

# CORAL

NATURALLY BEAUTIFUL

# SPEAKER- COMPONENTS.

Speaker systems. Speaker units. Stereo headphones. Stereo cartridges.  
Speaker system kits. Enclosure kits.  
Option parts.



CORAL AUDIO CORPORATION



**30cm (12") 3-WAY  
3-SPEAKER SYSTEM**

## CX-77

• Type Bass-reflex Speakers 30cm (12") woofer, 5cm (2") titanium dome squawker, 2cm (3/4") hard dome tweeter • Impedance 8Ω • Program source input 80W • Frequency response 30~40,000Hz • Output sound pressure level 94dB • Crossover frequency 700Hz, 7,000Hz • Dimensions 390mm (15 3/8")W x 650mm (25 9/16")H x 320mm (12 5/8")D • Weight 22kg (48.4 lbs) Finish UVD coating



**30cm (12") 3-WAY  
3-SPEAKER SYSTEM**

## CX-7A

• Type Air tight • Speakers 30cm (12") woofer, soft dome squawker, hard dome super tweeter • Impedance 8Ω • Program source input 80W • Frequency response 35~40,000Hz • Output sound pressure level 93dB • Crossover frequency 1,500Hz, 8,000Hz • Dimensions 350mm (13 13/16")W x 580mm (22 13/16")H x 314mm (12 6/16")D • Weight 17kg (37.4 lbs) Finish Rose-wood

## CX-7 MARK II

Model	Finish	Grille
WS	Walnut	See through
WC	Walnut	Cloth
BS	Black	See through
BC	Black	Cloth



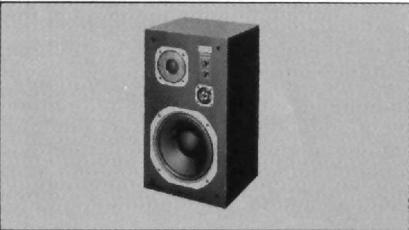
**25cm (10") 3-WAY  
3-SPEAKER SYSTEM**

## CX-5A

• Type Air tight • Speakers 25cm (10") woofer, 5cm (2") dome squawker, 1.7cm (11/16") dome tweeter • Impedance 8Ω • Program source input 60W • Frequency response 40~25,000Hz • Output sound pressure level 92dB • Crossover frequency 900Hz, 7,000Hz • Dimensions 325mm (12 13/16")W x 560mm (22 1/16")H x 400mm (12 7/16")D • Weight 15kg (33 lbs) • Finish Royal cherry

## CX-5 MARK II

Model	Finish	Grille
WS	Walnut	See through
WC	Walnut	Cloth
BS	Black	See through
BC	Black	Cloth



**20cm (8") 2-WAY  
2-SPEAKER SYSTEM**

## CX-3

• Type Special bass-reflex • Speakers 20cm (8") woofer, 6.5cm (2 9/16") cone tweeter • Impedance 8Ω • Program source input 50W • Frequency response 35~20,000Hz • Output sound pressure level 92dB • Crossover frequency 2,500Hz • Dimensions 320mm (12 5/8")W x 620mm (24 7/16")H x 400mm (15 6/18")D • Weight 21kg (46.2 lbs) • Finish Urethan metallic



## CX-3B

• Finish Black



**30cm (12") 3-WAY  
6-SPEAKER SYSTEM**

## BX-5000

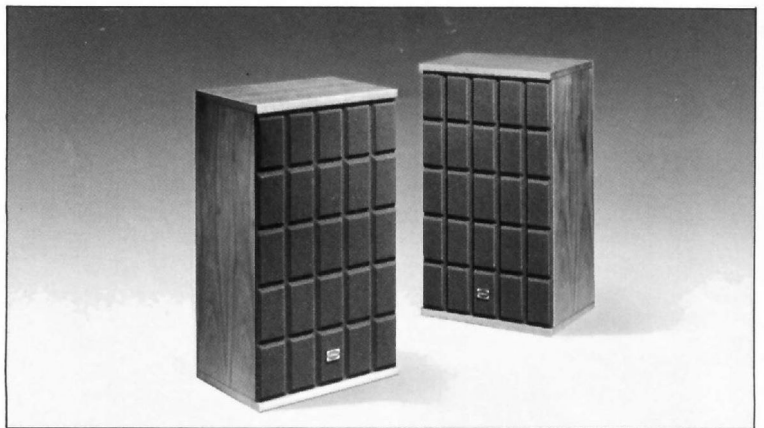
• Type Bass-reflex • Speakers two 30cm (12") woofers, two 16cm (6-1/2") cone squawkers and two horn tweeters • Impedance 8Ω • Program source input 200W • Frequency response 25~22,000Hz • Output sound pressure level 95dB • Crossover frequency 800Hz, 6500Hz • Dimensions 879mm (34 5/8")W x 717mm (28-1/4")H x 450mm (17 3/4") • Weight 55kg (121.5 lbs) • Others with caster wheels • Finish Walnut



**30cm (12") 5-WAY  
6-SPEAKER SYSTEM**

## BX-1201

• Type Bass-reflex • Speakers 30cm (12") woofer, 16cm (6 1/2") & 12cm (5") cone squawker 9cm (3 1/2") cone tweeter, 2 Horn tweeters • Impedance 8Ω • Program source input 100W • Frequency response 30~25,000Hz • Output sound pressure level 96 dB • Crossover frequency 800Hz, 1,000Hz, 5,000Hz, 7,000Hz • Dimensions 647mm (25 1/2")H x 367mm (14 7/16")W x 290mm (11 3/8")D • Weight 20kg (44 lbs)



**30cm (12") 3-WAY  
4-SPEAKER SYSTEM**

## BX-1105S

• Type Closed type • Speakers 30cm (12") woofer, 12cm (5") cone squawker, two 6.5cm (2 1/2") cone tweeters • Impedance 8Ω • Program source input 60W • Frequency response 35~25,000Hz • Output sound pressure level 96dB • Crossover frequency 2,000Hz, 10,000Hz • Dimensions 355mm (14")W x 620mm (24-7/16")H x 290mm (11-7/16")D • Weight 14.5kg (31.9 lbs)

