal Amplifiers provide six microphone and two phonograph inputs. Output is 100 watts divided into four 25 watt channels, each channel with separate volume control.

Two Model AU-36 Universal Amplifiers provide two microphone and two phonograph inputs. Output is 100 watts in two 50 watt channels.

150 WATT COMBINATION

Model AV-39 Pre-Amplifier and three Model AP-25 Power Amplifiers provide three microphone and one phonograph inputs. Output is 150 watts divided into three 50 watt channels, each channel with separate volume control.

Higher Power Combinations

When more audio power is required, it can be supplied in steps of 50 watts each by using Model AP-25 Amplifiers and either a Model AV-38 or AV-39 Pre-amplifier.

It is also possible to use a Stromberg-Carlson universal amplifier as the driver amplifier and an almost unlimited quantity of Model AP-25 Power Amplifiers.

Universal Amplifiers can also be used as power amplifiers where less than 50 watts is required. Consult the Sound Equipment Division for the proper networks when using a universal amplifier as either a driver or power amplifier.

There is Nothing Finer Than a Stromberg-Carlson



Model PR-1 Transcription Player

- ▶ 12" Professional Type Curved Arm
- ▶ Heavy-Duty Motor
- ▶ Quiet-Talk Crystal Cartridge

The Model PR-1 Portable Transcription Player plays lateral recordings and transcriptions up to 16" in diameter at 33 1/3 or 78 rpm.

The pickup is a low-pressure professional type curved arm to provide moderate off-set for low tracking error and balanced side-wall pressure in the record groove. The "Quiet-talk" crystal cartridge uses a precious-metal-tipped stylus.

The oversize self-lubricating bearings of the motor assure absolute uniformity of speed. It is governor-controlled, permitting a range five per cent above and below the rated speed by adjusting the regulator lever.

Inside the carrying case is a pocket for storing the power and output cords supplied. Four rubber bumpers are on the bottom of the case (operating position) and four metal gliders on the end opposite the sturdy suitcase type handle (carrying position).



Model PR-1 Transcription Player

Brief Specifications

Size with Cover: 21 1/4" wide, 18 1/4" deep, 7 3/8" high.
Weight: 30 lbs.
Motor: Heavy-duty induction type. Operates from 105-125 volt, 50-60 cycle current, 25 watts.
Pickup: 12" curved arm, 1 1/4 oz. quiet-talk crystal cartridge, semi-permanent replaceable stylus.
Output Voltage: .85 volts average at 1,000 cps across .5 megohm load using Audiotone test record.
Cords Supplied: 5 foot power and output cables.
Turntable Size: 12" in diameter, plays 16" recordings.
Finish: Durable Gray Fabrikoid.

Model PR-3 Record Playing Top Cover

- ▶ Designed for Model AU-34 Amplifier
- ▶ Self-Starting Motor
- ▶ Curved Pickup Arm

Model PR-3 is a record playing top cover for Model AU-34 Universal Amplifier. When installed on the amplifier it provides a record playing amplifier having a twenty-five watt output and one high impedance microphone input.

The pickup is a curved, low-pressure arm with crystal quiet-talk cartridge for use on lateral recordings up to 12" in diameter.



Model PR-3 Top Cover

Model PR-4 Record Playing Top Cover

- ▶ Low-Pressure Arm
- ▶ Quiet-Talk Crystal
- ▶ Designed for Model AU-36 Amplifier

When fifty watts of audio power is desired in a record player amplifier, the Model PR-4 Top Cover and Model AU-36 Amplifier should be used.

Model PR-4 Record Playing Top Cover employs the same rugged design and quality equipment as the Model PR-3 except it is made to fit the Model AU-36 Amplifier.

Many sound equipment operators prefer a record player on an amplifier to a separate phonograph. Model PR-3 or PR-4 will satisfy the demand for this type of equipment in dance halls, skating rinks, drill fields, carnivals or any location where a 105-125 volt 60 cycle power source is available.



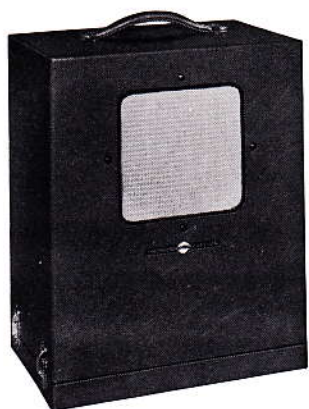
Model PR-4 Top Cover

Brief Specifications

Size: Height of AU-34 Amplifier with PR-3 Cover, 9".
Weight: PR-3 only, 7 1/2 lbs., packaged 10 lbs.
Size: Height of AU-36 Amplifier with PR-4 Cover, 12".
Weight: PR-4 only, 8 lbs., packaged 11 lbs.
Motor: Self-starting induction type. Operates from 105-125 volts, 60 cycle current.
Pickup: 7 3/8" curved arm, 1 1/4 oz. quiet-talk crystal cartridge, semi-permanent replaceable stylus.
Output Voltage: .85 volts average at 1,000 cps.
Turntable: 9", plays 12" records.
Cords Supplied: Output cord to connect to amplifier phonograph input. 5 ft. power cord.
Finish: Glacier Gray to match amplifier. Turntable and pickup, Brown.



PORTABLES



Model PS-29 Portable

Brief Specifications

Size: 17½" high, 13¾" wide, 9¾" deep.
Weight Less Amplifier: Net 11½ lbs., packed for shipment 15¼ lbs.
Amplifier: Model AU-29 Amplifier.
Reproducer: 8" permanent magnet cone reproducer, Model RC-23.
Speaker Cord: 25 ft. super service cord with plug attached.
Finish: Durable Gray Fabrikoid.
Underwriters' Listing: Listed under re-examination service by Underwriters' Laboratories, Inc.

Accessories

Amplifier Top Cover: AC-29

Model PS-29 Portable

► Easily Carried

► Attractive Appearance

► High Quality Reproduction

Model PS-29 Portable fills many portable system requirements where one reproducer is adequate for sound coverage.

Industrial and commercial houses will use it for group personnel training. Educational, institutional and religious organizations will find it invaluable for seminars, lectures and entertainment purposes. Hotels will find it profitable to provide it for group meetings. The applications filled by the Model PS-29 Portable for demonstrations, auctions, side-show ballyhoo, bingo games and similar requirements are well-known.

Under brief specifications will be found a description of the equipment comprising a Model PS-29 Portable.

