MONITOR SPEAKER

ME-120
Full Range Speaker System





Rear View

ME-160
2-Way Speaker System





Rear View

DESCRIPTION

TOA's new ME-160 and ME-120 monitor speakers are designed to meet nearfield monitoring applications in control rooms. They feature high quality accurate and low-colouration sound to satisfy the various requirements for monitor speakers for professional or consumer requirements. It comes in a set of 2 speakers, type A and type B.

FEATURES

- The ME-160 and ME-120 produce a spacious, deep soundstage with outstanding ambience retrieval.
- Better monitoring achieved with excellent low-level dynamics and resolution.
- Ideal speakers for nearfield monitoring applications with flat frequency response and high resolving power allow use as ideal sound quality evaluation tool for professionals.
- Able to position near video monitors and CRT displays thanks to shielded construction technique utilized.
- Easy to mount in different locations using special mounting hardware.
- Cabinet construction utilizes MDF (Medium Density Fiberboard) and interior bracing to achieve maximum rigidity with exterior wood veneer finish.
- Speaker terminals are gold-plated and also accept dual banana jacks.
- Acoustically transparent grilles use black jersey material and are removable.
- Installation is easy and optional metal hardware provide flexible mounting choices.
- Speakers can also be suspended from a wall or ceiling.

ME-160

- The ME-160 woofer is made of a newly developed composite cone material with natural fibers and resin for achieving ideal stiffness and producing optimal piston motion.
- Dome tweeter utilizes soft fabric (Tetoron) and an acrylic-based damping process for smooth, uncoloured and extended high frequencies.
- Crossover features specially selected components for producing excellent transient response while reducing any potential smearing and phase problems.
- High efficiency speaker design achieves a flat frequency response over the useable frequency range.
- Cabinet uses a bass reflex cabinet configuration and is tuned to a frequency of 50Hz for accurate low frequency reproduction within design parameters.

ME-120

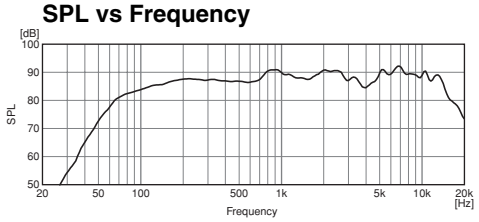
- More compactly configured speaker is ideal for quality monitoring in small spaces.
- Incorporates a single high performance full-range driver unit that performs as a point source for ideal dispersion characteristics..
- Speaker speaker features a copper ribbon edge-wound speaker voice coil for accurate low frequency energy as well superb response well up into the midrange. The speaker's high efficiency design is able to produce a magnetic flux density of 1.3T.
- Bass reflex cabinet design tuned to 75Hz.

