

JBL

means

JAMES B. LANSING SOUND, INC.



signature sound



precision loudspeakers, enclosures

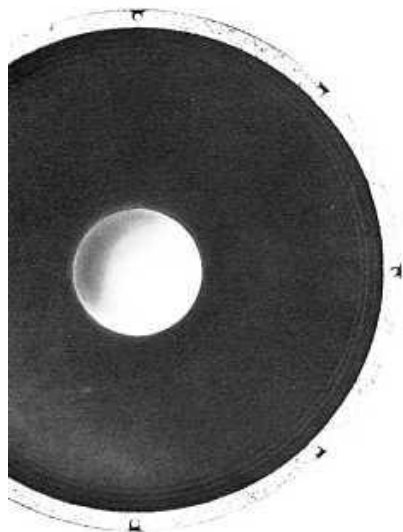
and speaker systems

JAMES B. LANSING SOUND, INC.

LOS ANGELES 39, CALIF.

EXTENDED RANGE

These *JBL Signature* transducers have gained world renown due to their realistic articulation of unmodified tones and timbres. The 4" aluminum voice coil and hydraulically formed, 4" dural center dome stiffen the piston assembly for reproduction of crisp, clean bass... smooth, extended highs free from spurious effects. By using a curvilinear cone it is possible to make a shallow piston assembly which permits a better distribution of highs than a deep cone. *JBL Signature* speakers reproduce verbatim every frequency recorded on the finest transcriptions.



15" D130

Your basic loudspeaker—the first component to buy when you begin—it need never be obsoleted. Excellent alone, your D130 later serves as a low frequency unit in your *JBL Signature* divided system.

Voice coil diameter... 4"
Power input... 25 watts
Impedance... 16 ohms
Free cone resonance... 37 cps.
Outside diameter... 15 1/8"
Depth... 5 1/2"
Field... permanent magnet
Shipping weight... 23 lbs.
USER NET... \$76.00

See Pub. SB 1002

signature sound



SPEAKERS

12" D131

In a class by itself—superlative quality, design, construction, the D131 is the finest 12" speaker made anywhere.

Voice coil diameter... 4"
Power input... 20 watts
Impedance... 16 ohms
Free cone resonance... 39 cps.
Outside diameter... 12 1/8"
Depth... 5"
Field... permanent magnet
Shipping weight... 21 lbs.
USER NET... \$72.00



See Pub. SB1006

12" D123

An Extended Range Speaker of radical new design, the D123 is extremely shallow and compact so that it can be mounted in any wall between studding.

Voice coil diameter... 3"
Power input... 20 watts
Impedance... 16 ohms
Free cone resonance... 40 cps.
Outside diameter... 12 1/8"
Depth... 3 5/8"
Field... permanent magnet
Shipping weight... 12 lbs.
USER NET... \$54.50



See Pub. SB 1001

8" D208 & D216

The only 8-inch speaker made with an edge-wound aluminum ribbon voice coil. This compact unit, designed to the same tolerances and built with the same top-quality materials as the larger *JBL Signature* transducers, cannot be duplicated by mass production techniques. It has become the leader in commercial and industrial applications requiring wide-band reproduction, as well as in space-saving home systems.



See Pub. SB1007

Voice coil diameter... 2"
Power input... 12 watts
Impedance D208... 8 ohms
D216... 16 ohms
Free cone resonance... 55 cps.
Outside diameter... 8 1/4"
Depth... 2 3/8"
Field... permanent magnet
Shipping weight... 6 lbs.
USER NET... \$25.92

LOW FREQUENCY DRIVERS

15" 130A & 130B

Designed for the *JBL Signature* divided systems crossing over at 1200 cps. Perform with maximum efficiency—hence, fidelity—at the bass and lower midrange frequencies.

Voice coil diameter... 4"
Power input... 25 watts
Impedance 130A... 16 ohms
130B... 32 ohms
Free cone resonance... 36 cps.
Outside diameter, 15 1/8"; Depth 5 5/8"
Field... permanent magnet
Shipping weight... 23 lbs.
USER NET... \$72.75



See Pub. SB1005

15" 150-4 & 150-4C

Used exclusively in the finest theatres throughout the world this *JBL Signature* low frequency driver is now available in the HARTFIELD as well as any of the *JBL 500* cps. cross-over divided network systems.