Model PS-32 Portable

► Compact ► Two 8" Reproducers

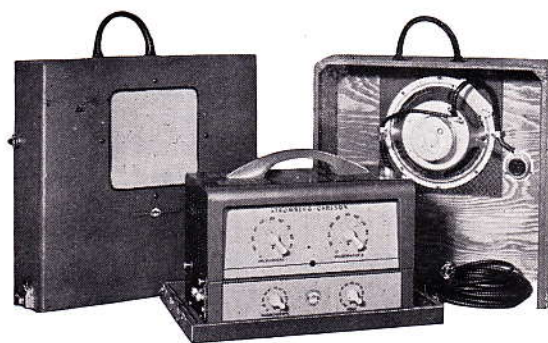
► Rugged Construction

Dance bands, business men's clubs, lecturers, hotels, churches, schools, and many other organizations requiring a rugged, dependable, portable public address system will select Model PS-32 Portable.

This portable system is equipped with the Model AU-32 Amplifier that permits the mixing or fading of two microphones and one phonograph. The two rugged reproducer cases provide an excellent baffle for the heavy duty permanent magnet speakers. Each reproducer is connected to a 25 foot super-service cord with plug attached. One reproducer case contains a receptacle into which the other cord can be plugged for cascade connection or both reproducers can be connected at the amplifier.

The fifteen watts of audio power from the Model AU-32 Amplifier provides sufficient power to cover up to approximately 350,000 cu. ft. of area where the noise level is low.

Model PS-32 Portable is a fine choice for amplifying and reproducing both speech and music.



Model PS-32 Portable

Brief Specifications

Size: 17½" high, 16¾" wide, 11¾" deep.
Weight Less Amplifier: Net 19½ lbs., packed for shipment, 24¼ lbs.
Amplifier: Model AU-32 Amplifier.
Reproducer: Two 8" permanent magnet cone reproducers, Model RC-25.
Speaker Cords: 25 ft. super service, plug attached.
Finish: Durable Gray Fabrikoid.
Underwriters' Listing: Listed under re-examination service by Underwriters' Laboratories, Inc.



Model PS-37 Portable

Model PS-37 Portable fulfills the needs for a quality portable system to reproduce records. The system consists of Model AR-37 Record Amplifier with its variety of controls to obtain the ultimate from recordings, and the PC-29 Portable Case Assembly of the PS-29 Portable System.

For greater detail concerning the Model AR-37 Record Amplifier, see Page 6 of this Catalog.

The PR-1 Transcription Player is suggested as the portable record player for use with the PS-37 Portable. Here are two matched portable units for schools and others, who desire something finer in portable form for record reproduction.

Model PR-1 Transcription Player is described on Page 13.



Model PS-37 Portable

Brief Specifications

Size: 17½" high, 13¾" wide, 9¾" deep.
Weight Less Amplifier: Net 11½ lbs.
Amplifier: Model AR-37 Amplifier.
Reproducer: 8" permanent magnet cone reproducer, Model RC-23.
Speaker Cord: 25 ft. super service cord with plug attached.
Finish: Durable Gray Fabrikoid.
Underwriters' Listing: Listed under re-examination service of Underwriters' Laboratories, Inc.

Model PS-34 Portable

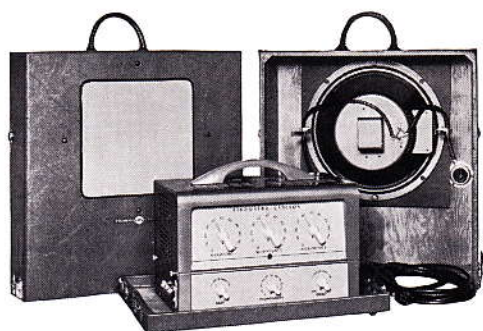
The Model PS-34 Portable consists of the PC-33 Portable Case Assembly of the PS-33 System and Model AU-34 Amplifier.

When one microphone input is sufficient, the PS-34 Portable makes a lower priced twenty-five watt system.

Model PS-42 Portable

Where cost is a determining factor, one microphone input sufficient and fifteen watts of audio power satisfactory, the Model PS-42 should be recommended.

This system consists of the AU-42 Amplifier and PC-32 Portable Case Assembly of the PS-32 Portable System.



Model PS-33 Portable

Brief Specifications

Size: 20¼" high, 17¾" wide, 13¾" deep.
Weight Less Amplifier: 24 lbs. net, 30 lbs. packed for shipment.
Amplifier: Model AU-33 Amplifier.
Reproducers: Two 12" permanent magnet speakers, Model RC-55.
Speaker Cords: 25 ft. super service with plug attached.
Finish: Durable Gray Fabrikoid.
Underwriters' Listing: Listed under re-examination service of Underwriters' Laboratories, Inc.

Model PS-33 Portable

- ▶ Two 12" Reproducers ▶ 25 Watt Output
- ▶ Cascade Connector
- ▶ Super Service Reproducer Cords

The Model PS-33 Portable incorporates the features desired by the discriminating sound engineer.

Fidelity of reproduction from voice or music, at high or low volume, together with the three microphone inputs and flexibility of controls provided by Model AU-33 Amplifier increases the popularity of this portable.

The two 12" heavy duty permanent magnet dynamic reproducers in their baffles provide large area coverage. The 25 foot super service cords are fitted with plugs to connect directly into the amplifier or in cascade. When connected in cascade the second reproducer case can be located fifty feet from the amplifier.

Wherever a portable system will satisfy the requirements, the Model PS-33 should be considered. Its dependable and satisfactory performance makes friends for the operator.

Performers and lecturers like the Model PS-33 Portable for the natural quality reproduction obtained that faithfully reflects their ability. Traveling dance bands also appreciate its rugged construction and dependable operation.



MICROPHONES



Model
MC-31



Model
MC-32



Model
ML-21



Model
MD-35



Model
MD-22AS

The Stromberg-Carlson line of microphones has been carefully selected to provide suitable models for any sound system requirement. All microphones except Models ML-21, MD-22AS and MD-33C have $\frac{3}{8}$ "-27 standard thread. The output level in the specifications is the open circuit terminal voltage referred to one volt per dyne per square centimeter.

MODEL MC-31—Cardioid

Model MC-31 Cardioid Microphone incorporates a multi-impedance switch, whereby it can be used with amplifiers having low, medium, or high impedance microphone inputs.

The true unidirectional characteristic provides highly satisfactory operation under adverse conditions.

When an off-on switch is required, Model MX-2 is available.

Brief Specifications

Type: Broadcast cardioid.

Impedance: Multi-impedance switch. "L" position, 30-50 ohms; "M" position, 150-250 ohms; "H" position, high impedance (35,000 ohms).