**20cm (8") 3-WAY  
3-SPEAKER SYSTEM**

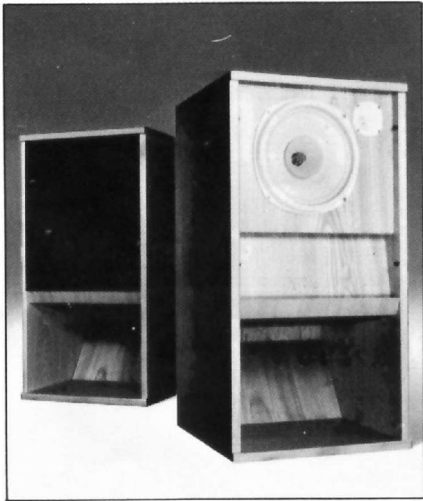
## BX-805S

• Type Bass-reflex • Speakers 20cm (8") woofer, 10cm (4") cone squawker, 6.5cm (2-1/2") cone tweeter • Impedance 8Ω • Program source input 35W • Frequency response 40~22,000Hz • Output sound pressure level 94dB • Crossover frequency 4,000Hz, 8,000Hz • Dimensions 468mm (18 7/16")H x 294mm (11 5/8")W x 255mm (10")D • Weight 8.1kg (17.8 lbs)

**25cm (10") 3-WAY  
3-SPEAKER SYSTEM**

## BX-1005S

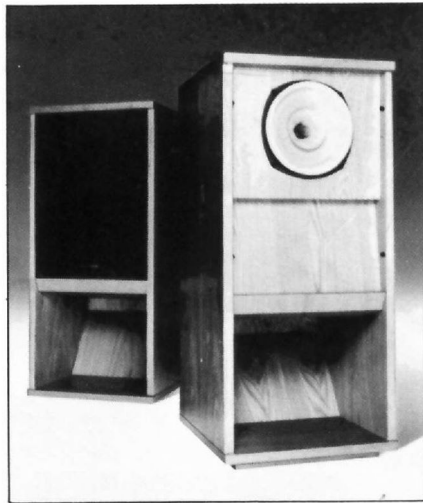
• Type Bass-reflex • Speakers 25cm (10") woofer, 10cm (4") cone squawker, 6.5cm (2 1/2") cone tweeter • Impedance 8Ω • Program source input 50W • Frequency response 35~25,000Hz • Output sound pressure level 96dB • Crossover frequency 4,000Hz, 8,000Hz • Dimensions 330mm (13")W x 540mm (21 1/4")H x 255mm (10")D • Weight 9.8kg (21.6 lbs)



**BACK LOADING HORN SPEAKER SYSTEM**

**BL-25D**

• Type Constant wide back loading horn • Speakers BETA 10 25cm (10") full range, H 24 horn type • Impedance 8Ω • Program source input 40W • Output sound pressure level 101dB • Crossover frequency 6,000Hz • Dimensions 450mm (17 3/4")W x 880mm (34-11/16")H x 440mm (17-3/8")D • Weight 36kg (79.2 lbs)



**BACK LOADING HORN SPEAKER SYSTEM**

**BL-20D**

• Type Constant wide back loading horn • Speakers BETA 8 20cm (8") full range • Impedance 8Ω • Program source input 30W • Output sound pressure level 100dB • Dimensions 400mm (15 3/4")W x 880mm (34 11/16")H x 400mm (15 3/4")D • Weight 30.5kg (67.1 lbs)



**25cm (10") FULL RANGE SPEAKER SYSTEM**

**FX-10**

• Type Bass-reflex • Speaker 10F-60 25cm (10") full range • Impedance 8Ω • Program source input 60W • Frequency response 40~20,000Hz • Output sound pressure level 94dB • Dimensions 390mm (15-3/8")W x 890mm (35-1/16")H x 325mm (12 13/16")D • Weight 26kg (57.2 lbs)

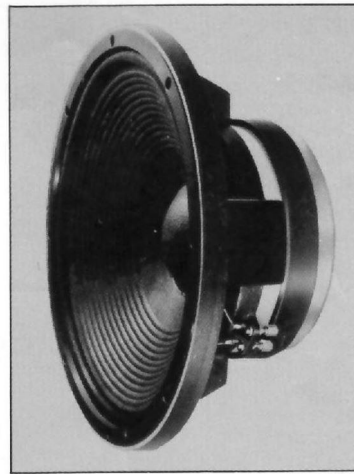


**38cm (15") 3-WAY 3-SPEAKER SYSTEM**

**X-15**

• COMPONENTS USED 38cm (15") Woofer, 15L 100, Driver Unit, M-100, Straight Horn, AH-503, Acoustic Lens, AL 603, Horn Tweeter, H-100, Tweeter Mounting Flange, AD-3, Dividing Network, NW 800 & NW-7,000, Attenuator (2 pcs.), type, AT-100

• Response 30 ~ 30,000 Hz • Impedance 8 ohm • Power Handling Capacity 150W (Music Program), 75W (RMS) • Sound Pressure Level 97 dB • Crossover Frequency 800 Hz, 7,000 Hz • Enclosure type Bass-reflex • Dimension 590 mm (23-1/4") W x 850 mm (33 1/2") H x 590 mm (23 1/4") D • Weight 77 Kg (169.4 lbs) • Finish Walnut



**38cm (15") WOOFER**

**15L-100**

• Impedance 8 or 16Ω • Program source input 150W • Frequency response fo~1,500Hz • Lowest resonance frequency 25Hz • Total magnetic flux 532,000 Maxwell • Weight 15.3kg (33.66 lbs)



**170L BASS-REFLEX ENCLOSURE**

(One unit with Saran net and speaker stand)

**B-170**

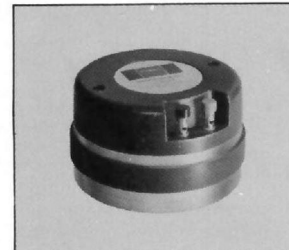
• Applicable unit: 15L-100 • Main material: Oregon pine plywood • Input circuit: Two systems equipped with independent terminals • Dimension: 600mm (23-5/8")W x 1,000mm (39-1/2")H x 525mm (20-11/16")D • Weight: 34kg (74.8 lbs) without speaker stand



**DRIVER UNIT**

**M-100**

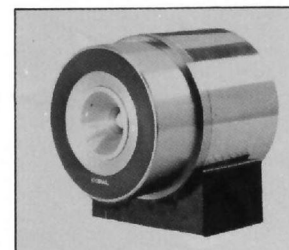
• Impedance: 8 or 16Ω • Program source input: 150W • Rated input: 50W r.m.s. • Frequency response: 500Hz~18,000Hz • Output sound pressure level (When mounted on AH-500): 105dB • Magnetic flux density: 19,000 gauss • Magnet: NKS-SDG 1kg (2.2 lbs) • Throat dia: 25.4mmφ (1") • Dimensions: 116mmφ (4-9/16") x 104mm (4-1/8")D • Weight 4.2kg (9.24 lbs)



