

PROFESSIONAL SOUND SYSTEM



Speaker System

Model 380-SE



GENERAL DESCRIPTION

The TOA 380-SE is a 3-way loudspeaker system specifically developed for the reproduction of electronic music. Analog and digital keyboard synthesizers, drum machines, and guitar synths require a speaker system with a wide frequency response, high power capacity and the ability to handle the extreme dynamic range these instruments produce. The TOA 380-SE was designed to meet these stringent requirements.

The system consists of a bass reflex enclosure housing a heavy duty 15-inch woofer, a high-efficiency compression driver coupled to a constant directivity horn, and an exponential horn tweeter. The constant directivity horn ensures a uniform dispersion pattern of 90 degrees horizontal and 40 degrees vertical, while the tweeter delivers an even response to 20kHz. This combination results in a smoothness and clarity that prevents "ear fatigue" even at a high volume levels. The system is rated at 360 watts continuous program material.

The rear panel provides $\frac{1}{4}$ " phone jack inputs for full-range, biamp, triamp operation. All inputs have parallel bridging jacks for chaining multiple speakers. The mid- and high-frequency level controls are recessed and located on the side of the cabinet near the front for convenient operation.

The wooden enclosure is sturdily constructed, and equipped with large side-mounted handles for easy transport. Interlocking protective corners allow stacking of multiple speakers, and the polyester finish resists scratches. A removable black jersey grillecloth completes the high tech look of the 380-SE.

FEATURES

1. Extended frequency response for accurate reproduction of electronic music
2. Power capacity of 360 watts continuous gives wide dynamic range
3. Constant directivity horn gives coverage of 90 degrees horizontal by 40 degrees vertical
4. Exponential horn tweeter for clarity smoothness, reduced "ear fatigue"
5. Level controls recessed and located on side of cabinet for added convenience.
6. Additional $\frac{1}{4}$ phone jacks for biamp, triamp, and chaining
7. Rugged enclosure finished in scratch-resistant polyester with handles, interlocking corners

Specifications

Enclosure:

Vented (bass reflex) type

Speakers:

Low Frequency, 15" woofer

Mid Frequency, CD Horn plus compression driver

High Frequency, Horn tweeter

Power Handling Capacity

Continuous Pink Noise:

120 watts RMS of band-limited pink noise
(50 Hz~20 kHz)

Continuous Program:

360 watts

Impedance:

8 ohms

Sensitivity:

102 dB (1W/1m)

Frequency Response:

50 Hz~20 kHz

Crossover Frequencies:

800 Hz, 8 kHz

High and Mid Frequencies Level Controls:

0~ -10 dB (with an "OFF" position)

Input Terminals:

¼" Phone jacks for a full-range, biamp, triamp and chaining

Finish (Enclosure):

Polyester in grey color

Dimensions:

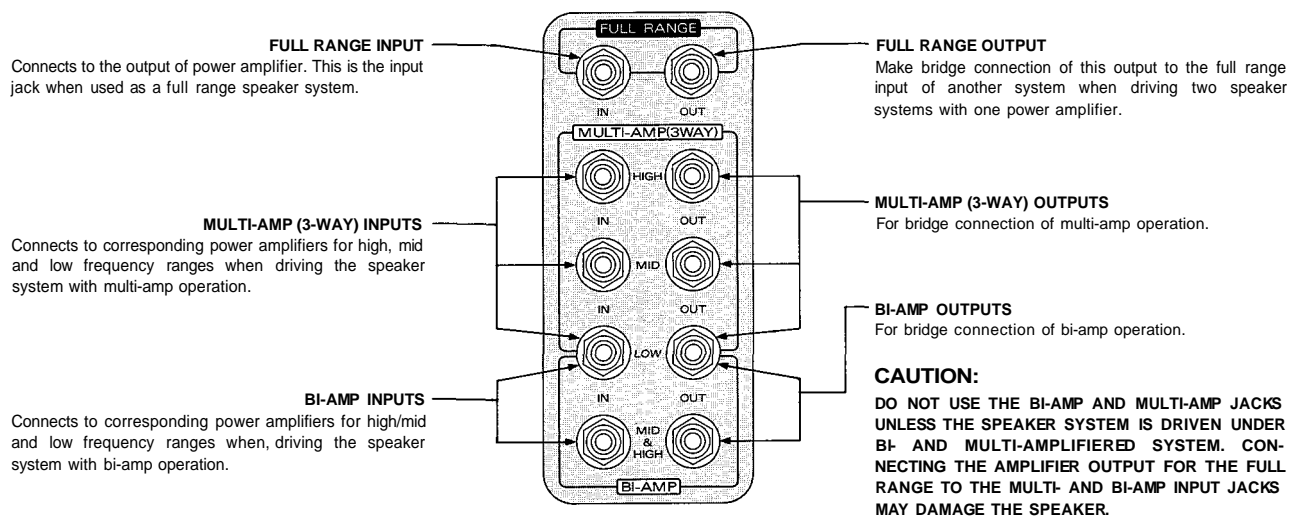
758(H)X498(W)X410(D)-mm

29.8(H)X19.6(W)X16.1(D) inches

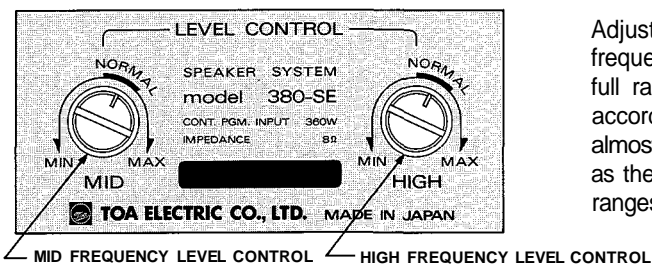
Weight:

36 kg (79.2 lbs)

Input Panel

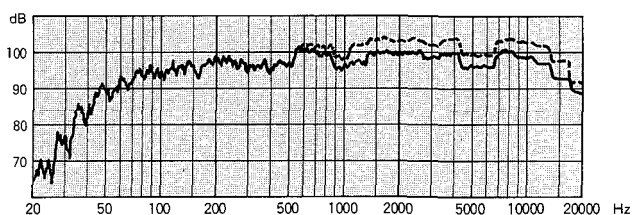


Level Controls



Adjusts the sound level of the mid and high frequencies when driving the speaker system as a full range speaker system. Make the level setting according to the environmental conditions, although almost flat frequency response is obtainable so far as the level controls remain within the "NORMAL" ranges.

Frequency Response (1W/1m: Swept 1/3 Octave Pink Noise)



— : Mid & high level controls at NORMAL position
--- : Mid & high level controls at MAX position