Output Level: "L" position, — 84 db; "M" position, — 77 db; "H" position, — 55 db.

Operation: Balanced line.

Front to Back Ratio: 15 db average.

Cord Supplied: 25 ft. shielded cable with connector attached.

Frequency Response: 40 to 10,000 cps.

Overall Size: 7 $\frac{25}{32}$ " high, 3 $\frac{3}{16}$ " wide, 3 $\frac{9}{16}$ " deep.

Weight: 4 lbs. packaged.

Finish: Chrome.

Accessory

Off-On Switch: Model MX-2.

MODEL MC-32—Cardioid

The wide-range frequency response, excellent unidirectional characteristics, multi-impedance switch, spring-suspended unit and shock-mounting are a few of the features that make the Model MC-32 Cardioid Microphone so popular.

Rugged construction, practical immunity to the effects of moisture, temperature and mechanical vibration are additional features that also appeal to broadcast, recording and sound equipment engineers.

Brief Specifications

Type: Broadcast cardioid.

Impedance: Multi-impedance switch. "L" position, 30-50 ohms; "M" position, 150-250 ohms; "H" position, high impedance (35,000 ohms).

Output Level: "L" position, — 84 db; "M" position, — 77 db; "H" position, — 55 db.

Operation: Balanced line.

Front to Back Ratio: 15 db average.

Cord Supplied: 7 ft. shielded cable.

Frequency Response: 40 to 10,000 cps.

Overall Size: 8 $\frac{7}{8}$ " high, 3 $\frac{3}{16}$ " wide, 3 $\frac{9}{16}$ " deep. Height overall includes isolation fixture.

Weight: 4 $\frac{1}{2}$ lbs. packaged.

Finish: Chrome.

MODEL MD-35—Dynamic

A broadcast high fidelity model having a wide flat frequency response. The small grille diameter makes it essentially omnidirectional for group pickup. It provides equally high performance in studio, pulpit, stage or stadium use.

Brief Specifications

Type: Broadcast dynamic, balanced line.

Impedance: Multi-impedance switch for 50 or 250 ohms.

Output Level: 75 db (250 ohms)
82 db (30-50 ohms)

Frequency Response: 60 to 13,000 cps.

Cord Supplied: 20 feet shielded cable.

Size: 1 $\frac{1}{8}$ " dia., 4 $\frac{1}{2}$ " high, 3 $\frac{1}{2}$ " deep (face vertical).

Weight: 1 $\frac{1}{4}$ lbs. packaged.

Finish: Satin Chrome.

MODEL MD-22AS—Dynamic

A close-talking, noise-cancelling microphone for use in high noise-level areas. Especially suitable for marine, railroad, steel mill, maintenance base, power plant and similar installations.

Brief Specifications

Type: Close talking.

Impedance: 30-50 ohms.

Output Level: — 82 db.

Frequency Response: 100 to 6000 cps.

Cord Attached: 6 feet shielded cable.

Switch: Press-to-talk, controls relay.

Size: 2 $\frac{1}{4}$ " by 2" by 4".

Case: High impact phenolic.

Mounting Bracket: 2 $\frac{1}{4}$ " x 2" x 4".

Weight: $\frac{3}{4}$ lb. packaged.

Finish: Black.

MODEL ML-21—Crystal Lapel

A light weight lapel microphone with moisture-sealed crystal. It is equipped with an alligator clip for securely fastening it to the clothing.

Brief Specifications

Type: Unbalanced Line.

Impedance: High-impedance.

Output Level: — 57 db.

Frequency Response: 40 to 6000 cps.

Cord Attached: 25 ft. flexible shielded cable.

Size: 1 $\frac{1}{8}$ " diameter, 1 $\frac{1}{8}$ " deep including clip.

Weight: Head only 1 $\frac{1}{2}$ oz. head and cord 8 oz. packaged 1 lb.

Finish: Iridescent Gray Chrome.

MICROPHONES



MODEL MD-37 Dynamic

An excellent model to select for public address, educational and similar use where a compact and rugged microphone is desired. The non-directional pickup pattern at low frequencies becomes directional with increase in frequency.

Brief Specifications

Type: Broadcast Dynamic.

Ordering Code: MD-37AS; 30-50 ohms; MD-37CS high impedance (25,000 ohms).

Switch: Sliding contact, shorting type. Accessible for reconnecting as relay control.

Operation: Low-impedance Model (MD-37AS) balanced line. High-impedance Model (MD-37CS) unbalanced line.

Output Level: MD-37AS — 82 db.
MD-37CS — 55 db.

Frequency Response: 40 to 11,000 cps.

Cord Supplied: 20 feet shielded cable with connector attached.

Size: 1 1/8" dia. face; 4 1/2" high, face vertical; 3 1/8" deep, face vertical.

Weight: 2 1/4 lbs. packaged.

Finish: Satin Chrome.

MODEL MD-36

A rugged high quality general purpose microphone that withstands high humidity, temperature extremes, salt air and mechanical shocks.

Brief Specifications

Type: Broadcast dynamic.

Ordering Code: MD-36AS, 30-50 ohms; MD-36CS, high-impedance (25,000 ohms).

Switch: Sliding contact, shorting type. Accessible for reconnecting as relay control.

Operation: Low-impedance Model (MD-37AS) balanced line. High-impedance Model (MD-37CS) unbalanced line.

Output Level: MD-36AS — 82 db.
MD-36CS — 55 db.

Frequency Response: 50 to 8000 cps.

Cord Supplied: 20 feet shielded cable with connector attached.

Size: 2 3/8" deep, 3 1/4" wide, 6 1/4" high.

Weight: 2 1/4 lbs. packaged.

Finish: Satin Chrome.

MODEL MR-34C

A high level, high impedance, controlled reluctance model suitable for voice paging and other uses.

Brief Specifications

Type: Unbalanced Line.

Ordering Code: Model MR-34C.

Output Level: — 52.5 db.

Impedance: 16,000 ohms.

Frequency Response: 100 to 7000 cps.

Cord Supplied: 15 feet shielded cable.

Size: 2 1/2" dia.; 3 1/4" length overall.

Weight: 1 1/2 lbs. packaged.

Finish: Metallic Green and Chrome.

MODEL MD-33C

A rugged dynamic model. Non-locking switch closes separate line for operating relays or similar applications.

Brief Specifications

Type: Balanced line, close talking, dynamic.

Impedance: High impedance (20,000 ohms).

Frequency Response: 300 to 10,000 cps.

Output Level: — 54db.

