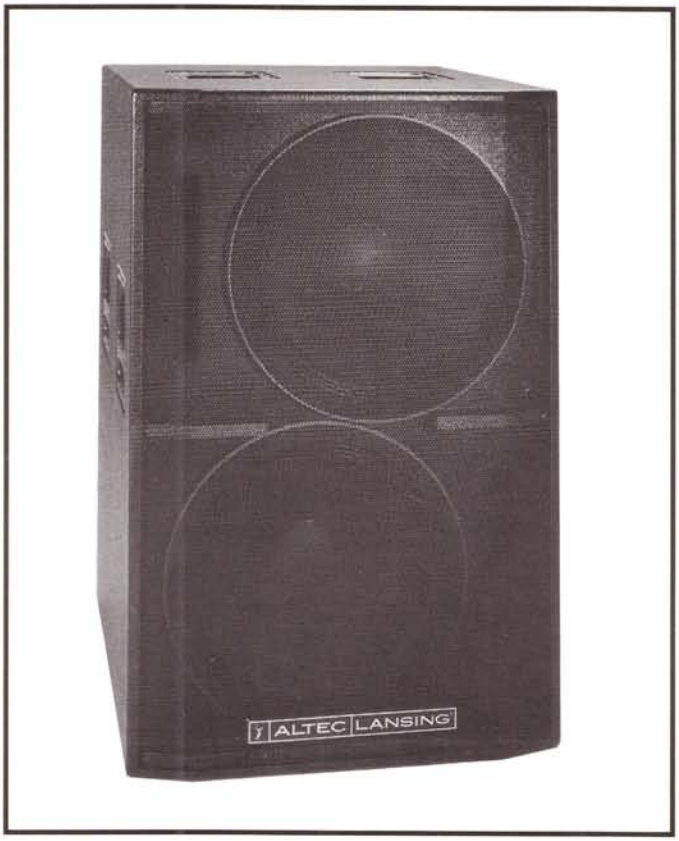
ALTEC LANSING®
DUPLEX TECHNOLOGY SYSTEM

DTS182A
Dual 18" Subwoofer



KEY SYSTEM FEATURES

Vented Bass System
- High Efficiency Output.

High Output Capability
- Maximum Output: 132 dB SPL.

High Sensitivity
- 98 dB SPL.

Extensive Power Handling
- 2400 watts peak.

Durable Cabinet
- Constructed of 14-ply birch plywood and features a metal grille.

Easily Transported
- Inset handles on all sides allow distribution of weight.

DESCRIPTION

The Altec Lansing **DTS182A** subwoofer system is used to accentuate the low frequency performance of the DTS family of loudspeakers. The **DTS182A** provides a supportive low frequency output down to 31 Hz while allowing a full range DTS loudspeaker to be optimized for the mid and high frequency bands.

The **DTS182A** employs two 18.0 inch (45.7 cm) low frequency loudspeakers which offer high efficiency, high power handling and excellent low frequency performance. The enclosure is a vented bass design constructed of 14-ply birch plywood and lined with sound absorbent glass wool. The cabinet is finished with a black texture paint and matching metal grille. Inset handles on the top, bottom, and sides allow for easy transportation.

This subwoofer offers the following specifications: Frequency Response, 31 Hz to 200 Hz; Pressure Sensitivity, 98 dB SPL from 30 Hz to 200 Hz; Power Handling, 2400 watts peak; and a Maximum Output of 132 dB SPL peak.

The **DTS182A** is ideally suited for installations requiring high quality, low frequency reinforcement such as performing arts centers and houses of worship. When matched with a cluster of full range Duplex Technology System loudspeakers, it offers the final element to a superior sound system.

DTS182A SPECIFICATIONS (unprocessed)

System Type:	Vented bass type, low frequency loudspeaker system.
Pressure Sensitivity:	(see note 1) 98 dB SPL (1 watt, 30 Hz to 200 Hz, re: 20 µPa).
Frequency Response:	(see note 2)
Usable:	31 Hz to 200 Hz.
Power Handling:	(see note 3)
(40 Hz to 400 Hz):	2400 watts, peak power. 1200 watts, continuous program. 600 watts, AES method.
Maximum Output:	(see note 4) 132 dB SPL, peak power. 129 dB SPL, continuous program. 126 dB SPL, AES method.
Impedance:	
L.F.:	8.0 ohms minimum (per driver).
Paralleled:	4.0 ohms nominal (system).
Components:	Two 18.0 inch (45.7 cm), low frequency loudspeakers.
Input Terminals:	Large screw terminals, Speakon™ connectors.
Recone Kit:	R3184.
Replacement Grille:	Model RG039208.
Enclosure:	Vented bass type, built of 14-ply birch plywood with appropriate bracing. Lined with glass wool.
Finish:	Black texture paint with black metal grille.
Dimensions:	
Height:	40.0 inches (101.6 centimeters).
Width:	26.7 inches (67.8 centimeters).
Depth:	28.4 inches (72.1 centimeters).
Weight:	
Net:	175.0 pounds (79.3 kilograms).
Shipping:	197.0 pounds (89.2 kilograms).