**DRIVER UNIT**

**M-103**

• Impedance 8 or 16Ω • Program source input 100W • Rated input: 30W r.m.s. • Frequency response: 500Hz~18,000Hz • Output sound pressure level (When mounted on AH-501) 104dB • Magnetic flux density: 18,000 gauss • Throat dia: 25.4mmφ (1") • Dimensions 120mmφ (4-3/4") x 74mm (2-15/16")D • Weight 3.3kg (7.26 lbs)



**HORN TWEETER**

**H-100**

• Impedance: 8Ω • Program source input: 30W • Frequency response: 7,000Hz~30,000Hz • Output sound pressure level: 110dB • Magnetic flux density 19,500 gauss • Voice coil diameter 18mmφ (7/8") • Dimensions 98mmφ (3-7/8") x 115mm (4 1/2")D • Weight 3.8kg (8.36 lbs)



**SECTORAL HORN**

**AH-500**

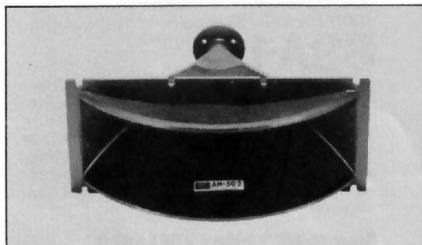
• Flare cut 250Hz • Dispersion angles 90° horizontal, 40° vertical • Dimensions: 750mm (29-1/2")W x 180mm (7-1/16")H x 581mm (22-7/8")D • Weight about 15kg (33 lbs)



**SECTORAL HORN**

**AH-501**

• Flare cut 350Hz • Dispersion angles 90° horizontal, 40° vertical • Dimensions: 550mm (21-5/8")W x 184mm (7-2/8")H x 390mm (15-3/8")D • Weight about 8.6kg (18.92 lbs)



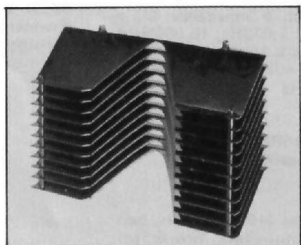
**SECTORAL HORN  
AH-502**

• Flare cut: 400Hz • Dispersion angles. 90° horizontal, 40° vertical • Dimensions: 436mm (17-3/4")W x 183mm (7-3/16")H x 324mm (12-3/4")D • Weight: about 5.5kg (12.1 lbs)



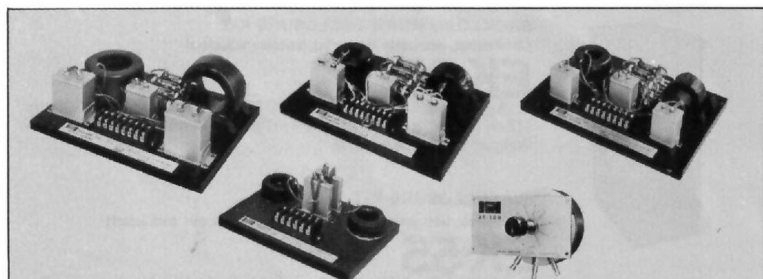
**STRAIGHT HORN  
AH-503**

• Optimum crossover. 800Hz • Dimensions. 158mmφ (6-1/4") x 220mm (8-5/8")D



**ACOUSTIC LENS KIT (one pair)  
AL-603**

• Dispersion angles. 80° horizontal, 45° vertical • Effective frequency Over 2,500Hz • Applicable horn throat dia: 100mmφ (3-15/16") • Dimensions 245mm (9-5/8")W x 168mm (6-5/8")H x 72mm (2-13/16")D • Weight: 650g (1.43 lbs)



**2-WAY DIVIDING NETWORK NW-500**

• Impedance: 8Ω • Max. input: 200W • Crossover: 500Hz • Damping: 12dB/oct • Dimensions: 310mm (12-3/16")W x 115mm (4-1/2")H x 220mm (8-5/8")D • Weight: 4.1kg (9.02 lbs)

\* May be used in combination with the NW-7000 to form a 3-way system.

**2-WAY DIVIDING NETWORK NW-800**

• Impedance: 8Ω • Max. input: 200W • Crossover: 800Hz • Damping: 12dB/oct • Dimensions: 310mm (12-3/16")W x 110mm (4-1/2")H x 220mm (8-5/8")D • Weight: 4.1kg (9.02 lbs)

**2-WAY DIVIDING NETWORK NW-1200**

• Impedance: 8Ω • Max. input: 200W • Crossover: 1,200 Hz • Damping: 12 dB/oct • Dimensions: 310 mm (12-3/16") W x 90 mm (3-9/16") H x 220 mm (8-5/8") D • Weight: 2.65 Kg (5.83 lbs)

**2-WAY DIVIDING NETWORK NW-7000**

• Impedance: 8Ω • Max. input: 200W • Crossover: 7,000Hz • Damping: 12dB/oct • Dimensions: 220mm (8-5/8")W x 87mm (3-7/16")H x 150mm (5-7/8")D • Weight: 1kg (2.2 lbs)

**LEVEL CONTROLLER AT-100**

• Impedance: 8Ω • Max. input: 100W • Swing angle: 300° • Mounting hole dia: 9mmφ



**AD-1  
HORN ADAPTOR**

• Used for mounting 511B or 811B ALTEC horn on the M-100 or M-103.