Cord Attached: 6 ft. 4 conductor, one pair shielded.

Size: 3" wide, 4" high, 2" deep.

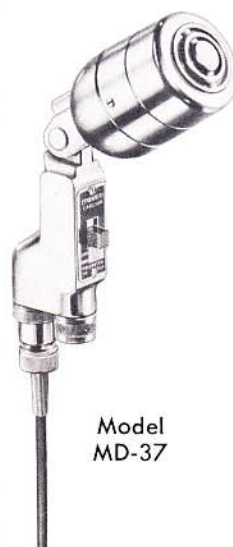
Weight: 2lbs. packaged.

Finish: Gray.

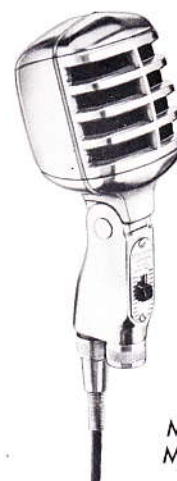
Mounting Bracket: Supplied.

MODEL MX-2 Microphone Switch

An easy action, grip-to-talk, slide-to-lock switch. It is quickly assembled between microphone and stand. Switch is single-pole double-throw, wired for microphone but easily rewired for relay operation.



Model
MD-37



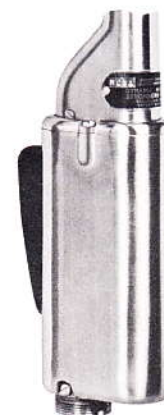
Model
MD-36



Model
MR-34C



Model
MD-33C



Model MX-2
Switch



MICROPHONES



Model
MD-19AS



Model
MD-27



Model MD-28



Model
MD-30



Model
MD-10



Model
ML-11

MODEL MD-19AS — Dynamic

A close-talking, rugged, dynamic model treated against moisture, and the case sealed. It is designed to withstand severe climatic conditions at sea or ashore.

Brief Specifications

Type: Balanced line, close-talking dynamic.
Impedance: 30-50 ohms.
Output Level: —79 db.
Frequency Response: 70 to 7,000 cps.
Switch: Non-locking, make contacts.

Cord Attached: 30 ft. four conductor shielded cable.
Size: 4 7/8" high, 2 3/8" wide, 2 1/2" deep.
Weight: 4 lbs. packaged.
Finish: Gunmetal Gray.

MODEL MD-27 — Dynamic

This microphone is a close-talking dynamic model, obtainable in high or low impedance.

Brief Specifications

Type: Close talking dynamic.
Ordering Code: MD-27A, 30-50 ohms; MD-27AS, 30-50 ohms with shorting switch; MD-27C, high-impedance (45,000 ohms); MD-27CS, high-impedance (45,000 ohms) with shorting switch.

Output Levels: Models MD-27A, MD-27AS, —79 db. Models MD-27C, MD-27CS, —52 db.

Frequency Response: 30 to 8,000 cps.
Operation: Low-impedance models, balanced line. High-impedance models, unbalanced line.
Cord Supplied: 25 ft. shielded cable with connector attached.
Size: 2 7/16" diameter, 3 3/8" deep, 4 3/4" high.
Weight: 3 3/4 lbs. packaged.
Finish: Satin Chrome.

MODEL MD-28 — Dynamic

A hand-type microphone that can also be mounted on a stand.

Brief Specifications

Type: Close-talking dynamic.
Ordering Code: MD-28AS, 30-50 ohms; MD-28CS, high-impedance (45,000 ohms).
Switch: Shorting type.
Output Level: MD-28AS, —79 db, MD-28CS, —50 db.

Frequency Response: 30 to 8,000 cps.
Operation: Low impedance, balanced line; high impedance, unbalanced line.
Cord Supplied: 25 ft. shielded cable with connector attached.
Size: 5 1/2" high, 2 1/2" wide, 2" deep.
Weight: 3 3/4 lbs. packaged.
Finish: Brushed Chrome.

MODEL MD-30 — Dynamic

Here is a dynamic microphone with grip-to-talk stand that is especially suited for voice frequency applications.

The grip-to-talk stand has a sliding clip to hold the switch in the "on" position for long announcements.

Brief Specifications

Type: Unbalanced line, close-talking dynamic.
Ordering Code: MD-30A, 30-50 ohms; MD-30C, high-impedance.
Output Level: Model MD-30A, —76 db; Model MD-30C, —55 db.
Frequency Response: 50 to 7,000 cps.

Stand: 8" high, 5 1/2" base, grip-to-talk switch.
Cord Supplied: 8 ft. shielded cable.
Size: 12 1/2" high overall, 2 3/8" diameter front, 4 3/8" deep.
Weight: 4 1/2 lbs. packaged.
Finish: Glacier Gray with Chrome Grille.

MODEL MD-10 — Dynamic

A versatile model with screw driver rotary switch for operation at 50, 200, 500 ohms or high impedance.

Brief Specifications

Type: Balanced line, broadcast dynamic.
Output Level: 50 ohms —79 db, 200 ohms —76 db, 500 ohms —73 db, high-impedance (45,000 ohms) —52 db.
Frequency Response: 40 to 9,000 cps.

Cord Supplied: 25 ft. shielded cable with connector attached.
Size: 2 3/4" diameter, 3 3/8" deep, 5 9/16" high.
Weight: 3 3/4 lbs. packaged.
Finish: Gunmetal Gray.

MODEL ML-11—Crystal

A light weight lapel microphone using a high quality crystal unit for voice use.

Brief Specifications

Type: Unbalanced line, lapel crystal.
Impedance: High-impedance (45,000 ohms).
Output Level: —48 db.
Frequency Response: 100 to 5,500 cps.

Cord Attached: 25 ft. flexible shielded cable.
Size: 2" diameter.
Weight: Head only 3 oz., head and cord 10 oz.
Finish: Brushed Chrome.

Model MS-40

MS-40 is a small adjustable boom stand for clamping to a telephone switchboard, pulpit, reception desk, shelf or similar object. It is adjustable on both horizontal and vertical planes. The free swivel movements permits it to be moved in or out of operating position as desired.

Specifications

Size: 12½" high.
Adjustments: 17½" on boom, 360 degrees horizontally, 180 degrees vertically.
Finish: Glacier Gray with chrome tubing.
Weight: 2½ lbs. packaged.
Microphone Coupler: ¾" —27 thread.

Model MS-41

The MS-41 Microphone Holder is worn over the shoulders to provide free movement of hands and body for the microphone user. It is an excellent item for demonstrators and lecturers.