MEASUREMENT NOTES

1. Pink noise signal, one Watt calculated using $E^2/Zmin$, 3.16 meter-measurement distance referred to one meter.

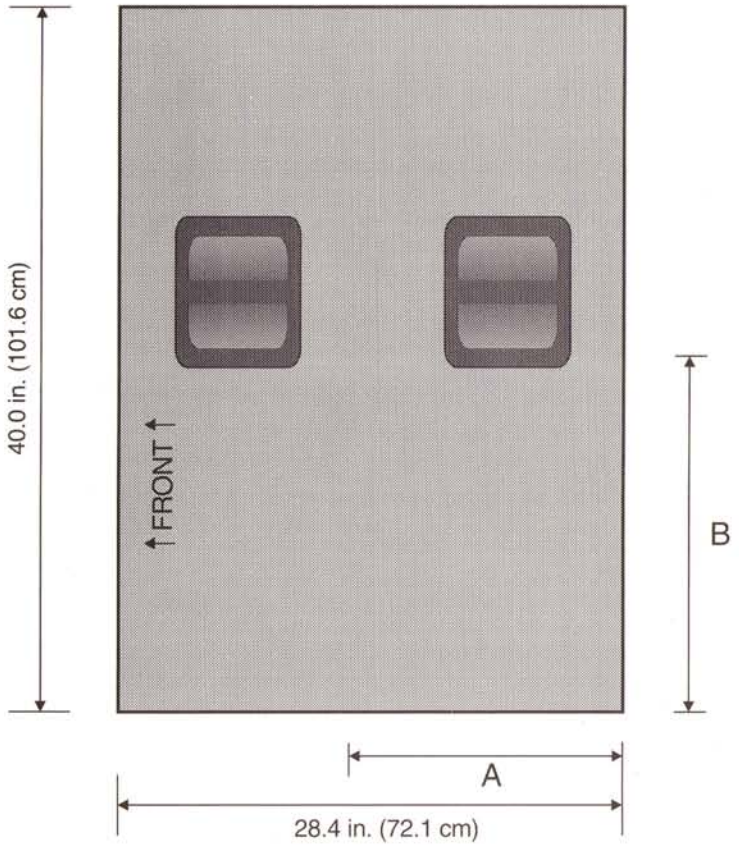
2. On-axis, one Watt calculated using $E^2/Zmin$, 3.16 meter-measurement distance referred to one meter, low frequencies corrected for anechoic chamber error.

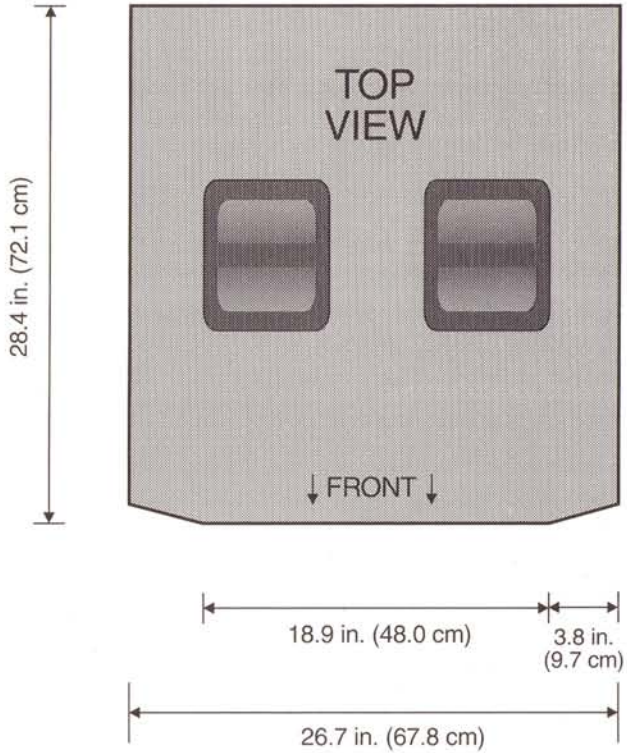
3. This system rating patterned after the AES method for individual driver, where the test signal is pink noise with a 6 dB crest factor over the bandwidth of the system, with power calculated using the $E^2/Zmin$, for two hours.

4. This measurement made under the same conditions as Pressure Sensitivity, but at rated power, and takes into account any power compression effects due to non-linearities in the system.

Center of Gravity

A: 16.0 inches (40.6 cm)
B: 20.0 inches (50.8 cm)





ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The loudspeaker system shall be of the vented bass type consisting of two 18.0 inch (45.7 cm) high power low frequency loudspeakers. The loudspeaker system shall meet the following performance criteria: AES power handing, 600 watts of pink noise with 6 dB crest factor, band limited from 40 Hz to 400 Hz. Frequency response, smooth and uniformly usable from 31 Hz to 200 Hz. Pressure sensitivity, 98 dB SPL from 30 Hz - 200 Hz, one watt at one meter on axis. Impedance, 8.0 ohms per driver or 4.0 ohms paralleled. The enclosure shall be constructed of 14-ply birch plywood. The cabinet shall be heavily braced and lined with sound absorbent glass wool. The finish of the enclosure shall be a black texture paint with a black metal grille. The dimensions of the enclosure shall be 40.0 inches (101.6 cm) high by 26.7 inches (67.8 cm) wide by 28.4 inches (72.1 cm) deep. The loudspeaker system shall weigh 175.0 lbs (79.3 kgs).

The loudspeaker system shall be the Altec Lansing DTS182A.

ALTEC LANSING®

a MARK IV company

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PRINTED IN U.S.A. 3/94

42-07-039546