**AD-2  
HORN ADAPTOR**

• Used for mounting a self-made horn to M-100 or M-103



**AD-3  
MOUNTING FLANGE**

• Used for mounting the H-100 horn to an enclosure



**BS-4  
HORN STAND**

• Supports the neck of sectoral horn • Base dimensions: 120mm (4-3/4") x 60mm (2-3/8")



**25cm (10") FULL RANGE SPEAKER**

**10F-60**

• Impedance: 8Ω • Program source input: 60W • Frequency response. fo~20,000Hz • Lowest resonance frequency. 30Hz • Output sound pressure level: 94dB • Total magnetic flux. 210,000 maxwell • Weight: 6.8kg (14.96 lbs)



**20cm (8") FULL RANGE SPEAKER**

**8F-60**

• Impedance 6Ω • Program source input: 40W • Frequency response fo~20,000Hz • Lowest resonance frequency 35Hz • Output sound pressure level: 93dB • Total magnetic flux: 175,000 maxwell • Weight: 5.2kg (11.44 lbs)



**16cm (6-1/2") FULL RANGE SPEAKER**

**6F-60**

• Impedance 8Ω • Program source input: 35W • Frequency response fo~20,000Hz • Lowest resonance frequency 45Hz • Output sound pressure level: 90dB • Total magnetic flux 170,000 maxwell • Weight: 3.1kg (6.82 lbs)



**25cm (10") FULL RANGE SPEAKER**

**BETA-10**

• Impedance. 8Ω • Program source input. 40W • Frequency response. 25~20,000Hz • Lowest resonance frequency 25~40Hz • Output sound pressure level. 97dB • Magnetic flux density. 15,500 gauss • Weight 4.6kg (10.12 lbs)



**20cm (8") FULL RANGE SPEAKER**

**BETA-8**

• Impedance 8Ω • Program source input. 35W • Frequency response. 30~20,000Hz • Lowest resonance frequency 30~45Hz • Output sound pressure level 95dB • Magnetic flux density. 15,500 gauss • Weight 3.3kg (7.26 lbs)



**16cm (6-1/2") FULL RANGE SPEAKER**

**BETA-6**

• Impedance 8Ω • Program source input: 30W • Frequency response 40~20,000Hz • Lowest resonance frequency 40~60Hz • Output sound pressure level 93dB • Magnetic flux density 12,300 gauss • Weight 1.42kg (3.13 lbs)



**25cm (10") FULL RANGE SPEAKER**

**FLAT-10II**

• Impedance 8Ω • Program source input: 55W • Frequency response fo~20,000Hz • Lowest resonance frequency 35Hz • Output sound pressure level: 96dB • Magnetic flux density 12,000 gauss • Weight 2.8kg (6.16 lbs)



**20cm (8") FULL RANGE SPEAKER**

**FLAT-8II**

• Impedance. 8Ω • Program source input. 35W • Frequency response. fo~20,000Hz • Lowest resonance frequency 40Hz • Output sound pressure level. 95dB • Magnetic flux density 12,000 gauss • Weight 2kg (4.4 lbs)



**16cm (6-1/2") FULL RANGE SPEAKER**

**FLAT-6II**

• Impedance 8Ω • Program source input 30W • Frequency response fo~20,000Hz • Lowest resonance frequency 45Hz • Output sound pressure level 92dB • Magnetic flux density 11,000 gauss • Weight 1.4kg (3.08 lbs)



12cm (5") FULL RANGE SPEAKER

### FLAT-5II

• Impedance: 8Ω • Program source input 20W • Frequency response: fo~18,000Hz • Lowest resonance frequency: 70Hz • Output sound pressure level 91dB • Magnetic flux density 11,000 gauss • Weight 0.75kg (1.65 lbs)



30cm (12") FULL RANGE SPEAKER

### 12A-66

• Impedance 8Ω • Program source input 30W • Frequency response 40~18,000Hz • Lowest resonance frequency 40Hz • Output sound pressure level 97dB • Total magnetic flux 149,000 Maxwell • Weight 3.14kg (6.308 lbs)



30cm (12") FULL RANGE SPEAKER

### 12A-55

• Impedance 8Ω • Program source input 30W • Frequency response 40~18,000Hz • Lowest resonance frequency 40Hz • Output sound pressure level 94dB • Total magnetic flux 98,000 Maxwell • Weight 2.04kg (4.488 lbs)



25cm (10") COAXIAL FULL RANGE SPEAKER

### 10CX-501

• Impedance 8Ω • Program source input 25W • Frequency response 25~20,000Hz • Lowest resonance frequency 25~40Hz • Output sound pressure level 96dB • Total magnetic flux 165,000 maxwell • Weight 4.5kg (9.9 lbs)



20cm (8") COAXIAL FULL RANGE SPEAKER

### 8CX-501

• Impedance 8Ω • Program source input 20W • Frequency response 30~25,000Hz • Lowest resonance frequency 30~45Hz • Output sound pressure level 94dB • Total magnetic flux 135,000 maxwell • Weight 3.1kg (6.82 lbs)



16cm (6-1/2") COAXIAL FULL RANGE SPEAKER

### 6CX-501

• Impedance 8Ω • Program source input 15W • Frequency response 40~25,000Hz • Lowest resonance frequency 40~60Hz • Output sound pressure level 92dB • Total magnetic flux 65,000 maxwell • Weight 1.12kg (2.462 lbs)



10cm (4") FULL RANGE SPEAKER

### 4A-60

• Impedance 8 or 16Ω • Program source input 16W • Frequency response fo~18,000Hz • Lowest resonance frequency 80Hz • Output sound pressure level 91dB • Total magnetic flux 51,100 maxwell • Weight 560g (1.232 lbs)

## WOOFER UNITS



38cm (15") WOOFER

### 15L-2

• Impedance 8Ω • Program source input 25W • Frequency response fo~2,500Hz • Lowest resonance frequency 35Hz • Output sound pressure level 99dB • Total magnetic flux 30,000 maxwell • Weight 7.5kg (16.5 lbs)



30cm (12") WOOFER

### 12L-1

• Impedance 8Ω • Program source input 25W • Frequency response fo~2,500Hz • Lowest resonance frequency 40Hz • Output sound pressure level 100dB • Total magnetic flux 300,000 maxwell • Weight 6.8kg (14.96 lbs)



30cm (12") WOOFER

### 12L-60

• Impedance 8Ω • Program source input 80W • Frequency response fo~2,500Hz • Lowest resonance frequency 27Hz • Output sound pressure level 95dB • Total magnetic flux 268,000 maxwell • Weight 6.5kg (14.3 lbs)

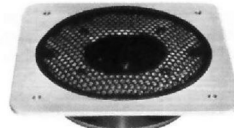


25cm (10") WOOFER

### 10L-60

• Impedance 8Ω • Program source input 60W • Frequency response fo~5,000Hz • Lowest resonance frequency 28Hz • Output sound pressure level 94dB • Total magnetic flux 160,000 maxwell • Weight 4.5kg (9.9 lbs)

## SQUAWKERS



DOME SQUAWKER

### MD-60

• Impedance 8Ω • Program source input 50W • Frequency response 1,500~15,000Hz • Crossover frequency Over 1,500Hz (12dB/oct) • Output sound pressure level 94dB • Magnetic flux density 13,000 gauss • Weight 1.2kg (2.64 lbs)



