



The Mark of the professional...

DAVIS HORN SPEAKERS



DH-15T8



DH-30T8

- **Intelligible Voice Paging or Signaling**
- **For Outdoor or Indoor Use**
- **70/25 Volt Plus 8Ω Tap for Two-Way Radios and Other 8Ω Applications**
- **Long Throw Omnidirectional Coverage**
- **Easy to Install and Aim with Universal Gimbal Mounting Bracket**
- **Durability from Metal Construction, Baked Epoxy Finish and Protected Terminal Strip**

The J.W. Davis DH Series “folded” horns are designed to provide intelligible voice paging and signaling in high noise environments while affording the maximum coverage possible. In addition to the 70V, 25V and 8Ω taps, four additional taps are available to control volume levels in quieter conditions. For general reference, Table 1 shows the maximum recommended coverage distances and suggested level settings required to achieve sufficient volume to be clearly heard over existing background noise.

Table 1

Noise Levels		DH-15T/8		DH-30T/8	
		70V/ 25V : Tap Setting/ Wattage	Maximum Distance	70V/ 25V : Tap Setting/ Wattage	Maximum Distance
Conversation (3')	Low (55-65dB)	2/3 : 1.8/ .48	240 ft.	2/4 : 3.7/ 1.8	250 ft.
Large Store Accounting Office					
Vacuum Cleaner (10')	Moderate (66-75dB)	2/4 : 1.8/ .94	185 ft.	2/4 : 3.7/ 1.8	195 ft.
Freight Train (100') Supermarket					
Jet Aircraft Cabin Assembly Line Sports Car (60 mph)	High (76-85 dB)	3/5 : 3.7/ 1.8	130 ft.	3/5 : 7.5/ 3.7	140 ft.
Heavy Street Traffic Machine Shop Printing Press					
	Very High (86-95dB)	4/6 : 7.5/ 7.5	70 ft.	4/6 : 15/ 15	80 ft.

Caution: All “folded” or “reentrant” horns are exponential trumpets with drivers that are engineered for voice reproduction. Attempting to add bass by raising the amplifier bass control may result in overloading and destroying the driver diaphragm.

Model	DH-15T/8	DH-30T/8
Power Rating (RMS) :	15 Watts continuous 20 Watts equalized	30 Watts continuous 40 Watts equalized
Frequency Responses :	450 - 5,000 Hz ± 5dB	450 - 5,000 Hz ± 5dB
Impedance :	Adjustable to 8 ohms or @ 25V to 1300, 666, 333, 83, 42 ohms; @ 70V to 2500, 1300, 666, 333 ohms	Adjustable to 8 ohms or @ 25V to 333, 167, 38, 21 ohms; @ 70V to 1300, 666, 333, 167 ohms
Magnet :	Ferrite	
Finish :	Mocha Tan, Texturized Epoxy Enamel	
Dimensions :	8" W x 8" H x 9¼" D	10" W x 9½" H x 10½" D
Shipping Weight :	5 lbs.	6 lbs.

Tech Note: Proper speaker placement is often as important as speaker selection. Tests show that horns mounted about 20' high and, in multiple horn installations, located approximately 40' apart will produce the best performance in typical installations. The minimum volume level should be at least 6dB above the ambient noise level of the coverage area.

NEW TECHNOLOGY



OLD RELIABILITY