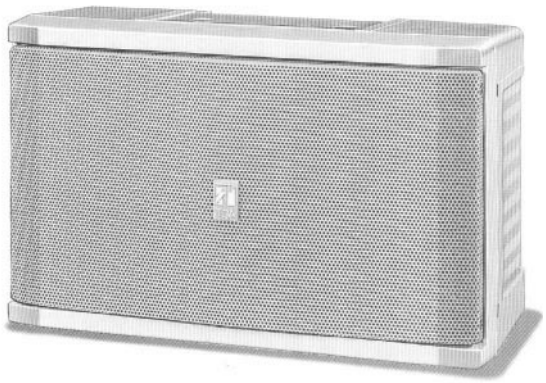
TOA SPEAKER SYSTEM

2-WAY BASS REFLEX SPEAKER

F-505W/F-505G



F-505W



F-505G

DESCRIPTION

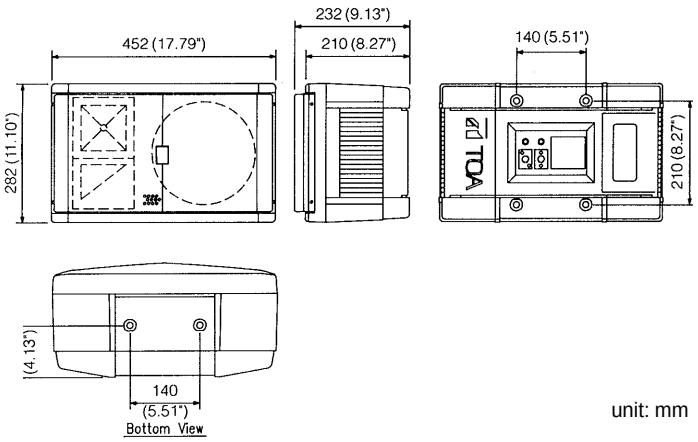
The TOA F-505W and F-505G are 2-way speaker systems with bass-reflex enclosures, housing a high-power 20cm (7.9”) woofer, and a constant directivity (CD) horn with a high-efficiency driver. The CD horn assures a uniform, well-controlled disperson pattern of 60° horizontal by 40° vertical within its specified frequency range. An extremely durable low-foam polypropylene resin enclosure provides superb acoustic characteristics. The F-505W and F-505G are designed for optimal efficiency, wide frequency response and lasting durability. And because of their convenient mobility and ease of installation, the F-505W and F-505G are well suited to a variety of applications. They are ideal for use as sound reinforcement equipment, and in live performance and recorded music systems where emphasis is placed on accurate sound reproduction and durability of equipment.

FEATURES

1. Extended frequency response provides smooth sound at all ranges.
2. High, 240 watts continuous program material power capacity.
3. 2-way bass-reflex speaker system.
4. Constant directivity horn with extremely well-controlled dispersion coverage pattern.
5. Highly efficient low-foam polypropylene resin compound enclosure with superb acoustic characteristics and durability.
6. Built-in overload protection circuitry.
7. Input panel with two push-in terminals and 1/4” phone jacks internally connected in parallel.
8. 1/4” phone jacks can be converted into XLR connectors.
9. Optional mounting brackets provide ease of installation.

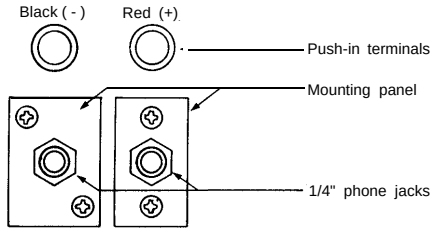
TOA

APPEARANCE AND DIMENSIONAL DIAGRAM



unit: mm

INPUT PANEL



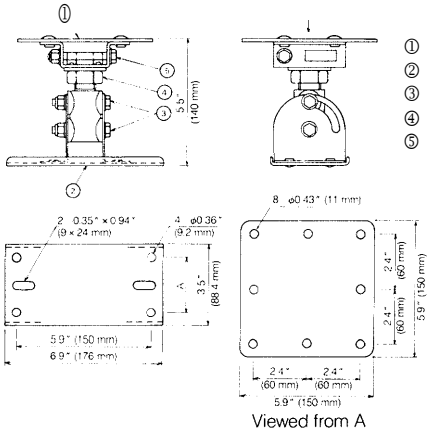
Push-in terminals and phone jacks (2 each) are all internally connected in parallel with each other. Two 1/4" phone jacks can be converted into XLR connectors by removing mounting panel and installing XLR connector.

PROTECTION CIRCUITRY

These speakers have individual protection circuitries that protect the woofer and the tweeter from the excessive input. (If the circuitry is activated, the input power to the woofer attenuates by 15 dB, with the tweeter cut off.)