DOME SQUAWKER

### MD-4

• Impedance 8Ω • Program source input 60W • Frequency response 650 ~ 10,000Hz • Crossover frequency Over 650Hz (12 dB/oct) • Output sound pressure level 93 dB • Magnetic flux density 16,500 gauss • Weight 1.65 Kg (3.63 lbs)



DOME SQUAWKER

### H-25

• Impedance 8Ω • Program source input 20W • Frequency response 2,500~15,000 Hz • Crossover frequency Over 2,500 Hz (12 dB/oct) • Output sound pressure level 94dB • Magnetic flux density 12,500 gauss • Weight 1.25 Kg (2.75 lbs)

## TWEETER UNITS



HORN TWEETER

### H-1

• Impedance 8Ω • Program source input 20W • Frequency response 1,500~20,000 Hz • Crossover frequency Over 2,500Hz • Output sound pressure level 102dB • Total magnetic flux 50,000 maxwell • Magnetic flux density 17,000 gauss • Weight 1.2kg (2.64 lbs)



HORN TWEETER

### H-50

• Impedance 8Ω • Program source input 15W • Frequency response 2,000~20,000 Hz • Output sound pressure level 102dB • Magnetic flux density 10,000 gauss • Weight 0.8kg (1.76 lbs)



### H-51

• Impedance 8Ω • Program source input 15W • Frequency response 2,000~20,000 Hz • Output sound pressure level 102dB • Magnetic flux density 10,000 gauss • Weight 0.8kg (1.76 lbs)



### HD-60

• Impedance 8Ω • Program source input 50W • Frequency response 8,000~40,000 Hz • Crossover frequency Over 8,000Hz (12dB/oct) • Output sound pressure level 96dB • Magnetic flux density 13,000 gauss • Weight 0.4kg (0.88 lbs)



HORN TWEETER

### H-60

• Impedance 8Ω • Program source input 15W • Frequency response 5,000~22,000 Hz • Crossover Frequency Over 5,000Hz (12dB/oct) • Output sound pressure level 107dB • Magnetic flux density 16,000 gauss • Weight 0.62kg (1.364 lbs)



### H-24A

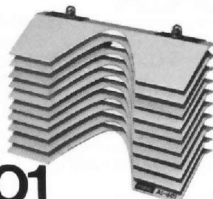
• Impedance 8Ω • Program source input 15W • Frequency response 5,000~22,000 Hz • Crossover Frequency Over 5,000Hz (12dB/oct) • Output sound pressure level 107dB • Magnetic flux density 16,000 gauss • Weight 0.62kg (1.364 lbs)



DOME TWEETER

### MHD-55

• Impedance: 8Ω • Program source input: 50W • Frequency response: 2,000~20,000 Hz • Crossover frequency: Over 2,000Hz (12dB/oct) • Output sound pressure level: 94dB • Magnetic flux density: 14,000 gauss • Weight: 1.0kg (2.2 lbs)



ACOUSTIC LENS KIT (one pair)

### AL-601

• Dispersion angles 80° horizontal, 45° vertical • Applicable horn throat dia 60mmφ (2 3/8") • Dimensions 92mm (3 5/8")H x 130mm (5 1/8")W x 35mm (1 3/8")D • Weight 130g (0.286 lbs)

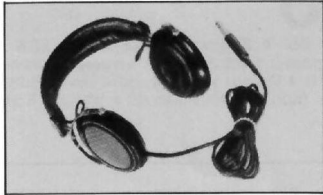


DOME TWEETER

### H-22

• Impedance: 8Ω • Program source input: 50W • Frequency response: 2,000~16,000 Hz • Crossover frequency: Over 4,000Hz (12dB/oct) • Magnetic flux density: 10,000 gauss • Output sound pressure level: 91dB • Total magnetic flux: 48,000 maxwell • Weight: 0.4kg (0.88 lbs)

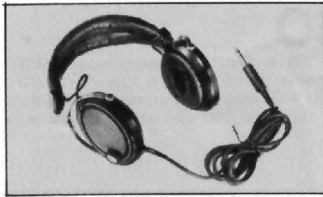
## STEREO HEADPHONES



### STEREO HEADPHONES

## E-80

• Type: High Velocity • Frequency response: 20 ~ 20,000 Hz • Matching impedance: 4 ~ 200Ω • Allowable input: 500 mW • Connecting cord: 2.5m (straight) • Weight: 240g (0.528 lbs) without cord



### STEREO HEADPHONES

## E-80VR

with volume control



### STEREO HEADPHONES

## E-62

• Type: velocity • Frequency response: 20~20,000Hz • Matching impedance: 4~200Ω • Allowable input: 500mW • Connecting cord: 2.5m (straight) • Weight: 220g (0.48 lbs) without cord

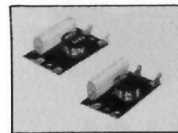


### STEREO HEADPHONES

## E-63

• Type: velocity • Frequency response: 20~20,000Hz • Matching impedance: 4~200Ω • Allowable input: 500mW • Connecting cord: 2.5m (straight) • Weight: 250g (0.55 lbs) without cord

## DIVIDING NETWORKS



### AUDIO FILTER

• AF-2000H AF-3000H AF-4000H AF-5000H AF-6000H AF-7000H  
• AF-8000H • AF-2000L AH-3000L AH-4000L AF-5000L AF-6000L AF-7000L • AF-8000L

Letters at the end of model numbers: "H" stands for high-pass filter, and "L" for low-pass filter.

