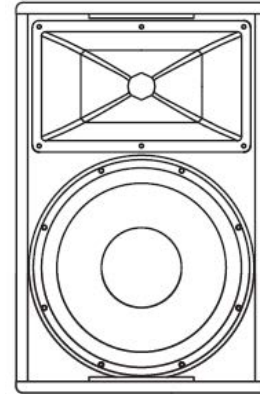
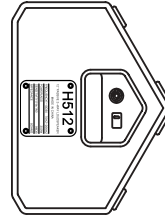


Professional Series

Key Features:

- ▶ Compact and low-profile for minimal obstruction of audience sight-lines
- ▶ 90° x 50° nominal coverage
- ▶ Bi-amplified or full-range passive operation
- ▶ Dual-angle pole socket for applications requiring tripod mounting
- ▶ Optional yoke available for truss-mounted or suspended applications
- ▶ Neodymium magnet Differential Drive® woofer for high-power capacity and very light-weight
- ▶ 3" (diaphragm) neodymium magnet compression driver



Applications

- ▶ Live performance stage monitoring
- ▶ Speech reinforcement
- ▶ Reinforcement of vocal and acoustic music
- ▶ High-performance satellite speaker for use with subwoofers

The H512 is a world-class, professional stage monitor. The H512 uses a POLMAN 2262H 305 mm (12 in) patented* Differential Drive® woofer and a 2431H 75 mm (3 in) voice-coil, neodymium compression driver for 350 watts (continuous) power capacity from a monitor with a profile that is only 12 inches above the stage. A 50° x 90° aluminum horn provides smooth, even coverage whether the performer is standing right on the speaker or moving upstage.

Bi-amp or full-range passive operation may be selected by a recessed, high-current switch mounted in the handle cup. NL4 connectors are provided on both ends of the speaker to keep cable runs tidy on stage.

The H512 can also do double duty as a utility speaker. For use on a tripod or over a subwoofer, POLMAN's dual angle pole mount is included. This feature allows the speaker to be mounted in a vertical position or with a 10° down tilt for optimum audience coverage. If suspension or truss mounting is a requirement, add the optional H512-YK yoke bracket. This accessory provides attachment points for a wide range of suspension and truss mounting hardware.

The enclosure is constructed of top quality birch plywood and coated in polman's rugged DuraFlex™ finish. The attractive CNC-machined, 16-gauge steel grille wraps around the sides of the enclosure so there are no protruding lips on the front of the box to create acoustical interference. The grilles are internally lined with acoustically transparent foam to provide additional driver protection and give a very professional appearance.

Specifications:

System Type:	12", two-way, bass-reflex, stage-monitor / utility
Frequency Range (-10 dB):	70 Hz – 20 kHz
Frequency Response (±3 dB):	83 Hz – 18 kHz
Coverage Pattern:	50° x 90° nominal (Monitor position)
Crossover Modes:	Bi-amp / passive, externally switchable
Crossover Frequency:	1.2 kHz
Power Rating (Continuous ¹ / Program / Peak):	Passive: 800 W / 1600 W / 3200 W Bi-amp LF: 800 W / 1600 W / 3200 W Bi-amp HF: 75 W / 150 W / 300 W
Maximum SPL ² :	131 dB SPL peak
System Sensitivity (1w @ 1m):	96 dB SPL (passive mode)
LF Driver:	1 x 2262H 305 mm (12 in) Differential Drive woofer
HF Driver:	1 x 2431H 75 mm (3 in) voice coil, neodymium compression driver
Nominal Impedance:	Passive: 8 ohms Bi-amp LF: 8 ohms Bi-amp HF: 8 ohms
Active Tunings:	DriveRack, all models. Settings available at
Enclosure:	Symmetrical stage monitor, 15 mm, 11-ply birch MDF.
Suspension / Mounting:	Dual-angle (0° or -10°), 35 mm pole socket 2 x M10 fittings for optional H512 yoke
Transport:	Integrated handle / input cup
Finish:	Black DuraFlex finish
Grille:	Powder coated, black, 16-gauge perforated steel with acoustical transparent charcoal foam backing. Removable badge and punched polman logo.
Dimensions (H x W x D):	349 mm x 546 mm x 260 mm (13.75 in x 21.5 in x 10.25 in)
Net Weight:	15 kg (33 lb)