TOA

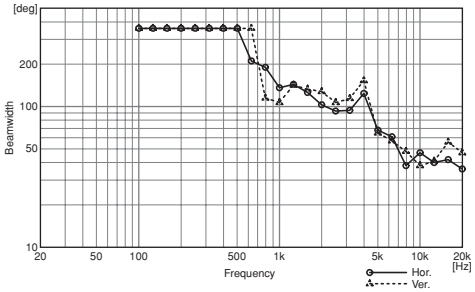
ME-120

CHARACTERISTIC DIAGRAMS

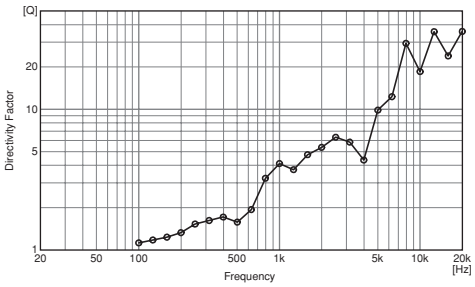
SPL vs Frequency



Beamwidth vs Frequency

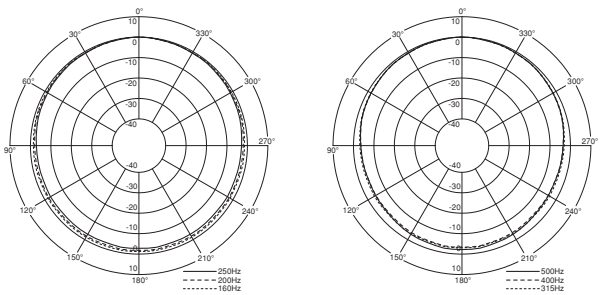


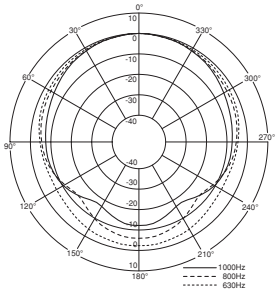
Directivity Factor vs Frequency

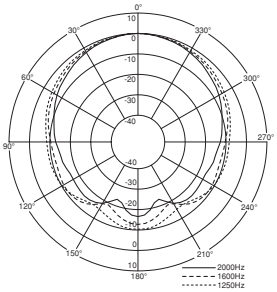


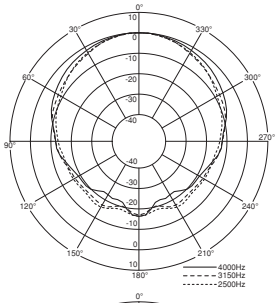
Polar Response

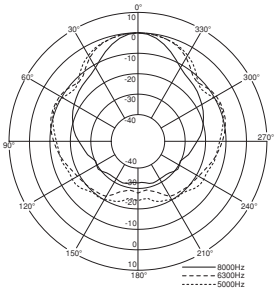
horizontal

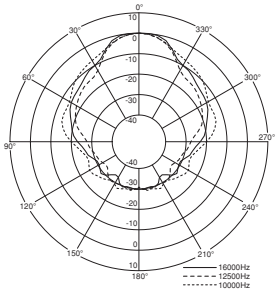




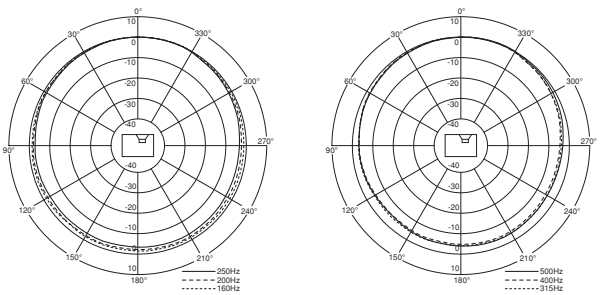


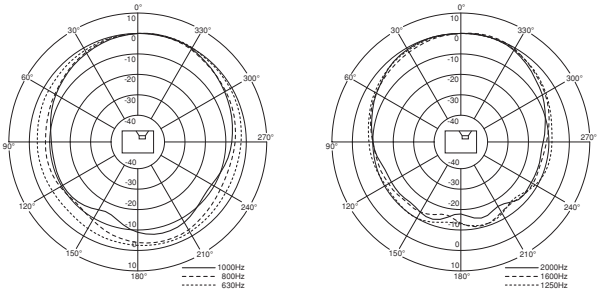


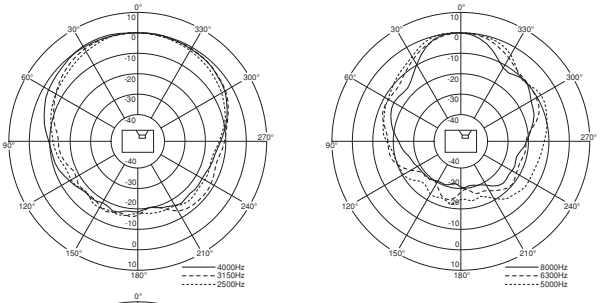


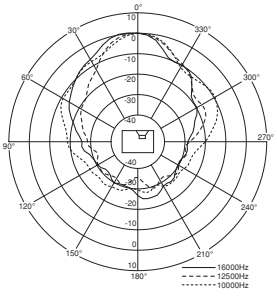


vertical





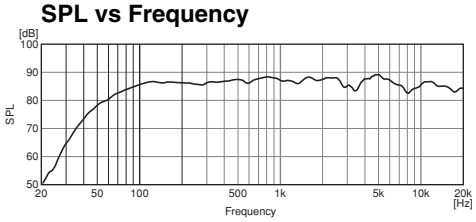




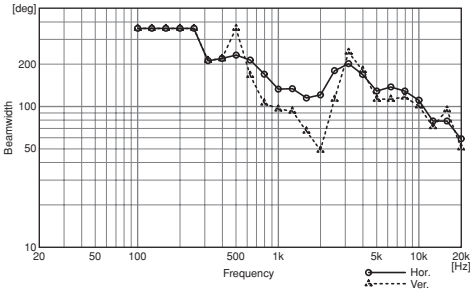
ME-160

CHARACTERISTIC DIAGRAMS

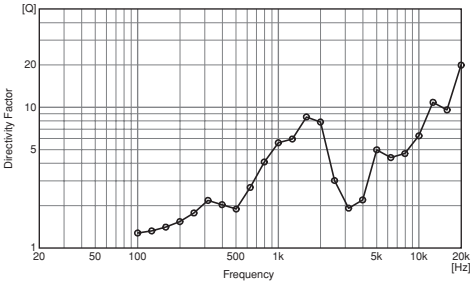
SPL vs Frequency



Beamwidth vs Frequency

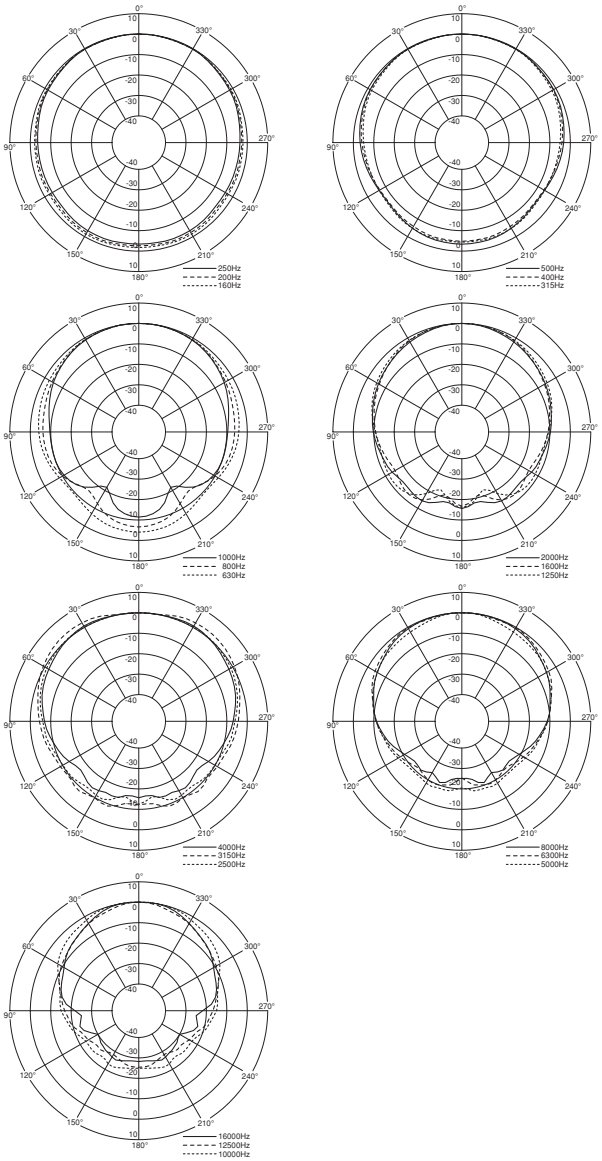


Directivity Factor vs Frequency

