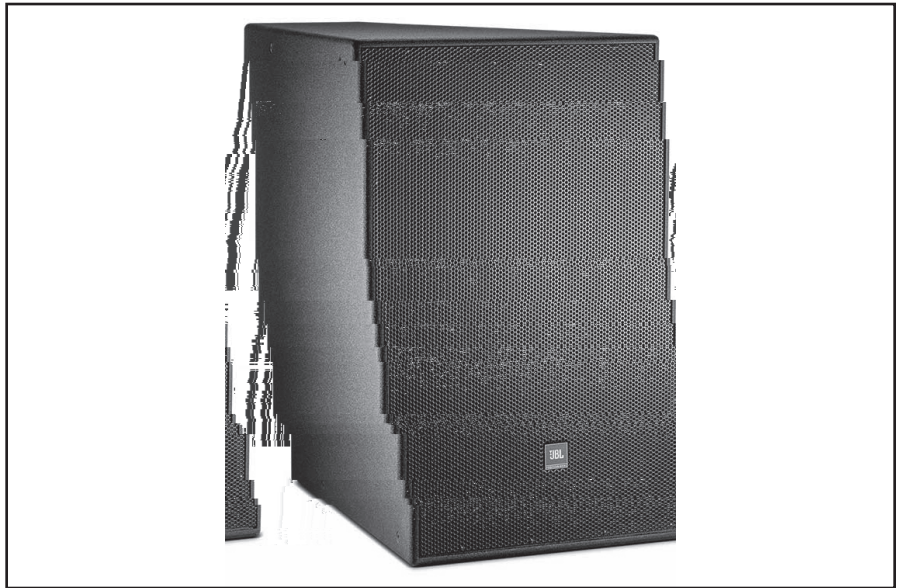


PD6212/43



Specifications:

Frequency Range ¹ (-10 dB):	80 Hz to 18 kHz
Frequency Response ¹ (± 3 dB):	90 Hz to 16 kHz
Coverage Pattern:	40° x 30°
Directivity Factor (Q):	24.1
Directivity Index (DI):	16.0 dB
Crossover Modes:	Bi-amp/Passive switchable
Passive Crossover:	850 Hz
Transducer Power Ratings (AES):	LF: 400 W (1600 W peak), 2 hrs. 300 W (1200 W peak), 100 hrs HF: 75 W (300 W peak), 2 hrs
Long-Term System Power Rating (IEC):	Passive Mode: 300 W (1200 W peak), 100 hrs.
Maximum SPL:	Bi-amp mode: LF: 137 dB-SPL cont avg (143 dB peak) HF: 135 dB-SPL cont avg (141 dB peak) Passive mode: 134 dB-SPL cont avg (140 dB peak)
System Sensitivity (1W @ 1m):	Passive Mode: 109 dB-SPL
Transducers:	
Low Frequency Driver:	M222-8A 300 mm (12 in) driver with 75 mm (3 in) voice coil
Nominal Impedance:	8 ohms
Sensitivity ⁶ (1W, 1m within operational band):	111 dB-SPL
High Frequency Driver:	2453H, 38 mm (1.5 in) exit compression driver with 100 mm (4 in) voice coil
Nominal Impedance:	8 ohms
Sensitivity ⁶ (1W @ 1m)	116 dB-SPL
Waveguides:	LF: PT-N43MF 600 x 600 mm (24 x 24 in) HF: PT-H43HF 300 x 300 mm (12 x 12 in)
Physical:	
Enclosure:	Trapezoidal with 12.5 degree side angles, 16 mm (5/8 in) exterior grade 11-ply Finnish birch plywood.
Suspension Attachment:	20 points (5 top, 5 bottom, 4 each side, 2 rear), M10 threaded hardware (eyebolts NOT included, see optional accessories).
Finish:	Black DuraFlex™ finish. White (-WH) available upon request.
Optional Weather Resistant Versions:	WRC for outdoor placement where the loudspeaker will be sheltered from direct exposure to the elements. WRX for direct exposure or extreme environments, such as tropical or beach, or in areas with salt air, extreme high humidity or rapid changes in temperature. See WRC/WRX configuration sheet for details.
Grille:	Powder coated 14 gauge perforated steel, acoustically transparent foam backing (grille cloth backing on white units)
Input Connectors:	Neutrik Speakon® NL4, plus CE-compliant covered barrier strip terminals. Barrier terminals accept up to 5.2 sq mm (10 AWG) wire or max width 9 mm (.375 in) spade lugs. Speakon in parallel with barrier strip for loop-through.
Environmental Specifications:	Mil-Std 810; IP-x3 per IEC529. For higher environmental ratings, use WRC or WRX.
Dimensions (H x W x D in vertical orientation):	991 x 673 x 897 mm (39.0 x 26.5 x 35.3 in)
Net Weight:	79.5 kg (175 lb)
Optional Accessories:	229-00009-01 kit of three M10 x 35 mm forged shoulder steel eyebolts.