Specifications

Size: 14" x 9½" x 9".
Thread: ¾" —27.
Finish: Black.
Weight: 1½ lbs. packaged.

Model MS-26 Stand

A businesslike desk-stand with light finger-tip action switch for relay operation or microphone on-off. Switch is single pole, double throw with locking button.

Specifications

Size: Base 5½" dia.; height 7".
Thread: ¾" —27.
Switch: Single pole, double throw; touch-to-talk, with locking button.
Weight: 1¾ lbs. packaged.

Model MS-32

Model MS-32 Desk Stand is an adjustable model with heavy non-tilting base.

Specifications

Adjustment: 6½" to 10¾".
Thread: ¾" —27.
Finish: Chromium plated tubing, base Chrome.
Weight: 3 lbs. packaged.

Model MS-22

Model MS-22 Banquet Stand provides the necessary microphone mounting when set upon a table.

Specifications

Size: 18" to 32" high, base 8" diameter.
Thread: ¾" —27.
Finish: Chromium plated tubing; base, Glacier Gray.
Weight: 5 lbs.

Model MS-12

Model MS-12 is an adjustable floor stand with positive locking position, heavy base and chromium plated column that looks well with all Stromberg-Carlson Microphones.

Specifications

Size: 34" to 64", base 12" diameter.
Thread: ¾" —27.
Finish: Chromium plated tubing; base, Glacier Gray.
Weight: 15 lbs.

Model MS-13

Model MS-13 is a de luxe adjustable floor stand with automatic positive clutch. It can be raised or lowered with one hand and will not creep or change position without deliberate pressure on the actuating sleeve control.

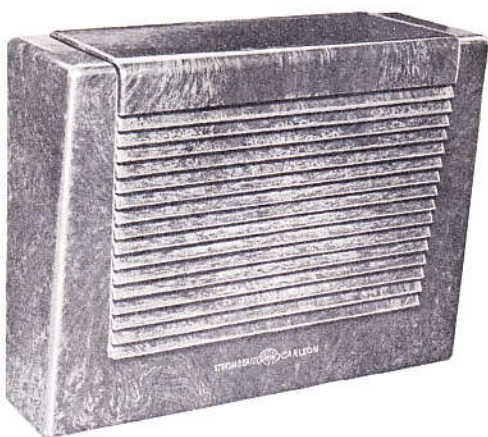
Specifications

Size: 34" to 64", base 12" diameter.
Thread: ¾" —27.
Finish: Chromium plated tubing; base, Glacier Gray.
Weight: 12 lbs.

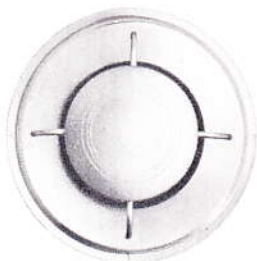




CONE SPEAKER CABINETS



Model RH-28 Cabinet



Model RH-32



Model RH-3



Model RA-5 Mounting Bracket

The quality of a sound system is judged by the reproduction. The speaker cabinets are frequently the only part of the installation seen by the public, your future prospects. The appearance of the S-C speaker cabinet and its baffle effect are very important considerations to the sound engineer.

Stromberg-Carlson has a wide variety of cone speaker cabinets to make the proper selection easier. Correctly designed to provide adequate baffle area for the intended use and sturdily constructed to prevent cavity resonance, they also are finished to present a quality appearance to the eye.

Model RH-28

Quality performance and appearance dominate the Model RH-28 Plastic Cabinet. A tilted model for surface mounting, it will house either a 8" or 5½" cone speaker and line transformer. The size and shape makes an excellent baffle for music reproduction.

Space is provided for incorporating a selector switch and volume control when selected for multi-channel purposes. Mounting is simplified and a definite time saver. Complete instructions are packed with each Model RH-28 Cabinet.

Specifications

Size: 15" wide, 12" high, 6" deep at top and 3½" at bottom.

Material: Mottled Brown. Thermo-setting plastic.

Speaker Required: Models RC-13, RC-14, RC-15, RC-23, RC-25.

Cardboard Baffle: Required with 5½" speaker for music reproduction. Order, Part No. 102603.

Weight: 7½ lbs. packaged.

Model RH-32

False ceiling installations requiring neat appearance and sound diffusion are solved by selecting Model RH-32.

The diffusing cone is fastened to the housing by four heavy metal rods set in hard rubber grommets to prevent metallic resonance. The ½" deep and ½" wide flange make it easy to secure Model RH-32 to the ceiling.

Specifications

Size: 11¾" diameter, 2½" below ceiling, 4" minimum recessed with RC-23 speaker and line transformer.

Ceiling Hole Required: 8½" in diameter.

Speaker Required: Models RC-23 or RC-25.

Finish: Satin Aluminum.

Weight: 1¼ lbs. packaged.

Model RH-3

Model RH-3 is a plastic speaker cabinet designed for intercommunicating and paging systems. It is an excellent table or desk model and also fastens to a wall with a single screw. Speaker required is a Stromberg-Carlson 5½" model with or without small line transformer.

Deliberately designed to attenuate the frequencies outside the useful voice range, the Model RH-3 minimizes noises picked up by the system, thus providing better clarity for speaker-microphone use.

Specifications

Size: 6¼" wide, 6½" deep, 4½" high.

Material: Mottled Brown. Thermo-setting plastic.

Speaker Required: Models RC-13, RC-14 or RC-15.

Weight: 2¼ lbs. packaged.

Model RA-5 Mounting

Model RA-5 Cabinet Mounting has been designed to simplify and speed the installer's work. It is quickly fastened to a wall surface or to an outlet box. The horizontal flange is drilled to fit the mounting holes in Models RH-28, RH-50 and RH-51 Cabinets. Made of heavy gauge zinc-plated steel, the Model RA-5 Mounting is a real time saver.

CONE SPEAKER CABINETS



Model RH-73

This handsome cabinet for housing a Model RF-71 or Model RF-72 Speaker is made from carefully selected, unbleached light-colored mahogany-wood and finished in the natural-wood color.

Size: 32" high, 23 3/8" wide, 16 1/2" deep.

RH-31, RH-61

Sturdily constructed of wood and singularly free from cabinet resonance, these reproducer housings will be selected by sound equipment and wired music installation engineers, for locations where quality of reproduction and appearance are of prime importance.

Brief Specifications

Model RH-31

Approximate Size: 19 1/2" wide, 20" high, 12 3/4" deep.
Angle Tilt: 45 degrees when wall mounted.
Reproducer Required: 8" cone, permanent magnet.
Low Frequency Cut-Off: 80 cps.
Finish: Desert Sand.
Weight: 14 lbs. packaged.