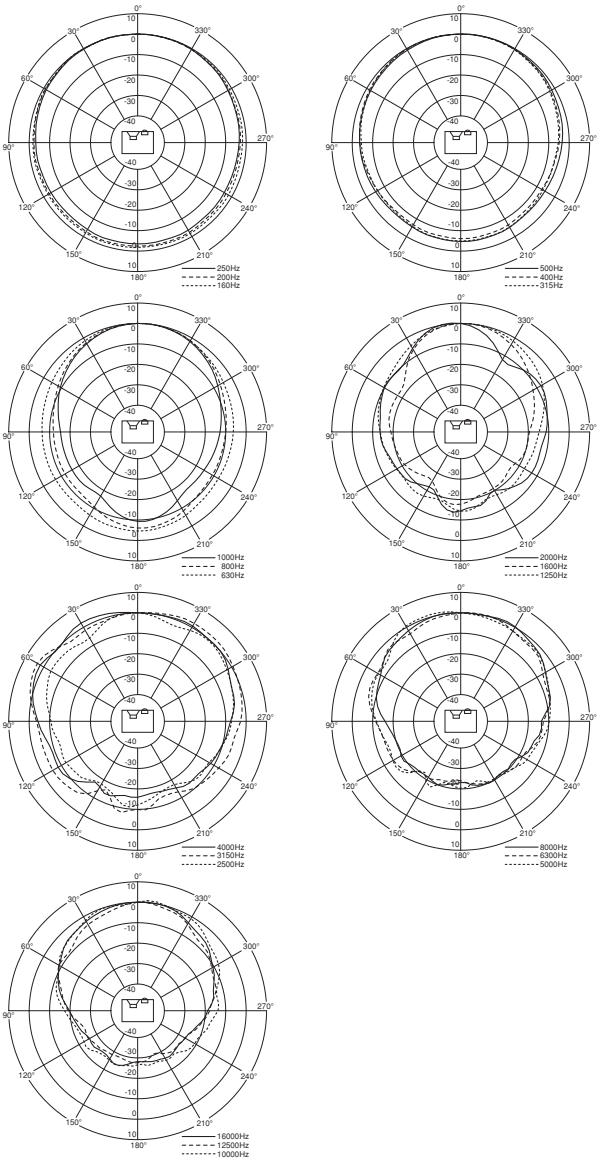


Polar Response

horizontal



vertical



SPECIFICATIONS

	ME-120	ME-160
Enclosure	Bass reflex type	
Power Handling Capacity	Continuous pinknoise: 50W, Continuous program: 150W	
Rated Impedance	6 ohms	
Sensitivity	88dB (1W, 1m)	
Frequency Response	60 – 18,000Hz	50 – 20,000Hz
Crossover Frequency	—	2,000Hz
Speaker Component	12cm cone-type (magnetically shielded)	16cm resin-impregnated natural fiber cone woofer (magnetically shielded)
	—	2.5cm soft-dome type (magnetically shielded)
Input Terminals	Screw terminals (compatible with a dual-banana plug), gold plated	
Finish	Enclosure: MDF, black, paint Front grill: Cloth, black	
Dimensions	170 (W) × 264 (H) × 194 (D) mm	216 (W) × 376 (H) × 244 (D) mm
Weight	3.6kg (per unit)	7.5kg (per unit)
Mounting Brackets (option)	WCB-12, WCB-31, CMB-31	WCB-31, CMB-31

Note 1: Use screws inserted into an enclosure to mount the optional speaker holder.