Numbers indicate cutoff frequencies (12dB/oct)

## LEVEL CONTROLLERS



### LEVEL CONTROLLER

## AT-50

• Impedance: 8Ω • Max. input: 50W • Swing angle: 300°  
• Mounting hole dia: 9mmφ

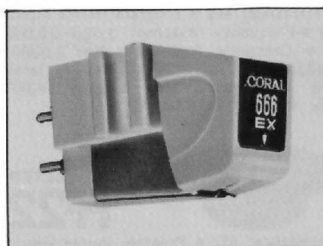


### LEVEL CONTROLLER

## AT-60

• Impedance: 8Ω • Max. input: 50W • Swing angle: 300°  
• Mounting hole dia: 54mmφ

## STEREO CARTRIDGES



### MOVING MAGNET STEREO CARTRIDGE

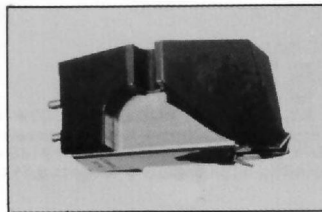
## 666-EX

• Frequency response: 10~45,000Hz • Output voltage: 4.5mV (1kHz, 50mm/sec) • Channel balance: 1.0dB (1kHz) • Channel separation: 30dB (1kHz) • Compliance: 15 x 10<sup>-6</sup>cm/dyne (100Hz) • Impedance: 2,100Ω • Stylus force: 0.9~1.2g • Stylus tip: 0.2 x 0.8mil, elliptical • Cantilever: Metallic beryllium • Magnet: Samarium cobalt • Load resistance: 47~100kΩ • Weight: 5.5g • Replacement stylus: S-666EX

## 666-E

### MOVING MAGNET STEREO CARTRIDGES

• Frequency response: 15~30,000Hz • Output voltage: 4.0mV (1kHz, 50mm/sec) • Channel balance: 1.2dB (1kHz) • Channel separation: 2.5dB (1kHz) • Compliance: 15 x 10<sup>-6</sup> cm/dyne (100Hz) • Stylus force: 1.0~1.6g • Stylus tip: 0.3 x 0.7 mil, elliptical • Cantilever: Taper • Magnet: • Load resistance: 47~100kΩ • Weight: 5.5g • Replacement stylus: S-666E



### MOVING COIL STEREO CARTRIDGE

## 777-EX

• Frequency response: 5~40,000Hz • Output voltage: 0.3mV (50mm/sec) • Channel separation: 34dB (1kHz) • Compliance: 15 x 10<sup>-6</sup>cm/dyne (100Hz) • Impedance: 6Ω • Stylus force: 1.3~2.3g • Stylus tip: 0.2 x 0.8 mil • Load resistance: 20~100Ω • Weight: 5.5g

### MOVING COIL STEREO CARTRIDGE

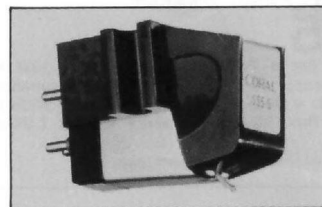
## 777-E

• Frequency response: 10~35,000Hz • Output voltage: 0.3mV (50mm/sec) • Channel separation: 27dB (1kHz) • Compliance: 13 x 10<sup>-6</sup>cm/dyne (100Hz) • Impedance: 6Ω • Stylus force: 1.3~2.3g • Stylus tip: 0.2 x 0.8 mil • Load resistance: 20~100Ω • Weight: 5.5g

### MOVING COIL STEREO CARTRIDGE

## 777-S

• Frequency response: 10~30,000Hz • Output voltage: 0.3mV (50mm/sec) • Channel separation: 25dB (1kHz) • Compliance: 13 x 10<sup>-6</sup>cm/dyne (100Hz) • Impedance: 6Ω • Stylus force: 1.3~2.3g • Stylus tip: 0.6mil • Load resistance: 20~100Ω • Weight: 5.5g



### MOVING MAGNET STEREO CARTRIDGE

## 555-EX4

• Frequency response: 10~45,000 • Output voltage: 2.5mV (1kHz, 50mm/sec) • Channel separation: 25dB (1kHz) • Stylus force: 0.75~2g • Stylus tip: for CD-4 • Load resistance: 47~100kΩ • Impedance: 1.8kΩ • Weight: 6g • Replacement stylus: S555-EX4

### MOVING MAGNET STEREO CARTRIDGE

## 555-E

• Frequency response: 10~30,000Hz • Output voltage: 4mV (1kHz, 50mm/sec) • Channel separation: 25dB (1kHz) • Stylus force: 1~2.5g • Stylus tip: 0.2 x 0.8 mil • Load resistance: 47~100kΩ • Impedance: 1.8kΩ • Weight: 6g • Replacement Stylus: S555-E

### MOVING MAGNET STEREO CARTRIDGE

## 555-SX

• Frequency response: 15~27,000Hz • Output voltage: 4mV (1kHz, 50mm/sec) • Channel separation: 25dB (1kHz) • Stylus force: 1~2.5g • Stylus tip: 0.5 mil • Load resistance: 47~100kΩ • Impedance: 1.8kΩ • Weight: 6g • Replacement stylus: S555-SX

### MOVING MAGNET STEREO CARTRIDGE

## 555-S

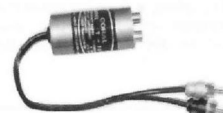
• Frequency response: 15~25,000Hz • Output voltage: 4mV (1kHz, 50mm/sec) • Channel separation: 22dB (1kHz) • Stylus force: 1~2.5g • Stylus tip: 0.6 mil • Load resistance: 47~100kΩ • Impedance: 1.8kΩ • Weight: 6g • Replacement stylus: S555-S

### MOVING MAGNET STEREO CARTRIDGE

## 555-SH

• Frequency response: 20~20,000Hz • Output voltage: 12mV (1kHz, 50mm/sec) • Channel separation: 22dB (1kHz) • Stylus force: 1.5~3g • Stylus tip: 0.7 mil • Load resistance: 47~100kΩ • Impedance: 4kΩ • Weight: 6g • Replacement stylus: S555-SH

## BOOSTER TRANSFORMER & HEAD SHELLS



### 777-SERIES APPLICATION BY BOOSTER TRANSFORMER

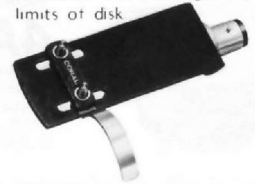
## T-100

• Frequency response: 5~50,000Hz • Gain: 26dB • Impedance: 6Ω 47kΩ • Crosstalk: Over 50dB • Output cord length: 38cm (15") • Dimensions: 32mmφ x 72mm (with input terminals) • Weight: 130g (0.286 lbs)

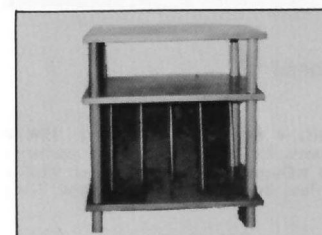
### HEAD SHELLS

## S-100 S-101

This newly developed shell made of a special alloy eliminates harmful resonance and challenges the reproduction limits of disk