Voice coil... 4"
Power input... 30 watts
Impedance 150-4... 32 ohms
150-4C... 16 ohms
Free cone resonance... 30 cps.
Outside diameter, 15 1/8"; Depth, 6"
Field... permanent magnet
Shipping weight... 25 lbs.
USER NET... \$114.00



JBL DIVIDING NETWORKS



N2500

Crossover... 2500 cps.
Nominal impedance... 16 ohms
Attenuation... 12 db/octave
Attenuation control... variable
Dimensions... 3 1/4 x 3 1/4 x 2 3/8"
Shipping Weight... 3 lbs.
USER NET... \$15.00

See Pub. SB 1003



N1200

Crossover... 1200 cps.
Nominal impedance... 16 ohms
Attenuation... 12 db
Attenuation control... 3 position switch
Dimensions... 4 3/8 x 6 x 6 1/4"
Shipping weight... 9 lbs.
USER NET... \$35.25



N500H

(for use with folded horn enclosures only)
Crossover... 500 cps.
Nominal impedance... 16 ohms
Attenuation... 12 db
Attenuation control... 3 position switch
Dimensions... 4 3/4 x 6 x 6 1/4"
Shipping weight... 10 lbs.
USER NET... \$76.50



N500

Crossover... 500 cps.
Nominal impedance... 16 ohms
Attenuation... 4 db
Attenuation control... strapping bars (1 db steps)
Dimensions... 6 x 8 x 6"
Shipping weight... 16 lbs.
USER NET... \$84.00

E ENCLOSURES

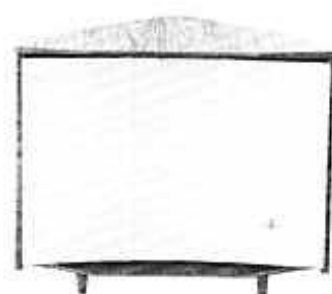
THE HARLAN / C39

Here is the visual delight of modern sculptured styling added to your auditory pleasure. Designed to fit snugly in a corner below the window the Harlan's illusion of small size is due to the designer's treatment of surfaces. The Harlan is *JBL Signature's* most recent and versatile enclosure accepting practically any *JBL Signature* unit or system.

Height . . . 31 1/8" (with legs)
 Width . . . 35 1/2"
 Depth . . . 23 7/8"
 Shipping weight . . . 90 lbs. (empty)

USER NET enclosure only
 contemporary . . . \$132.00
 premium . . . \$144.00

See Pub. SL 603



Speakers and divided system used with this enclosure are shown on back panel of this folder, with complete factory-installed price.



JBL Signature enclosures are monolithic in structure—yet light and airy in external styling. They are precisely tailored to the requirements of *JBL Signature* sound systems.

Like any specialized electric motor, a precision transducer is designed for best performance under certain loading conditions. *JBL Signature* enclosures are specifically designed and are carefully system-tested with *JBL Signature* speakers to provide the unique set of conditions most favorable to the performance of these precision transducers.

← THE HARTSFIELD / C30

Built to house the finest sound system ever made available to lovers of high fidelity, the Hartsfield is an enclosure of new patented design. The complex exponential horn path follows religiously the specifications laid down by the engineer-designer. A serpentine Konstical Lens with wide horizontal and narrow vertical pattern is an integral part of the enclosure.

Height . . . 45 3/4"
 Width . . . 47"
 Depth . . . 24 1/2"
 Shipping weight . . . 199 lbs. (empty)

USER NET enclosure only
 contemporary . . . \$322.50
 premium . . . \$352.50

See Pub. SL 600

Speakers and divided system used with this enclosure are shown on back panel of this folder, with complete factory-installed price.

Enclosure Woods and Finishes

| CONTEMPORARY WOODS | | | PREMIUM WOODS | | |
|--------------------|---------|------|---------------|---------|------|
| Wood | Finish | Code | Wood | Finish | Code |
| Mahogany | Dark | M | Maple | Salem | MS |
| Mahogany | Light | ML | Oak | Light | OL |
| Birch | Natural | NB | Prima Vera | Natural | PN |
| Korina | Blond | K | Walnut | Dark | WD |
| | | | Walnut | Light | WL |

Samples of standard woods and finishes with standard grille cloths can be seen at the showrooms of authorized *JBL* dealers. Ask for AIBUM DA-1, James B. Lansing Sound, Inc.

Samples of special finishes submitted by customers will be matched at factory option only at premium wood cost, plus 10 per cent.

All listed enclosures will be supplied unfinished in any of the contemporary or premium woods at the listed prices for these woods, less 6 per cent.

C34*Bear-loaded Corner Console Horn*

The C34 contains a 6' exponential folded horn that delivers an extra octave of clean, crisp bass.