Note 2: Both the ME-160 and ME-120 do not incorporate protective circuitry which could affect sound quality.
Care must be taken to pair the speakers with amplification within the recommended range. In no circumstances should the speakers be used for public address applications.

OPTIONS



WCB-12
Wall/Ceiling Mounting Bracket



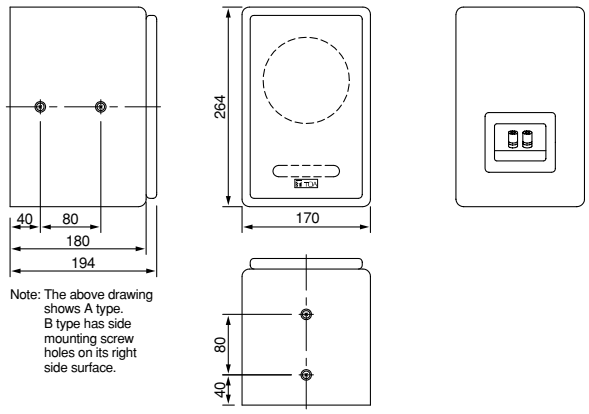
WCB-31
Wall/Ceiling Mounting Bracket



CMB-31
Ceiling Mounting Bracket

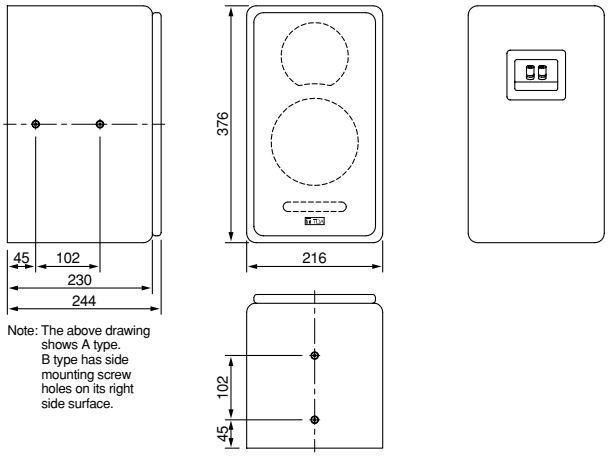
APPEARANCE AND DIMENSIONAL DIAGRAM

ME-120



Note: The above drawing shows A type.
B type has side mounting screw holes on its right side surface.

ME-160



Note: The above drawing shows A type.
B type has side mounting screw holes on its right side surface.

Unit: mm

TOA Corporation
URL : http://www.toa.jp/

Specifications are subject to change without notice.
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