Model RH-61

Approximate Size: 26 1/2" wide, 30" high, 16 1/2" deep.
Angle Tilt: 45 degrees when wall mounted.
Reproducer Required: 12" cone, permanent magnet.
Low Frequency Cut-Off: 70 cps.
Finish: Desert Sand.
Weight: 24 lbs. packaged.

Models RH-27 and RH-52

Two-way sound projection in low or medium noise level areas can be met by using the proper cone type reproducers in these wood cabinets.

Specifications

Model RH-27

Size: 13 1/4" high, 11" wide, 5 1/2" deep.
Mounts: 8" cone reproducer.
Finish: Desert Sand.
Weight: 6 lbs. packaged.

Model RH-52

Size: 17-15/16" high, 14 1/4" wide, 8 1/4" deep.
Mounts: 12" cone reproducer.
Finish: Desert Sand.
Weight: 10 lbs. packaged.

RH-25, RH-26, RH-50, RH-51

These one-way projection housings are made of wood and direct sound downward at a 15 degree angle. Finished in either English Brown or Desert Sand color, presents a pleasing appearance in any location.

Specifications

Models RH-25 and RH-26

Size: 13 1/4" high, 11" wide, 7-3/16" deep top, 3 3/4" deep bottom.
Mounts: 8" cone reproducer.
Finish: RH-25, English Brown, RH-26 Desert Sand.
Weight: 4 1/4 lbs. packaged.

Models RH-50 and RH-51

Size: 17-15/16" high, 14 1/4" wide, 9 3/4" deep top, 5 1/4" deep bottom.
Mounts: 12" cone reproducer.
Finish: RH-50, English Brown, RH-51, Desert Sand.
Weight: 7 1/4 lbs. packaged.

Model RH-29

Model RH-29 is a small, metal two-way projection housing, for an 8" cone reproducer, finished in a Desert Sand color. The mounting brackets permit installation in almost any conceivable location.

Specifications

Size: 9" diameter, 4" deep.
Mounts: 8" cone reproducer.

Finish: Desert Sand.
Weight: 3 3/4 lbs. packaged.

Model RH-2

Model RH-2 is a small wood speaker-cabinet designed to house a 5 1/2" cone speaker.

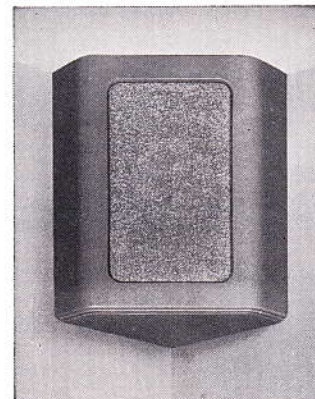
Specifications

Size: 6 7/8" high, 6 1/4" wide, 4 3/4" deep.
Mounts: 5 1/2" cone reproducer.

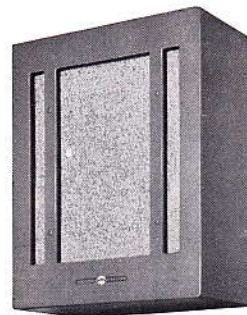
Finish: English Brown.
Weight: 1 lb. packaged.



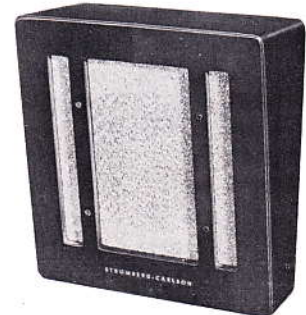
Model RH-73



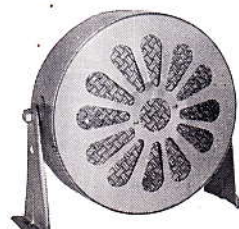
RH-31 or RH-61
Corner Mounted View



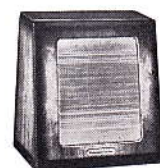
Models RH-27 and
RH-52



Models RH-25, RH-26
RH-50 and RH-51



Model RH-29



Model RH-2

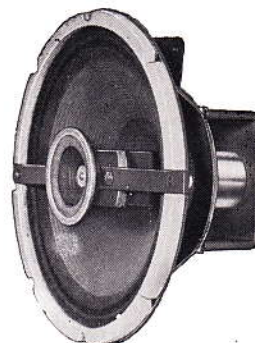


WIDE RANGE SPEAKERS

Model RF-71 Wide Range Speaker

- ▶ 100 Degree Angle of Sound Distribution Over Entire Frequency Range
- ▶ Handles 32 Watts of Program Material
- ▶ Carpinchoe-Leather Suspended Tweeter
- ▶ Co-Axial Units
- ▶ Smooth Frequency Response Over Entire Range
- ▶ Excellent Broadcast Monitor
- ▶ Splendid Auditorium Reproducer

Model RF-71 Wide Range Co-Axial Speaker has been carefully designed to provide a smooth, wide-range response that results in complete clarity and realism. It is ideal for monitoring purposes and for auditorium, music room, church, chapel and home installations where listeners are likely to be located "off" as well as "on" the speaker axis.



Angle View

Model RF-71 Speaker

Brief Specifications

Size: Diameter 12 1/4", depth 7 1/2".
Weight: 12 lbs., packed for shipment 15 lbs.
Angle of Coverage: 100 degrees in both horizontal and vertical planes.
Magnetic Structure: Low-frequency unit, 20 oz. Alnico-V; high-frequency unit, 12 oz. Alnico-III.
Impedance: 8 ohms over entire frequency range.
Power Handling Capacity: 32 watts of program material.
Frequency Response: 35 to 12,000 cycles.
Finish: Glacier Gray over copper plate. Magnets, cadmium plated.



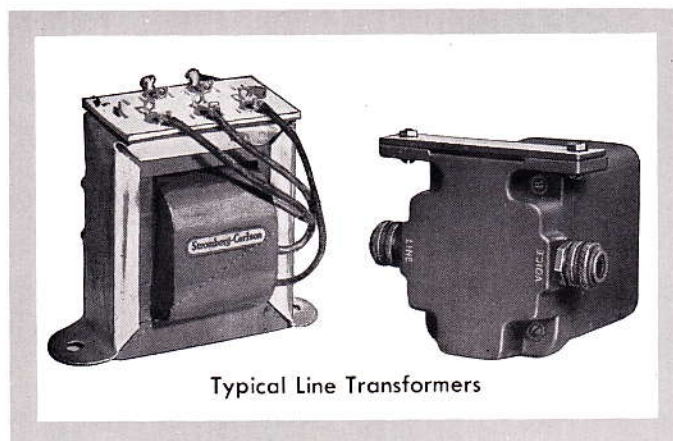
Cone Type Speakers

A more efficient magnetic structure allowing a smaller Alnico V magnet; a closed back and solid front dust-dome for protection against dust and magnetic chips are just a few features of the Stromberg-Carlson cone-type speakers.