## AUDIO RACKS & SPEAKER STANDS



### AUDIO-RACK

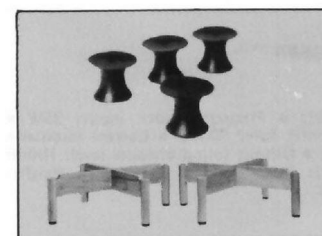
## C-3

• 3-shelf rack • Dimensions: 590 mm (23-1/4") W x 660 mm (26") H x 450 mm (17-3/4") D • Shelf inner dimensions: 485 mm (19-1/8") W x 180 mm (7-1/8") H • Shelf thickness: 20 mm (13/16")

### AUDIO-RACK

## C-1

• Extra shelf for the C-3 rack  
• Shelf thickness: 20 mm (13/16")  
• Height of pillars: 180 mm (7 1/8")



### MIDGET STAND (Set of 5)

## BS-1

• Height: 50 mm (1-15/16") • End diameters: 30 mm (1-3/16") & 23 mm (15/16")

### SPEAKER STAND (Set of 2)

## BS-2

• Dimensions: 405 mm (15-15/16") W x 180 mm (7-1/8") H x 380 mm (15") D • Height of legs: 10 mm (3/8")

# SPEAKER SYSTEM KITS



## 30cm (12") 3-WAY 3-SPEAKER SYSTEM KIT

### 12SA-7

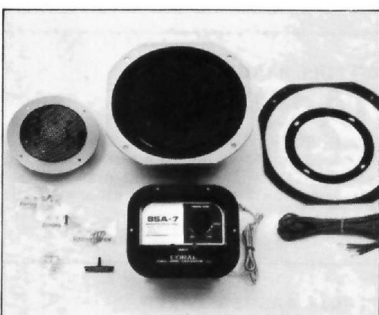
• Speakers: 30cm (12") woofer, semi-hard dome squawker, hard dome super-tweeter • Impedance: 8Ω • Crossover frequency: 650Hz, 8,000Hz • Output sound pressure level: 93dB • Program source input: 60W • Frequency response: 25~40,000Hz (76ℓ Air-tight enclosure) 30~40,000Hz (55ℓ Air-tight enclosure)



## 25cm (10") 3-WAY 3-SPEAKER SYSTEM KIT

### 10SA-7

• Speakers: 25cm (10") woofer, 4cm (1 9/16") dome squawker, 2cm (13/16") dome tweeter • Impedance: 8Ω • Crossover frequency: 1,200Hz, 10,000Hz • Output sound pressure level: 93dB • Program source input: 50W • Frequency response: 35~40,000Hz (45ℓ Air-tight enclosure) 40~40,000Hz (35ℓ Air-tight enclosure)



## 20cm (8") 2-WAY 2-SPEAKER SYSTEM KIT

### 8SA-7

• Speakers: 20cm (8") woofer, 4cm (1-9/16") dome tweeter • Impedance: 8Ω • Crossover frequency: 1,800Hz • Output sound pressure level: 92dB • Program source input: 40W • Frequency response: 40~20,000Hz (35ℓ Air-tight enclosure) 45~20,000Hz (23ℓ Air-tight enclosure)



## 30cm (12") 3-WAY 4-SPEAKER SYSTEM KIT (One pair)

### 12SA-5A

• Speakers: two 30cm (12") woofers, two 12.5cm (5") cone squawkers, four 6.5cm (2-1/2") cone tweeters • Impedance: 8Ω • Crossover frequency: 800Hz, 9,000Hz • Output sound pressure level: 94dB • Program source input: 60W • Frequency response: 35~20,000Hz (55ℓ Air-tight enclosure) 40~20,000Hz (45ℓ Air-tight enclosure)

## 25cm (10") 3-WAY 3-SPEAKER SYSTEM KIT (One pair)

### 10SA-5A

• Speakers: two 25cm (10") woofers, two 12.5cm (5") cone squawkers, two 6.5cm (2-1/2") cone tweeters • Impedance: 8Ω • Crossover frequency: 2,000Hz, 6,000Hz • Output sound pressure level: 93dB • Program source input: 50W • Frequency response: 40~20,000Hz (45ℓ Air-tight enclosure) 45~20,000Hz (35ℓ Air-tight enclosure)

## 20cm (8") 2-WAY 2-SPEAKER SYSTEM KIT (One pair)

### 8SA-5A

• Speakers: two 20cm (8") woofers, two 6.5cm (2-1/2") cone tweeters • Impedance: 8Ω • Crossover frequency: 4,500Hz • Output sound pressure level: 92dB • Program source input: 35W • Frequency response: 50~20,000Hz (35ℓ Air-tight enclosure) 60~20,000Hz (23ℓ Air-tight enclosure)



## 30cm (12") 3-WAY 4-SPEAKER SYSTEM KIT

### 12SA-5

• Speakers: 30cm (12") woofer, 12.5cm (5") squawker, two 6.5cm (2-1/2") cone tweeter • Impedance: 8Ω • Crossover frequency: 1,000Hz, 9,000Hz • Output sound pressure level: 95dB • Program source input: 60W • Frequency response: 35~20,000Hz (55ℓ Air-tight enclosure) 40~20,000Hz (45ℓ Air-tight enclosure)

## 25cm (10") 3-WAY 3-SPEAKER SYSTEM KIT

### 10SA-5

• Speakers: 25cm (10") woofer, 12.5cm (5") cone squawker, 6.5cm (2-1/2") cone tweeter • Impedance: 8Ω • Crossover frequency: 2,000Hz, 6,000Hz • Output sound pressure level: 93dB • Program source input: 50W • Frequency response: 40~20,000Hz (45ℓ Air-tight enclosure) 45~20,000Hz (35ℓ Air-tight enclosure)

## 20cm (8") 2-WAY 2-SPEAKER SYSTEM KIT

### 8SA-5

• Speakers: 20cm (8") woofer, 6.5cm (2-1/2") cone tweeter • Impedance: 8Ω • Crossover frequency: 4,500Hz • Output sound pressure level: 92dB • Program source input: 35W • Frequency response: 50~20,000Hz (35ℓ Air-tight enclosure) 60~20,000Hz (23ℓ Air-tight enclosure)



## 30cm (12") 3-WAY 4-SPEAKER SYSTEM KIT (One pair)

### 12SA-1

• Speakers: two 30cm (12") woofers, two 12.5cm (5") cone squawkers, four 6.5cm (2-1/2") cone tweeters • Impedance: 8Ω • Crossover frequency: 1,000Hz, 10,000Hz • Output sound pressure level: 95dB • Program source input: 60W • Frequency response: 30~20,000Hz (55ℓ Air-tight enclosure)