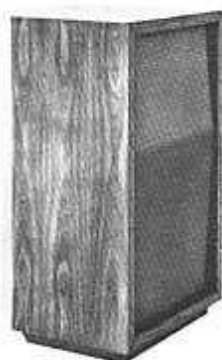
Corner placement is not required. From 150 cps, on down, energy from the back of a 15" speaker radiates through the horn.

Above 150 cps, the speaker acts as a direct radiator.

Height . . . 39 $\frac{1}{2}$ "
Depth . . . 22 $\frac{1}{4}$ "
Width . . . 23 $\frac{3}{4}$ "
Shipping weight . . . 90 lbs. (empty)

USER NET enclosure only
contemporary . . . \$138.00
premium . . . \$150.00

See Pub. CF 701



Speakers and divided system used with this enclosure are shown on back panel of this folder, with complete factory-installed prices.

C35 C37*Console Reflex*

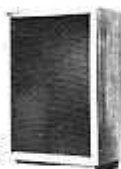
Here are superbly engineered enclosures for *ju.* Signature Sound Systems that are precision made and assembled without compromise.

| | |
|---------------------------------|--------------------|
| C35 | C37 |
| Height . . . 38 $\frac{1}{2}$ " | 30 $\frac{1}{4}$ " |
| Depth . . . 16" | 16" |
| Width . . . 23 $\frac{3}{4}$ " | 36" |
| Shipping weight . . . 69 lbs. | |

USER NET C35 enclosure only
contemporary . . . \$96.00
premium . . . \$105.00

USER NET C37 enclosure only
contemporary . . . \$105.00
premium . . . \$114.00

See Pub. CF 702



C35



C37

Speakers and divided system used with this enclosure are shown on back panel of this folder, with complete factory-installed prices.

C36 C38*Console Reflex*

Here in minimum volume is a reflex enclosure engineered to deliver full range response when used with *ju.* extended range speakers. The model 075 high frequency driver and N2500 divided network may be added to provide a two-way system.

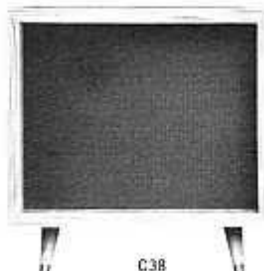
| | |
|---------------------------------------|---------------------|
| C36 | C38 (LOWBOY) |
| Height . . . 29 $\frac{1}{2}$ " | 26" |
| Depth . . . 15 $\frac{7}{8}$ " | 15 $\frac{7}{8}$ " |
| Width . . . 19 $\frac{1}{8}$ " | 23 $\frac{3}{4}$ " |
| Shipping weight . . . 47 lbs. (empty) | |

USER NET enclosure only
contemporary . . . \$57.00
premium . . . \$63.00

See Pub. CF 702



C36



C38

Speakers and divided system used with this enclosure are shown on back panel of this folder, with complete factory-installed prices.

C550*Bearloaded Folded Horn*

Designed originally for theaters, the 550 has a folded exponential horn path 8' long. The horn is coupled to the rear surface of two 15" low frequency units. Above the acoustical crossover point of 175 cps, the speakers act as direct radiators. Not available in birch wood.

Height . . . 50 $\frac{1}{2}$ "
Depth . . . 29 $\frac{3}{4}$ "
Width . . . 35 $\frac{3}{4}$ "
Shipping weight . . . 213 lbs.

USER NET enclosure only
Contemporary . . . \$285.00
Premium . . . \$318.00
Black . . . \$192.00



Speakers and divided system used with this enclosure are shown on back panel of this folder, with complete factory-installed prices.

C31*Frontloaded Corner Horn*

Two fifteen-inch low frequency drivers with large combined piston area, plus precise exponential curves built into the formed dual horn are responsible for extended low end. Energy from the back side of both speakers is fed into carefully designed reflex chambers for additional low end loading.

| | |
|--------------------------------|-------------------------|
| C31 | C31H (horn only) |
| Height . . . 49" | 46" |
| Depth . . . 28" | 25" |
| Width . . . 37 $\frac{1}{2}$ " | 34" |
| Shipping weight 157 lbs. | 40 lbs. |

USER NET C31 enclosure only
contemporary . . . \$249.00
premium . . . \$269.00

USER NET C31H horn only . . . \$75.00

See Pub. CF 700



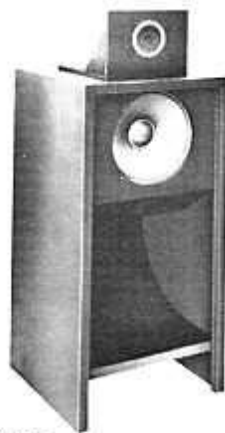
Speakers and divided system used with this enclosure are shown on back panel of this folder, with complete factory-installed prices.