Specifications

Model	Size	Voice Coil Impedance	Voice Coil	Frequency Response CPS	*Watts	Weight
RC-13	5 1/2"	8 ohms	7/16"	130-6000	4	1 lb.
RC-14	5 1/2"	3.2 ohms	7/16"	130-6000	4	1 lb.
RC-15	5 1/2"	45 ohms	7/16"	130-6000	4	1 lb.
RC-23	8"	8 ohms	7/16"	90-7000	8	2 lbs.
RC-25	8"	8 ohms	1"	60-7000	12	2 lbs.
RC-55	12"	8 ohms	1"	60-7000	16	4 lbs.
RC-57	12"	8 ohms	1 1/4"	50-9000	20	4 lbs.

*Power handling capacity (watts) of program material.



Typical Line Transformers

Selecting the proper line-to-speaker transformers is an important part of a sound system that sometimes is overlooked by the installing engineer.

The quality of the transformer must be equal to the other components in the system for maximum results.

Good frequency response, minimum audio power loss and a wide variety of primary tap values and power handling capacities make the Stromberg-Carlson line attractive. There is a model for almost any application.

Models TR-11 and TR-12 with single primary tap values provide quality with economy for multi-speaker installations such as schools, hotels, etc. Models TR-51 and TR-52 in weather-proof cases meet the outdoor requirements while Models TR-10, TR-20, TR-30, and TR-40 meet the need for a wide range of primary taps and power handling ability. Model TR-53 will be selected for use with the Model RF-71 Co-axial Speaker.

It is important to remember that 8 ohm secondary transformers can be used with 16 ohm voice coil driver units. When so used the primary tap values are doubled.

SPECIFICATIONS

Model TR-10

Primary: 625, 1250, 2500 and 5000 ohms.
Secondary: 8 ohms.
Frequency Response: Within 3 db from 70 to 10,000 cps.
Power Capacity: 2.5 watts.
Weight: ½ lb. packaged.

Model TR-11

Primary: 2500 ohms.
Secondary: 8 ohms.
Frequency Response: Within 3 db from 70 to 10,000 cps.
Power Capacity: 2.5 watts.
Weight: ½ lb. packaged.

Model TR-12

Primary: 1250 ohms.
Secondary: 8 ohms.
Frequency Response: Within 3 db from 70 to 10,000 cps.
Power Capacity: 2.5 watts.
Weight: ½ lb. packaged.

Model TR-20

Primary: 78, 156, 312, and 625 ohms.
Secondary: 8 ohms.
Frequency Response: Within 3 db from 70 to 10,000 cps.
Power Capacity: 12 watts.
Weight: ¾ lb. packaged.

Model TR-30

Primary: 625, 1250, 2500, 5000 and 10,000 ohms.
Secondary: 8 ohms.
Frequency Response: Within 3 db from 70 to 10,000 cps.
Power Capacity: 12 watts.
Weight: ¾ lb. packaged.

Model TR-40

Primary: 200, 400, 800 and 1600 ohms.
Secondary: 8 ohms.
Frequency Response: Within 3 db from 70 to 10,000 cps.
Power Capacity: 25 watts.
Weight: 1 lb. packaged.

Model TR-51

Case: Weatherproof.
Primary: 500, 1000, 1500 and 2000 ohms.
Secondary: 8 ohms.
Frequency Response: Within 3 db from 50 to 7000 cps.
Power Capacity: 12 watts.
Weight: 2½ lbs. packaged.

Model TR-52

Case: Weatherproof.
Primary: 250, 500, 1000, 1500 and 2000 ohms.
Secondary: 4, 8, and 16 ohms.
Frequency Response: Within 3 db from 80 to 7000 cps.
Power Capacity: 25 watts.
Weight: 5 lbs. packaged.

Model TR-53

Primary: 156, 312 and 500 ohms.
Secondary: 8 ohms.
Frequency Response: Within 3 db from 40 to 12,000 cps.
Power Capacity: 32 watts.
Weight: 2 lbs. packaged.



RE-ENTRANT HORNS AND DRIVERS



Model RD-22

Model RP-40



Model RD-24



Models
RP-27
RP-34
RP-44



Model RD-23



Model RA-3
Two Driver Unit
Connector



Model RA-2
Mounting Bracket

Projectors

The Stromberg-Carlson line of re-entrant projectors and driver units incorporate models of various sizes, distribution angles and low-frequency cut-offs. They provide, with the re-entrant type speakers described on another page, a complete line of reproducers to meet the requirements for this type of speaker.

Specifications

Model RP-27

Size: Bell 15½", length 12½"
Air Column Equivalent: 30"
Cut-off Frequency: 200 cps
Dispersion Angle: 95°
Throat Thread: 1½"—18
Mounting Bracket: U shaped
Weight: 6 lbs.
Finish: Gray

Model RP-44

Size: Bell 25½", length 19"
Air Column Equivalent: 53"
Cut-off Frequency: 120 cps
Dispersion Angle: 75°
Throat Thread: 1½"—18
Mounting Bracket: U shaped
Weight: 15 lbs.
Finish: Gray

Model RP-34

Size: Bell 20", length 16¼"
Air Column Equivalent: 42"
Cut-off Frequency: 150 cps
Dispersion Angle: 85°
Throat Thread: 1½"—18
Mounting Bracket: U shaped
Weight: 10 lbs.
Finish: Gray

Model RP-50

Size: Bell 28¼", height 25¼"
Air Column Equivalent: 60"
Cut-off Frequency: 120 cps
Dispersion Angle: 360°
Throat Thread: 1½"—18
Mounting Bracket: U shaped
Weight: 21 lbs.
Finish: Gray

Model RP-40

Size: Bell 24¾", height 19½"
Air Column Equivalent: 48"
Cut-off Frequency: 150 cps.
Dispersion Angle: 360°.
Throat Thread: 1½"—18.
Mounting Bracket: U shaped.
Weight: 18 lbs.
Finish: Gray.

Driver Units

Driver units have been carefully selected to provide the finest in construction, maximum conversion efficiency and a choice in response. Model RD-22 incorporates a built-in line transformer and 30 watt power handling capacity.

