

Acoustic Backbox for 12" speaker

Description

Lowell DX Series professional acoustic backboxes are engineered for distributed speaker systems that require sound reinforcement of the highest quality. They have been carefully manufactured to provide systems designers with the benefits of large universally accepted metal enclosures plus the acoustic characteristics associated with 3/4" plywood boxes. These large volume backboxes allow a 12" speaker to operate at its optimum loading level, providing the system with improved low frequency response. They are ideal for use with Lowell's 12Q250 Consultant's Choice (250W) driver with companion FW-12Q grille with ported subplate or Lowell's 12P150 (150W) driver with companion FW-12 grille. (order drivers and grilles separately.)

Backbox Models DX1312, DX1512, DX1612, and DX1712 have a volume of 1.9, 2.9, 4.0, and 5.9 cu.ft. respectively for mounting high performance 12" drivers. They are rigidly braced structures fabricated of welded, unitized heavy gauge steel with damping to eliminate acoustical and mechanical resonances. The inner walls of each backbox are lined with 1/2" thick acoustical fiberboard to prevent sympathetic vibrations within the expanse of the cavity. Additionally, inside surfaces are lined with a 1-1/2" thick premium acoustic lining with a density rating of 1-1/2 pounds to absorb undesirable resonance in the high frequency range.

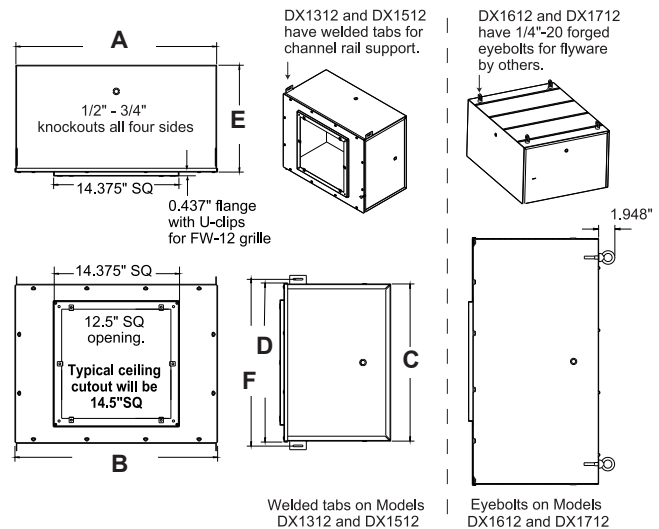
Each unit is furnished with four 1/2" - 3/4" conduit knockouts. Models DX1312 and DX1512 feature two sets of slotted tabs welded on parallel sides to facilitate mounting with optional Lowell Model SS30 or SS48 channel rails (order separately). Slotted tabs may also be used as seismic anchor points where required by code. Extra large Models DX1612 and DX1712 feature (4) 1/4" - 20 forged eyebolts on the top for suspended installation using flyware (by others). Eyebolts are factory mounted into 1/4" - 20 hex nuts and extend 1.948". The grille mounting flange on all models projects 0.437" for efficient installation in plaster, poured concrete, sheetrock, or suspended tile ceilings. The flange includes 8-32 screw retaining U-clips to accept Lowell 12" speaker grille Model FW-12 or FW-12Q with ported subplate. Each backbox is finished in Lowell's durable black powder epoxy.

A & E Specifications:

The recessed acoustic backbox for 12" speakers shall be Lowell Model ____ (DX1312, DX1512, DX1612, DX1712). It shall be fabricated of 18 gauge steel heavily damped to eliminate acoustic and mechanical resonance. The inner walls shall be lined with 1/2" thick acoustic fiberboard and 1-1/2" thick acoustic lining. The backbox shall measure ____ with an internal volume of ____ (1.9 cu.ft., 2.9 cu.ft., 4.0 cu.ft., 5.9 cu.ft.). It shall have four 1/2" - 3/4" knockouts for conduit. It shall have two sets of slotted tabs welded on parallel sides for channel mounting or seismic anchoring (DX1312, DX1512) or have 1/4" x 20 forged eyebolts for suspended installation using flyware by others (DX1612, DX1712). It shall be finished in black powder epoxy. For tile ceiling applications, channel rail Model SS30 or SS48 may be specified for DX1312 or DX1512. For open areas, flyware by others may be specified for DX1612 or DX1712. The acoustic backbox shall mount to separately ordered high performance 12" speaker Model ____ (12Q250 plus grille Model FW-12Q, 12P150 plus grille Model FW-12 by Lowell).



DX1612
Acoustic Backbox for 12" speakers



Compatible Components: (order separately)
Speaker: 12Q250* or 12P150
Grille: FW12Q* or FW12
Channel Rails: SS48 recommended for suspended ceilings
 *12Q250 and FW12Q will not fit DX1312

Model	Description	Features	A	B	C	D	E	F	Volume
DX1312	Acoustic backbox for 12" speaker	1-1/2" thick lining	23"	23.25"	18"	18.25"	8"	19.125"	1.9 cu.ft
DX1512	Acoustic backbox for 12" speaker	1-1/2" thick lining	23"	23.25"	18"	18.25"	12"	19.125"	2.9 cu.ft.
DX1612	Acoustic backbox for 12" speaker	1-1/2" thick lining	23"	23.25"	18"	18.25"	16.75"	N.A. incl. eyebolts	4.0 cu.ft.
DX1712	Acoustic backbox for 12" speaker	1-1/2" thick lining	29.5"	30"	23"	23.25"	15"	N.A. incl. eyebolts	5.9 cu.ft.