OPTIONS

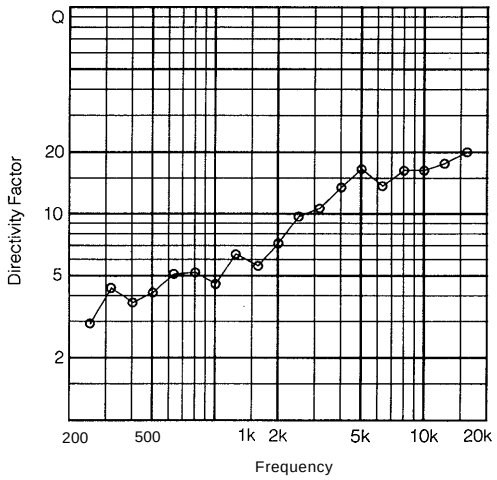
Ceiling Mount Bracket
HY-30 (Black)/HY-30W (Ivory)
*Mounting angle is adjustable 360° horizontal and ±20° vertical.



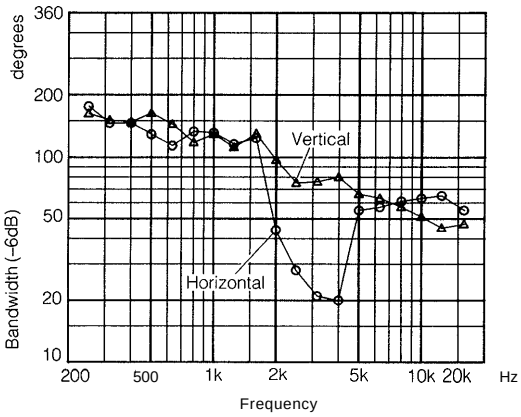
① Ceiling Mount Bracket
② Speaker Mount Bracket
③ Vertical Adjustment Bolts
④ Horizontal Adjustment Nut
⑤ Safety Bolt

CHARACTERISTIC DIAGRAMS

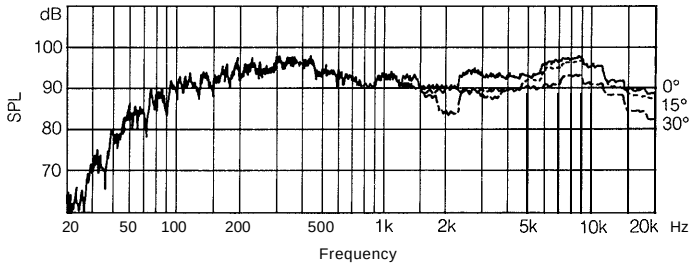
Directivity Factor vs Frequency



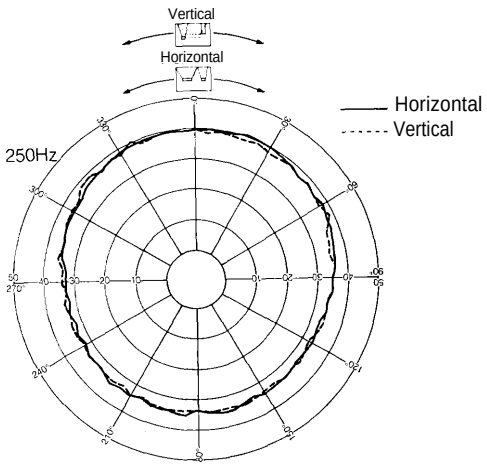
Bandwidth vs Frequency

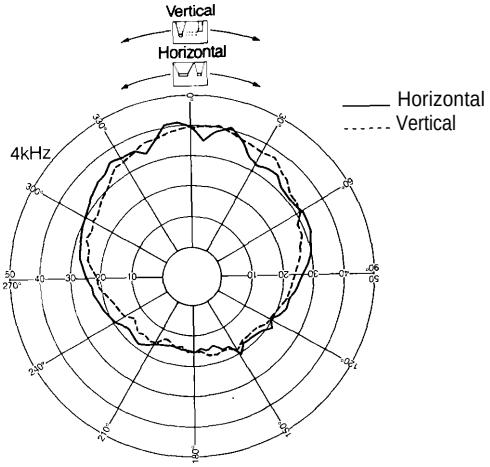


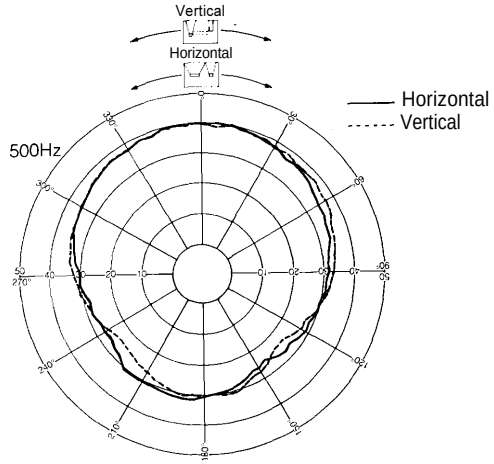
Frequency Response (1W/1m: 1/3 Octave Pink Noise)