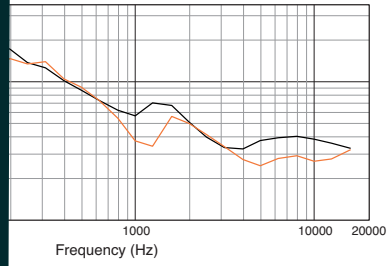
¹ In bi-amp mode, with required active tuning.

² Resultant engineered acoustical response of crossover network and components.

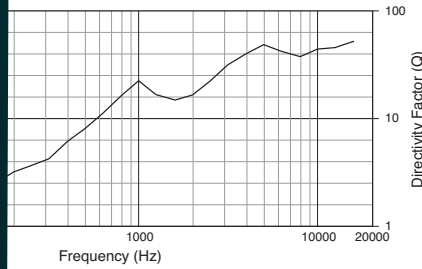
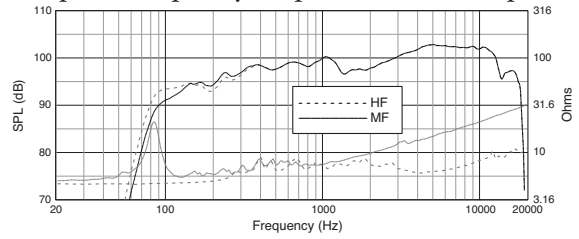
³ AES standard, one decade pink noise with 6 dB crest factor within device's operational band, free air. Standard AES 2 hr rating plug long-term 100 hr rating are specified for low-frequency transducers.

⁴ IEC standard, full bandwidth pink noise with 6 dB crest factor, 100 hours.

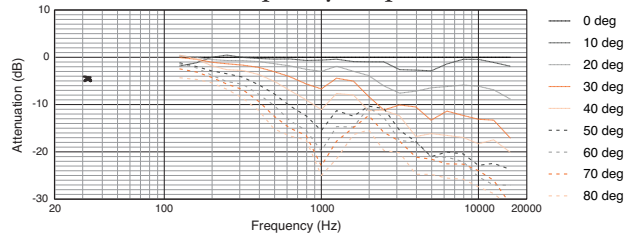
High Output Two-Way Full-Range Loudspeaker



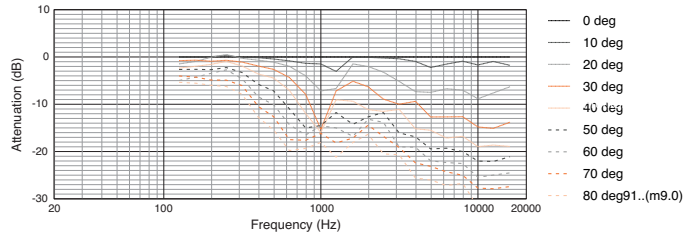
Bi-Amp FIR Frequency Response and Raw Impedance



