



F28-H Full Range Loudspeaker



APPLICATIONS

Entertainment Venues
Delay Fill
Public Address System
Cruise Ships
Sporting Arenas
Dance Clubs
Cinema

FEATURES

Two-Way Active
LF Devices: (2) 8in. (203.2mm)
HF Device: 1in. (25.4mm)
90° H x 90° V Coverage
Integral Mounting Points
Epoxy Mastic Finish
EP-4 Connectors &
4-Position Terminal Strip

GENERAL DESCRIPTION

The Clair Brothers F28-H is a two-way full range high-output loudspeaker designed for a variety of permanent installations. The carefully designed, hexagonal decahedron cabinet minimizes internal reflections resulting in exceptional intelligibility.

The F28-H is ideal for near field and area fill uses, such as delays, columns, stage aprons, and balconies. The F28-H is also at home as a small stand-alone PA system. The low profile design and various rigging options make the F28-H ideal for installations where space limitations are a consideration.

Six (6) integrated, threaded mounting points [3/8"–16 thread] provide a wide variety of custom rigging solutions in addition to compatible standard mounting brackets.

The F28-H has exceptional performance in a low profile cabinet measuring a mere 11" x 32" x 15.2". The speaker is ideal for a variety of venues including theaters, houses of worship, cruise ships, and auditoriums.

As with all Clair Brothers products, the F28-H is constructed of the finest Baltic birch plywood and finished with a rugged exterior epoxy to withstand the most demanding conditions.

OPTIONS & ACCESSORIES

F28-HP – Passive Model
F28-V – Vertical Orientation Cabinet (Pole Mount)
F28-MB – Yoke Mounting Bracket
RC-F28 – Road Case for (2) F28
Custom Rigging Yokes
Custom Colors Available

F28-H Full Range Loudspeaker



AUDIO SPECIFICATIONS

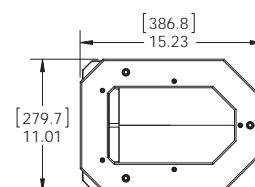
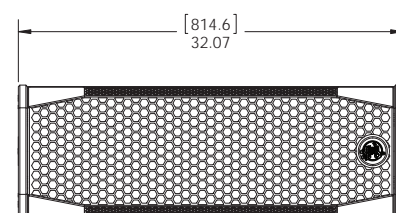
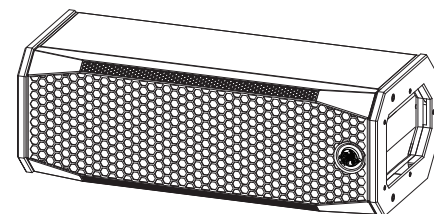
Loudspeaker Type	Two-Way Active	
Frequency Response (+/- 2dB)	51Hz–16kHz	
Recommended Power Amplifier	1000W @ 4 Ohms	
Sensitivity (1 Watt @ 1 Meter)	LF	96.5 dB SPL
	HF	112.4 dB SPL
Maximum Output	Cont.	123.5 dB SPL
	Peak	126.5 dB SPL
Drivers	LF	(2) 8 in. (203.2mm)
	HF	(1) 1 in. (25.4mm)
Nominal Impedance	LF	4 Ohms
	HF	8 Ohms
Power Handling	Cont.	440W
	Peak	1000W
Dispersion	90° H x 90° V	
Input Connections	Standard	(2) EP-4 Connectors (1 Male, 1 Female) & (1) 4-Position Terminal Strip

MECHANICAL SPECIFICATIONS

Enclosure	Shell	18mm / 15mm Baltic Birch
	Geometry	Hexagonal Decahedron
	Finish	Black Epoxy Mastic
Grille	Hexagonal Perforated Steel, Fabric Backed	
Dimensions	Height	11.01 in. (279.7mm)
	Width	32.07 in. (814.6mm)
	Depth	15.23 in. (386.8mm)
Weight	Active	57 lbs. (25.9kg)
	Passive	66 lbs. (30.0kg)
Shipping Weight	Active	67 lbs. (30.4kg)
	Passive	76 lbs. (34.5kg)
Rigging	Standard	Six (6) Integrated 3/8"-16 Mounting Points
	Optional	Yoke Mounting Bracket

Note: All wattage figures are calculated using the rated nominal impedance.

Clair Brothers products are designed to perform optimally by utilizing factory recommended proprietary DSP settings.



F28-H Active Configuration

EP4		Terminal Strip	
Pin	Use	Terminal Color	Use
1	Low (-)	Black	Low (-)
2	Low (+)	Red	Low (+)
3	High (-)	Black	High (-)
4	High (+)	White	High (+)

ARCHITECT AND ENGINEERS SPECIFICATIONS

The loudspeaker shall be a two-way active, or optionally passive, system featuring a total of three (3) drivers. The low/mid frequency section shall consist of two 8 in. (203.2mm) drivers capable of handling 440 watts of pink noise with a 6 dB crest factor for eight hours (as per EIA RS-426-A standard). The high frequency section shall consist of a 1 in. exit, 1.7 in. voice coil compression driver mounted on a 90° H x 90° V horn. The driver is capable of handling 80 watts (1 kHz to 10 kHz) of pink noise with a 6 dB crest factor for two hours (as per AES-1984 and ANSI S4.26-1984 standards). The enclosure shall be constructed with 18mm, 13-ply and 15mm, 11-ply Baltic birch and covered with a durable black epoxy mastic finish. The dimensions shall be 11.01" high, 32.07" wide, and 15.23" deep. The active system weight shall be 57 lbs. (25.9kg); the passive system weight shall be 66 lbs. (30.0kg). The loudspeaker system shall be the Clair Brothers F28-H, or F28-HP, loudspeaker.

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Due to constant research, development and improvements all specifications are subject to change without notice.