C435*Rearloaded Folded Horn*

Designed for small theaters, the C435 is similar to the C-550 but will house only one low frequency driver with a consequent reduction in cabinet width. The slow taper rate and long horn path result in exceptional bass fundamentals. Furnished in rough theater black only.

Height . . . 48"
(can be reduced to 42" by sawing side legs)
Depth . . . 24"
Width . . . 24"
Horn path . . . 8"
Shipping weight . . . 100 lbs. (empty)

USER NET enclosure only . . . \$84.00



Speakers and divided system used with this enclosure are shown on back panel of this folder, with complete factory-installed prices.

"Every note
a perfect quote"



HIGH FREQUENCY DRIVERS

High frequency drivers which bear the mark JBL . . . are preferred for their exceptional handling of transients, their remarkable presence, their precision construction. Diaphragms are hydraulically formed aluminum. Phasing plugs are machined to micrometric dimensions. The actual magnetic energy across the voice coil gaps is the highest magnitude possible.

075 Ring Radiator

A transducer of unique "Annular Ring" design for reinforcing the performance of extended range speakers from 2500 cps to the limit of audibility. Used with Model N2500 Dividing Network. Impedance, 16 ohms; power input, 20 watts above 2500 cps; baffle hole dia., 3 $\frac{3}{8}$ " ; overall length, 3 $\frac{1}{4}$ " , wt., 6 lbs.

USER NET . . . \$54.50

See Pub. SB-1003



175 DLH Driver-horn lens assembly

This is the first assembly ever placed on the high fidelity market to incorporate a true acoustic lens. The lens consists of 14 separate elements and distributes sound smoothly over a 90° solid angle. Designed for 1200 cycle crossover; used principally in the 050 and 001 Signature Systems. Driver impedance, 16 ohms; power input, 25 watts above 1200 c.p.s.; field, permanent magnet; index of refraction, 1.3; horn throat diameter, 1"; mounting hole diameter, 5 $\frac{7}{8}$ " ; overall length, 11 $\frac{1}{2}$ " ; shipping weight, 12 lbs.

USER NET, 175DLH . . . \$118.50 175 driver alone . . . \$87.00

See Pub. SB1004



375 High frequency driver

Designed and used in the finest premium theater installations internationally, the Signature 375 provides unequalled smooth response above 300 c.p.s. Voice coil and aluminum diaphragm assembly has a diameter of 4". Impedance, 16 ohms; power input, 60 watts (above 300 c.p.s.); field, permanent magnet; flux density, over 20,000 gauss; diameter, 7"; depth, 5 $\frac{3}{8}$ " ; shipping weight, 31 pounds.

USER NET . . . \$186.00

See Pub. B-1



537-509 Horn-lens assembly

The exponential horn in this assembly has a rectangular cross-section. This permits its use with the serpentine Koustical Lens, as used in the Hartsfield. It provides wide horizontal and narrow vertical coverage in order to minimize ceiling and floor reflections. The horn is 12" long, with a 2" round throat matching 375 Driver. 9" x 6" rectangular mouth. Wt., 5 $\frac{1}{2}$ lbs. The lens measures 20" wide x 6 $\frac{3}{4}$ " high x 4 $\frac{1}{2}$ " deep and weighs 4 pounds. Combined length is 16 $\frac{1}{2}$ " ; shipping weight, 17 pounds.

USER NET . . . \$66.00 H5039 Horn Only, weight 9 lbs.

See Pub. B-5

USER NET . . . \$33.00



537-500 Horn-lens assembly

This is a round exponential horn and Koustical Lens assembly for use with the 375 driver. The horn is 12" long, has a throat diameter of 2", and weighs 11 pounds. Unilateral coverage is 70°. This assembly has a dia. of 13 $\frac{1}{2}$ " ; overall length, 15 $\frac{1}{4}$ " ; wt., 22 lbs. Combined length is 17" ; total weight 37 lbs.