Model RA-3 Connector permits using two driver units with one projector. Model RA-2 Mounting Bracket is attachable to the "U" bracket for mounting a horn on pipe fittings.

Specifications

Model RD-24

Size: 4½" diameter, 3¾" long
Input Capacity: 25 watts
Frequency Range: 90 to 6000 cps
Voice Coil: 16 ohms
Thread: 1½"—18
Weight: 3 lbs.
Finish: Gray

Model RD-23

Size: 4½" diameter, 4¾" long
Input Capacity: 25 watts
Frequency Range: 90 to 10,000 cps
Voice Coil: 16-ohms
Thread: 1½"—18
Weight: 5 lbs.
Finish: Gray

Model RD-22 Driver Unit

Size: 6¾" diameter, 6¾" long.
Input Capacity: 30 watts.
Frequency Range: 80-10,000 cps.
Voice Coil: 16 ohms.
Matching Transformer: Self-contained with translucent cover, primary taps: 165,

250, 500, 1000, and 2000 ohms.
Thread: 1½"—18.
Weight: 6 lbs.
Finish: Gray painted metal front, black plastic case.

Sound Pressure Level Guidance Chart

On center of Horn Axis*, at 1000 cps. Free Field. Input Power 1 Watt. Output in Decibels. (Reference Level .0002 Dynes per sq. cm.)

Model	Distance from Speaker			Model	Distance from Speaker			Model	Distance from Speaker		
	30 ft.	60 ft.	120 ft.		30 ft.	60 ft.	120 ft.		30 ft.	60 ft.	120 ft.
RP-27 with RD-22 Unit	92	86	80	RP-34 or RP-44 with RD-24 Unit	91	85	79	RS-5 or RS-6	77	71	65
RP-27 with RD-23 Unit	91	85	79	RP-40 or RP-50 with RD-22 Unit	83	77	71	RS-14	83	77	71
RP-27 with RD-24 Unit	90	84	78	RP-40 or RP-50 with RD-23 Unit	82	76	70	RS-16 or RS-18	78	72	66
RP-34 or RP-44 with RD-22 Unit	93	87	81	RP-40 or RP-50 with RD-24 Unit	81	75	69	RS-50	87	81	75
RP-34 or RP-44 with RD-23 Unit	92	86	80					RS-51	82	76	70

*360° projector, 30° below horizontal. To increase the sound pressure 3 db, double the input power. To increase it to 6 db, quadruple the input power.

RE-ENTRANT SPEAKERS



Stromberg-Carlson re-entrant reproducers provide a wide selection of models. All models incorporate special construction features and built-in, hermetically sealed driver units that offer protection against moisture, salt spray and vibration. Corrosion resisting finishes are used.

MODELS RS-50 and RS-51 Explosion-Proof Loudspeakers

The requirement for explosion-proof loudspeakers in sound system installations can now be met by either Stromberg-Carlson Models RS-50 or RS-51 Loudspeakers.

Both models have successfully met Underwriters' Laboratories, Inc. requirements for hazardous locations. Model RS-51 is listed by Underwriters for Class I, Group C and D Locations and Class II, Group E, F, and G Locations. Model RS-50 is listed for Class I, Group C and D Locations of National Electric Code.

Class I Locations broadly cover inflammable volatile liquids and gases, while Class II Locations broadly cover explosive dust hazards. See our Sales Engineering Data Sheet for Underwriters definitions.

Specifications

Model RS-50: Meets requirements of Class I, Group C and D.

Model RS-51: Meets requirements of Class I, Group C and D, Class II, Groups E, F, and G.

Both Models

Size: 19" length, 16" high.

Air Column Equivalent: 30".

Input Capacity: 25 watts.

Voice Coil Impedance: 16 ohms.

Frequency Range: 200 to 10,000 cps.

Distribution Angle: 95 degrees.

Cable Entrance: Tapped for standard 1/2" pipe conduit.

Mounting: "U" bracket. Holes provided for 3 bolts.

Weight: 17 lbs.

MODEL RS-18

This complete speaker with special built-in and hermetically sealed driver unit suggests its use in railroad, marine and other high humidity areas.

Specifications

Size: 6 1/4" over-all diameter, 3 1/4" deep.

Air Column Equivalent: 6 1/2".

Input Capacity: 15 watts.

Voice Coil Impedance: 16 ohms.

Distribution Angle: 120 degrees.

Frequency Range: 300 to 6000 cps.

Mounting: Ratchet bracket.

Weight: 5 1/2 lbs.

Finish: Glacier Gray.

MODEL RS-16

Model RS-16 is constructed of heavy castings with weather-proof space for the line transformer. Its use in marine, power plant and tough locations is apparent.

Specifications

Size: 10" high, 5 1/4" deep, 7 1/2" wide.

Air Column Equivalent: 7".

Input Capacity: 15 watts.

Voice Coil Impedance: 16 ohms.

Frequency Range: 300 to 6000 cps.

Distribution Angle: 120 degrees.

Mounting: Housing fastens securely to wall, beam or column.

Weight: 9 lbs.

Finish: Glacier Gray.

MODEL RS-14

Model RS-14 is a small re-entrant speaker for noisy locations as it will handle up to 12 watts of program material.

Specifications

Size: Bell 9", over-all length 9".

Air Column Equivalent: 18".

Input Capacity: 12 watts.

Voice Coil Impedance: 8 ohms.

Frequency Response: 300 to 6,000 cps.

Distribution Angle: 110 degrees.

Mounting: Ratchet bracket.

Weight: 5 lbs.

Finish: Glacier Gray.

Models RS-5 and RS-6*

These small re-entrant speakers with built-in driver units are designed for voice paging purposes. Their use on loading platforms and in corridors, food processing and cold storage plants is suggested.

Specifications

Size: Bell 6", length 7".

Air Column Equivalent: 14".

Input Capacity: 3 watts.

Voice Coil Impedance: RS-5, 8 ohms;

RS-6, 45 ohms

Frequency Range: 400 to 9000 cps.

Mounting: Ratchet bracket.

Weight: 3 1/2 lbs.

Finish: Gray.

* NOTE: 45 ohm voice coil speakers can be used in a highly satisfactory operating system where low cost is of prime importance. Up to eleven 45 ohm voice coil speakers can be connected in parallel to the four ohm output tap of any amplifier. Speaker line transformers are not required.



Model RS-50



Model RS-18



Model RS-16



Model RS-14



Models RS-5, RS-6



"There is nothing finer than a Stromberg-Carlson"