

WHELEN[®]

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Model WSXPL6Tx* Explosion Proof Speaker Assembly
P/N: 01-1461237-0x*

General-

Whelen Model WSXPL6Tx* is an explosion proof 60 watt speaker assembly intended for use in indoor personnel warning applications, where high sound level output is required.

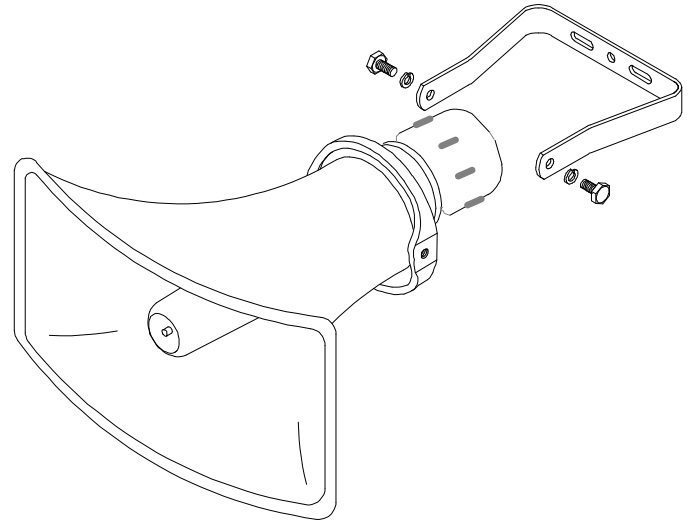
The speaker flare is made from fiberglass, with a spun aluminum re-entrant section. A speaker driver, with wire leads, is assembled to the speaker. A heavy-duty, painted steel mounting bracket allows the installer to position the speaker in a number of different ways.

An internal impedance matching transformer allows the user to select reduced power levels.

Installation-

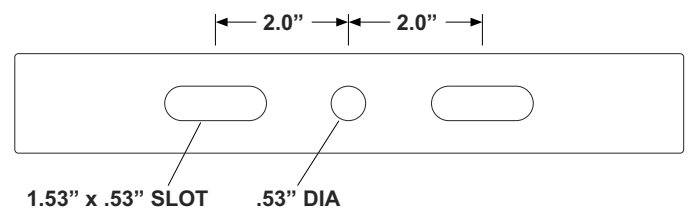
Determine the location of the speaker. Mount to a rigid structure, using the supplied mounting bracket. The bracket dimensions are shown in the detail drawing. Position the speaker as required. Do not position the speaker pointing upward, if there is a possibility of filling with water.

Speaker connections are made by carefully removing the back cover of the driver housing. Notice that each solder tab on the transformer is labeled. Solder the two internal driver wires to the transformer lugs marked 16Ω and C. Solder one of the siren audio speaker wires to the lug marked COM. Solder the other speaker wire to the lug at the desired power setting.



Prior to re-assembly, make certain that the machined surfaces of the housing are clean. Do not use any type of gasket or sealing compound. Tighten all housing bolts completely.

Mounting Bracket Detail



Mass Notification

Dimensions

Height: 12" (30.4 cm)
 Width: 22" (55.8 cm)
 Depth: 25.5" (64.77 cm)
 Weight: 27 lbs. (12.2 kg)

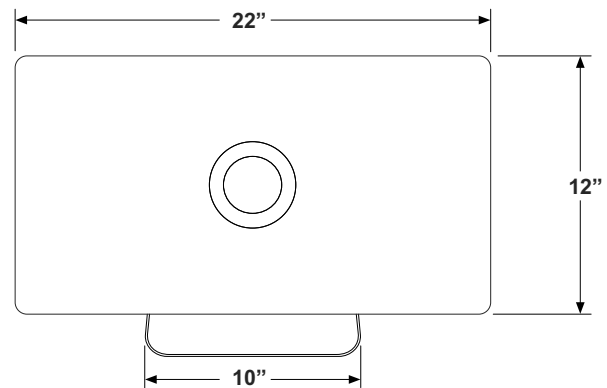
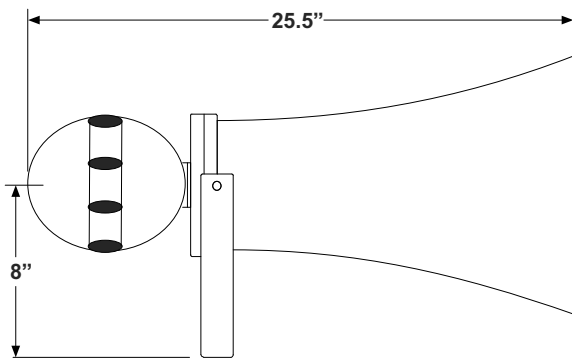
Performance

SPL:	60W	123 dbA (at 4 ft., 500 Hz)
	40W	121 dbA
	20W	118 dbA
	10W	115 dbA
	5W	112 dbA
	2.5W	109 dbA

Finish

Speaker: Black

Dispersion: °120 x 60°



DIMENSIONS

Notes:

1. Specify classified area.
 *x= 1 for Class I, Groups C, D
 2 for Class I, Groups C, D and Class II, Groups E, F, G
 3 for Class I, Groups B, C, D
2. Hazardous location listings per Model HLE-30, by Atlas/Soundolier, Fenton, Missouri.
2. SPL (Sound Pressure Level) readings are +/- 2 dbA.
3. Performance measured with Whelen Amplifier, 01-0285564-00C