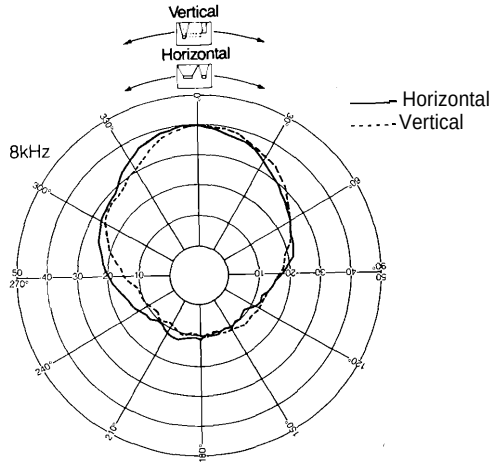


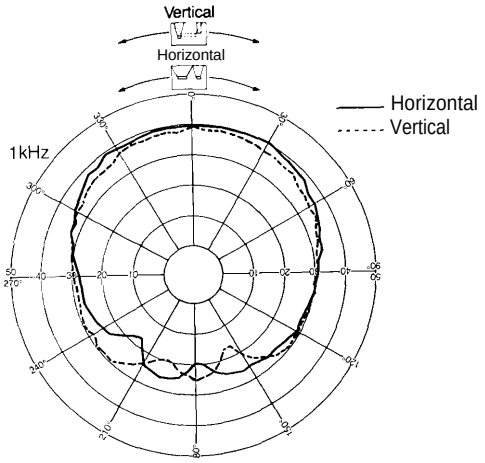
Polar Response

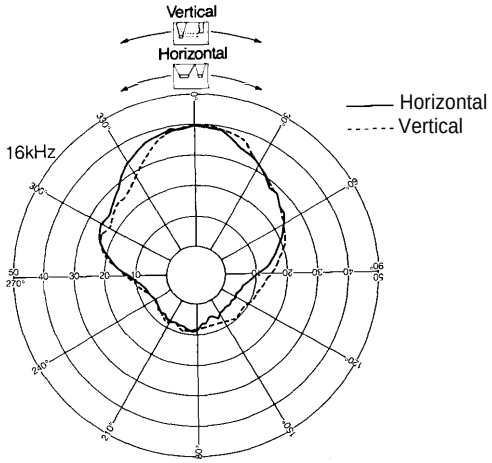


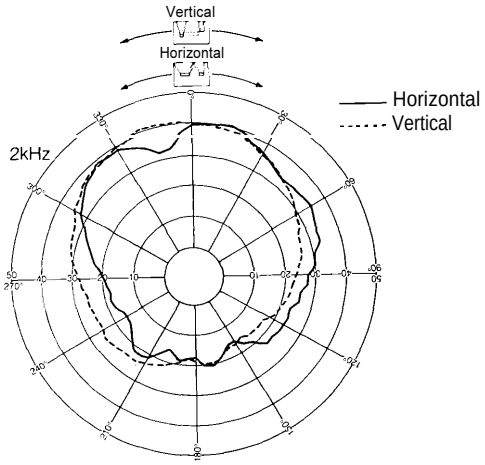












(1W/2m: 1/3 Octave Pink Noise)

SPECIFICATIONS

Enclosure Type	Vented (bass-reflex) type
Speakers	
Low Frequency	20cm (8") woofer
High Frequency	CD horn plus compression driver
Power Handling Capacity	
Continuous Pink Noise	80 watts RMS of band-limited pink noise (40Hz -- 20kHz, 24hrs)
Continuous Program	240 watts
Instantaneous Peak	800 watts
Nominal Impedance	8 ohms
Sensitivity	93dB (1W/1m, band-limited pink noise, 230Hz -- 2.5kHz)
Frequency Response	70Hz -- 20kHz
Box Tuning Frequency	70Hz

Crossover Frequency	3kHz
Crossover Slope	12dB/Oct (woofer); 18dB/Oct (tweeter)
Input Terminals	Two 1/4" phone jacks and push-type, both for full-range
Enclosure Materials	Low-foam polypropylene
Color	F-505G: Gray F-505W: Ivory
Dimensions	282(W) x 452(H) x 231(D)mm 11.1(W) x 17.8(H) x 9.1(D) inches
Weight	7.5kg (16.5 lb.)
Accessories	HY-30 Ceiling mount bracket (Black) HY-30W Ceiling mount bracket (Ivory)

*Specifications are subject to change without notice

TOA

TOA Corporation

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