Horizontal Off-Axis Frequency Response

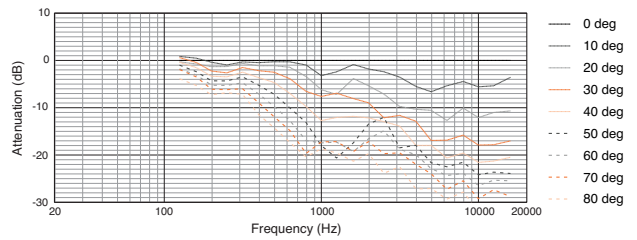


Vertical Up Off-Axis Frequency Response

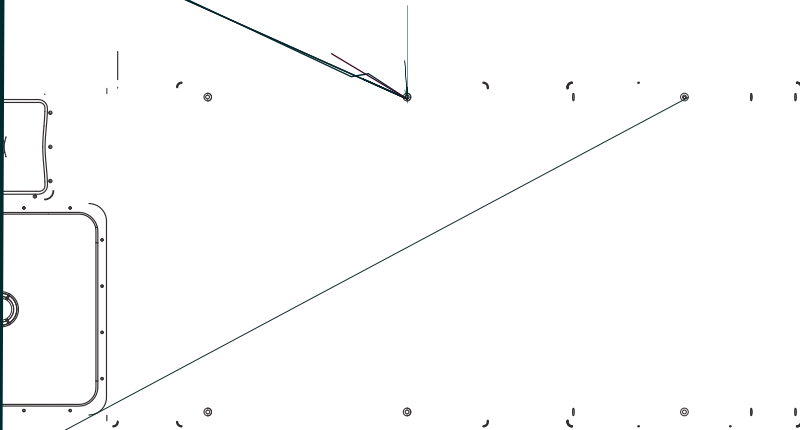


For more detailed information, refer to Application Data Sheet

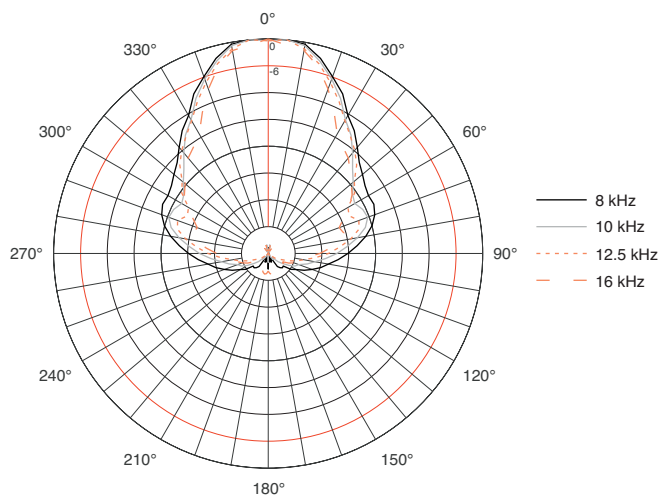
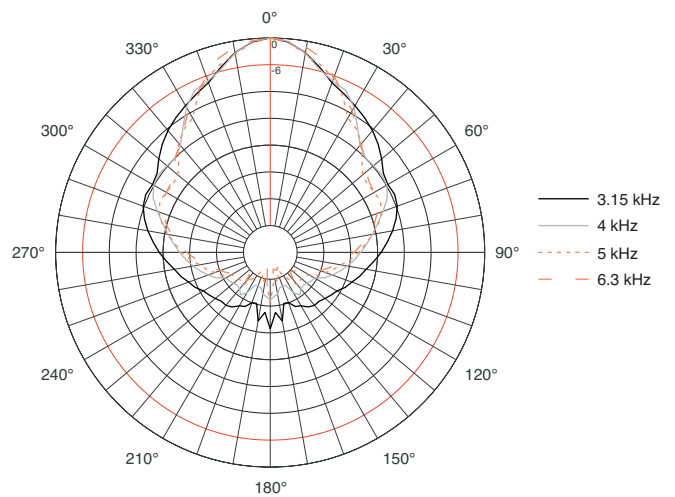
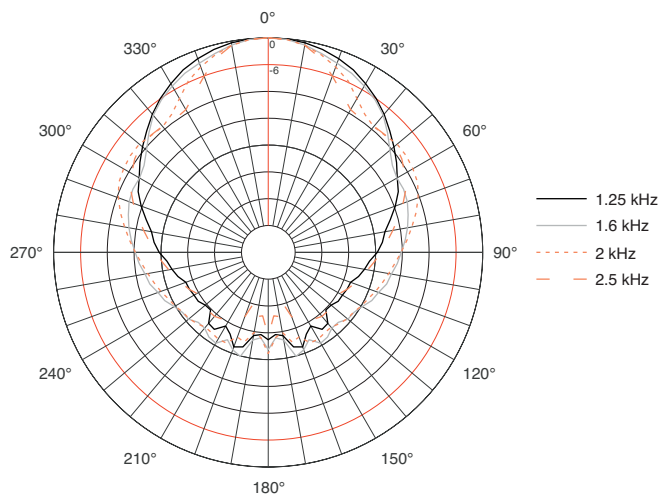
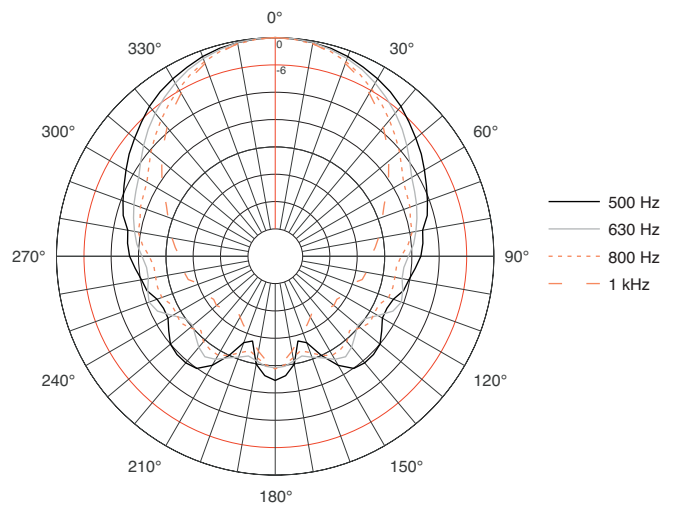
