

TOA PROFESSIONAL SOUND SYSTEMS

Powered Monitor Speaker

SM-25A



GENERAL DESCRIPTION

The SM-25A is designed as a "powered" personal monitor speaker system, with a built-in 25 watts power amplifier, and one each of a 2-inch tweeter and 5-inch woofer. An automatic compression circuit provides maximum headroom while insuring the reliability of the speaker components. The SM-25A features a slide volume control on the front panel for conveniently setting output level, a headphone monitoring jack,

and bridging connectors for daisy chaining additional speaker systems. A unique bracket allows the SM-25A to be mounted on walls, mic stands, and mic stand and cymbal stand shafts. The cast aluminum enclosure is rugged enough to withstand even the roughest handling. The SM-25A is a unique speaker system, featuring high performance, flexibility, and reliability in a rugged and compact package.

FEATURES

1. Built-in 25 watt power amplifier
2. Automatic compression circuit
3. Slide volume control
4. Head phone monitoring jack
5. Unique bracket

SPECIFICATIONS

Enclosure:	Sealed type	Input sensitivity:	-20dB or +40dB, switchable (0dB=0.775V RMS)
Speakers:	2 way speaker of 12 cm (5") and 5cm (2")	Input Terminal:	Phone jack
Sound Pressure Level:	88 dB (1W/1m)	Bridge Terminal:	Phone jack
Frequency Response:	90Hz—20kHz	Finish:	
Amplifier:		Front Panel:	Metal Punching Net
Power:	AC mains	Body:	Cast Aluminum (Black)
Power consumption:	30W	Weight:	(6.3kg) 13.9 lbs.
Rated Output Power:	25W	Dimensions:	325(W)X170(H)X140(D) mm 12.8"(W)X6.7"(H)X5.5"(D)
Rated Output Power:	25W		
Input Impedance:	8k-ohm, balanced (at -20dB set) 40k-ohm, balanced (at +4dB set)		

*Specifications are subject to change without notice.

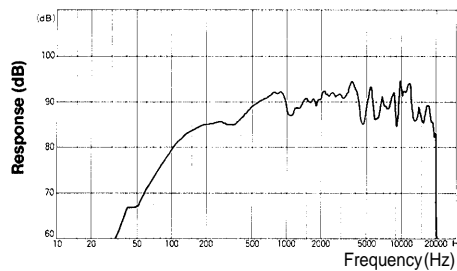
ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The speaker system shall be a "powered" personal monitor speaker system, with a built-in 25 watts power amplifier, and one each of a 2-inch (5 cm) tweeter and 5-inch (12 cm) woofer. An automatic compression circuit shall provide maximum headroom while insuring the reliability of the speaker components. The speaker system shall provide for a slide volume control on the front panel for conveniently setting output level, a headphone monitoring jack, and bridge connectors for daisy chaining additional speaker systems. A unique bracket shall allow the speaker system to be mounted on walls, mic stands, and mic stand and cymbal

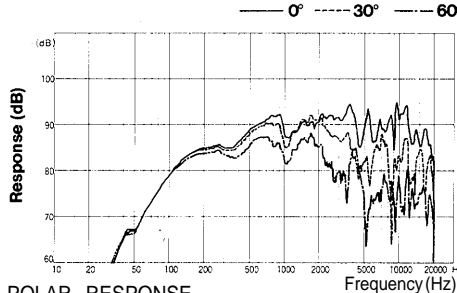
stand shafts. The cast aluminum enclosure is rugged enough to withstand even the roughest handling. In addition to the various specifications stated above, the speaker system shall meet the following overall performance and specifications criteria: sound pressure level of 88dB (1W/1m); frequency response of 90Hz to 20kHz; rated output power of 25W; front grill of black metal punching net; dimensions of 6.7" (170 mm) high, 12.8" (325 mm) wide, 5.5" (140 mm) deep; weight of 13.9 lbs (6.3 kg). The speaker system shall be a TOA Model SM-25A.

CHARACTERISTIC DIAGRAMS

FREQUENCY RESPONSE (1W/1m)

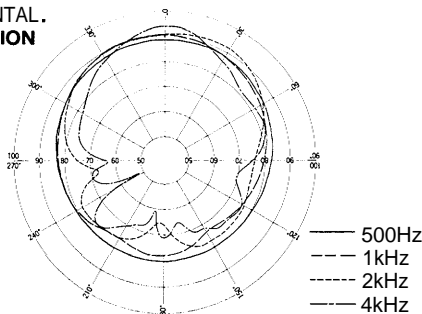


DIRECTIONAL FREQUENCY RESPONSE (1W/1m)



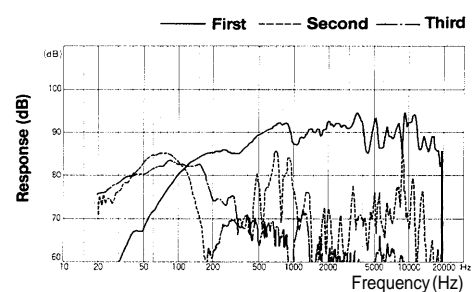
POLAR RESPONSE

HORIZONTAL DISPERSION

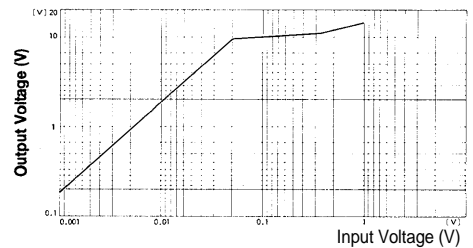


SCALE IS 10dB PER DIVISION.

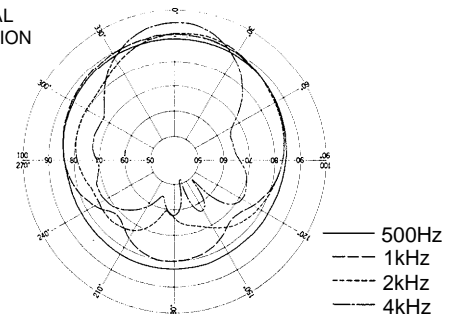
HARMONIC DISTORTION (1 W/1m)



POWER AMP COMPRESSOR



VERTICAL DISPERSION



SCALE IS 10dB PER DIVISION.