USER NET . . . \$87.00

See Pub. B-2






























































**SYSTEMS
AND SINGLE FULL
RANGE SPEAKERS**

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|------|------|------|
| 001 | 002 | 004 | 030 | 050 | 080 | 081 | 083 | 085 | 086 | 087 | D208 D216 | D123 | D131 | D130 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|------|------|------|

Price, system only

| | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 226.50 | 124.00 | 287.50 | 145.50 | 239.25 | 585.00 | 471.00 | 564.00 | 409.50 | 442.50 | 450.00 | 25.92 | 54.50 | 72.00 | 76.00 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|

System components

| | | | | | | | | | | | | | | |
|--|---|---|---|--|---|---|---|---|---|---|---|---|---|---|
|  130A |  D123 |  D123 |  D130 |  130B |  150-4 |  150-4C |  150-4 |  150-4C |  150-4C |  150-4C |  |  |  |  |
|  1750LH |  075 |  D123 |  075 |  130B |  150-4 |  375 |  150-4 |  375 |  375 |  375 |  |  |  |  |
|  N1200 |  N2500 |  D123 |  N2500 |  1750LH |  375 |  537-500 |  375 |  H5039 |  537-509 |  537-509 |  |  |  |  |
| | |  D123 | |  N1200 |  537-500 |  N500 |  537-509 |  N500H |  N500H |  N500 |  |  |  |  |
| | |  075 | | |  N500 | |  N500 | | | | | | | |
| | |  N2500 | | | | | | | | | | | | |

Prices, systems installed in Enclosures

Prices, full-range speakers installed in Enclosures

Price, enclosure only

ENCLOSURES

Contemporary wood

| | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--|--------|--|--|-------|--------|--------|--------|
| C30 | | | | | | | | 732.00 | | | | | | 322.50 |
| C31 | | | | | 548.25 | | | | | | | | | 249.00 |
| C34 | 364.50 | | | 283.50 | | | | | | | | | 214.00 | 138.00 |
| C35 | 322.50 | 220.00 | | 241.50 | 395.25 | | | | | | | 150.50 | 168.00 | 172.00 |
| C37 | 331.50 | 229.00 | | 250.50 | 404.25 | | | | | | | 159.50 | 177.00 | 181.00 |
| C36/38 | | 181.00 | | 202.50 | | | | | | | 82.92 | 111.50 | 129.00 | 133.00 |
| C39 | 358.50 | 256.00 | 419.50 | 277.50 | 431.25 | | | | | | | 186.50 | 204.00 | 208.00 |
| C550 | | | | | 584.25 | 870.00 | | 849.00 | | | | | | 285.00 |

for front loaded horns other than C30

Premium wood

| | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--|--------|--|--|-------|--------|--------|--------|
| C30 | | | | | | | | 762.00 | | | | | | 352.50 |
| C31 | | | | | 568.25 | | | | | | | | | 269.00 |
| C34 | 376.50 | | | 295.50 | | | | | | | | | 226.00 | 150.00 |
| C35 | 331.50 | 229.00 | | 250.50 | 404.25 | | | | | | | 159.50 | 177.00 | 181.00 |
| C37 | 340.50 | 238.00 | | 259.50 | 413.25 | | | | | | | 168.50 | 186.00 | 190.00 |
| C36/38 | | 187.00 | | 208.50 | | | | | | | 88.92 | 117.50 | 135.00 | 139.00 |
| C39 | 370.50 | 268.00 | 431.50 | 289.50 | 443.25 | | | | | | | 198.50 | 216.00 | 220.00 |
| C550 | | | | | 617.25 | 903.00 | | 882.00 | | | | | | 318.00 |

This system

| | | | | | | | | | | | | | | | |
|-------------------|--------|--|--|--------|--------|--|--------|--|--|--------|--|--|--|--------|-------|
| Black finish C435 | 310.50 | | | 229.50 | | | 555.00 | | | 534.00 | | | | 160.00 | 84.00 |
| Unfinished C31H | | | | | 374.25 | | | | | | | | | | 75.00 |

ORDERING ENCLOSURES ONLY

Model numbers preceded by the letter "C" (i. e., C30, C34, etc.) designate empty enclosures in which no speaker components have been installed. Enclosures delivered against orders for these models will have baffle adapters for installation of any appropriate sound system.

Two exceptions to this rule should be noted:

1. A special baffle accommodating JBL Signature 050 System will be installed in Models C35 and C37 only in case the order calls for C35050 or C37050.
2. A special baffle accommodating JBL Signature 004 System will be installed in Model C39 only in case the order calls for C39-4.

ORDERING ENCLOSURES WITH SOUND SYSTEMS

In ordering enclosures with JBL Signature system installed, the enclosure model number is combined with that of the sound system desired. If the sound system is to be installed at the factory, write a "D" in place of the "C" preceding the model number of the enclosure. Thus, a C34 Enclosure with 001 System installed and in Dark Mahog. should be ordered as D34001M.

ORDERING WOOD AND FINISH

To specify wood and finish in ordering, write code letters after the enclosure or system model number. Thus, D34001-WL designates a D34001 System in light-finished walnut. Code letters for woods and finishes are given under Enclosures section, this catalog.