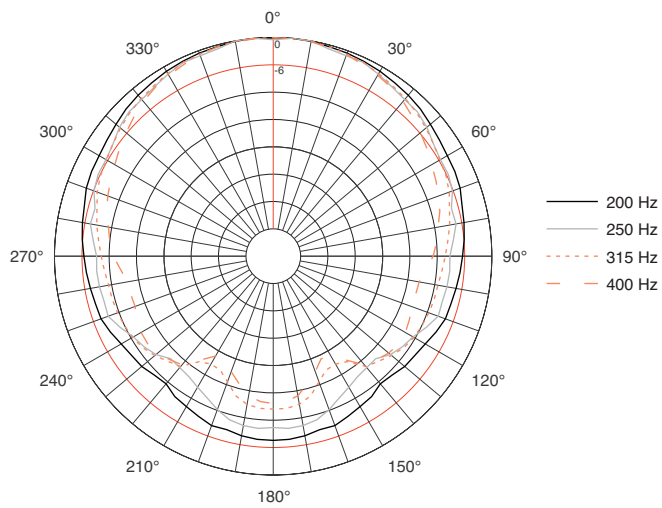
Vertical Down Off-Axis Frequency Response



Measurements obtained in bi-amp mode using FIR filters. Graphs are from unaltered measured data.

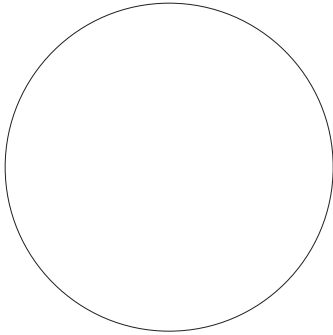


Horizontal 1/3 Octave Polars



▶ PD6212/43 High Output Two-Way Full-Range Loudspeaker

Vertical 1/3 Octave Polars



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