## 25cm (10") 3-WAY 3-SPEAKER SYSTEM KIT (One pair)

### 10SA-1

• Speakers: two 25cm (10") woofers, two 12.5cm (5") cone squawkers, two 6.5cm (2-1/2") cone tweeters • Impedance: 8Ω • Crossover frequency: 2,000Hz, 6,000Hz • Output sound pressure level: 93dB • Program source input: 50W • Frequency response: 40~20,000Hz (38ℓ Air-tight enclosure)

## 20cm (8") 3-WAY 3-SPEAKER SYSTEM KIT (One pair)

### 8SA-1

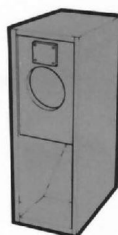
• Speakers: two 20cm (8") woofers, two 10cm (4") cone squawkers, two 6.5cm (2-1/2") cone tweeters • Impedance: 8Ω • Crossover frequency: 4,000Hz, 9,000Hz • Output sound pressure level: 93dB • Program source input: 35W • Frequency response: 70~20,000Hz (28ℓ Air-tight enclosure)

## 16cm (6-1/2") 2-WAY 2-SPEAKER SYSTEM KIT (One pair)

### 6SA-1

• Speakers: two 16cm (6-1/2") woofers, two 6.5cm (2-1/2") cone tweeters • Impedance: 8Ω • Crossover frequency: 10,000Hz • Output sound pressure level: 92dB • Program source input: 30W • Frequency response: 50~20,000Hz (26ℓ Air-tight enclosure)

# ENCLOSURE KITS



## BACKLOAD HORN ENCLOSURE KIT (Adhesive, acoustic material, cords included)

### EK-8BL

• Applicable units: 8F-60, BETA-8 • Dimensions: 320mm (12-9/16")W x 920mm (36-1/4")H x 440mm (17-5/16")D • Weight: 28.5kg (62.7 lbs)

## 55ℓ ENCLOSURE KIT

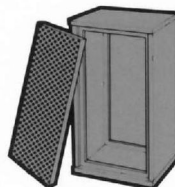
(Adhesive, acoustic material, cords, Saran net included)

### EK-55

• Applicable units: 8F-60, 10F-60 • Applicable system kits: 12SA-5, 12SA-7 • Dimensions: 388mm (15 1/4")W x 675mm (26-5/8")H x 312mm (12-1/4")D • Holed & plugged boards • Weight: 13kg (28.6 lbs)

## Baffle boards (one pair) for the EK-55:

- 55B-12A Air-tight, for 12SA-7 system kit
- 55B-12B Air-tight, for 12SA-5 system kit
- 55B-8F Bass-reflex, square duct, for 8F-60 unit
- 55B-10F Bass-reflex, pipe duct, for 10F-60 unit
- 55B-1 Without holes



## 45ℓ ENCLOSURE KIT

(Adhesive, acoustic material, cords, Saran net included)

### EK-45

• Applicable unit: 8F-60 • Applicable system kits: 8SA-7, 10SA-5 • Dimensions: 354mm (13-15/16")W x 620mm (24-7/16")H x 312mm (12-1/4")D • Holed & plugged boards • Weight: 11.5kg (25.2 lbs)

## Baffle boards (one pair) for the EK-45:

- 45B-8F Bass-reflex, pipe duct, for 8F-60 unit
- 45B-10A Air-tight, for 10SA-7 system kit
- 45B-10B Air-tight, for 10SA-5 system kit
- 45B-8A Air-tight, for 8SA-7 system kit
- 45B-1 Without holes



## 35ℓ ENCLOSURE KIT

(Adhesive, acoustic material, cords, Saran net included)

### EK-35

• Applicable unit: 6F-60 • Applicable system kits: 8SA-5, 8SA-7 • Dimensions: 309mm (16-3/16")W x 547mm (21-9/16")H x 304mm (12")D • Holed & plugged boards • Weight: 8.5kg (18.7 lbs)

## Baffle boards (one pair) for the EK-35:

- 35B-6F Bass-reflex, pipe duct, for 6F-60 unit
- 35B-8A Air-tight, for 8SA-7 system kit
- 35B-8B Air-tight, for 8SA-5 system kit
- 35B-1 Without holes

# Introduction to ENCLOSURES

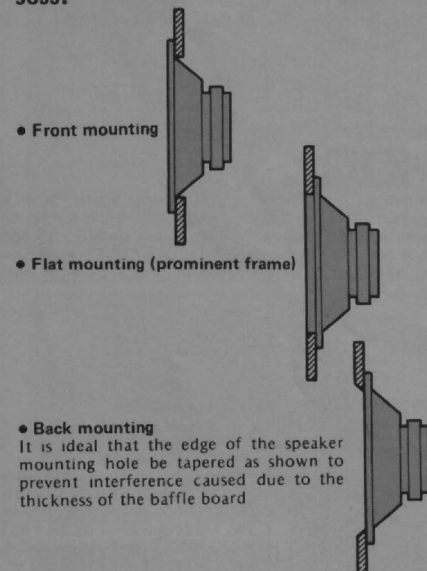
The role of the enclosure should never be underestimated. However excellent the speaker unit is, its true performance cannot be demonstrated if it is ill-matched with the enclosure or if the accuracy of the enclosure is inferior. The three major types of enclosures that are most commonly used are described at the right. Although there are other types, they are more or less modifications or developments based on these three basic types.

## • APPLICATION OF ACOUSTIC MATERIAL

The most widely used acoustic material is soft felt or glass wool with a thickness of about 20mm, which has an excellent acoustic effect. The acoustic material should be applied gently and without compression. A greater amount of material is needed for the air-tight cabinet than for the bass-reflex cabinet. The amount may be adjusted, depending on audibility, after referring to illustrations shown above.

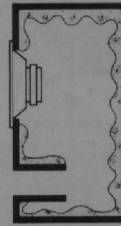
## • MOUNTING THE SPEAKER UNIT

Most speaker units today are mounted from the front of the baffle board. Another method is the flat mounting on the prominent frame, in which the speaker is mounted from the back of the baffle board. Determine the mounting method that is appropriate to the type of speaker that you possess.



### • AIR-TIGHT CABINET

This type of enclosure requires proper consideration in regard to its air-tightness and reinforcement. The characteristics of the speaker are loyally reproduced, however, when an ample inner volume is maintained.



### • BASS-REFLEX CABINET

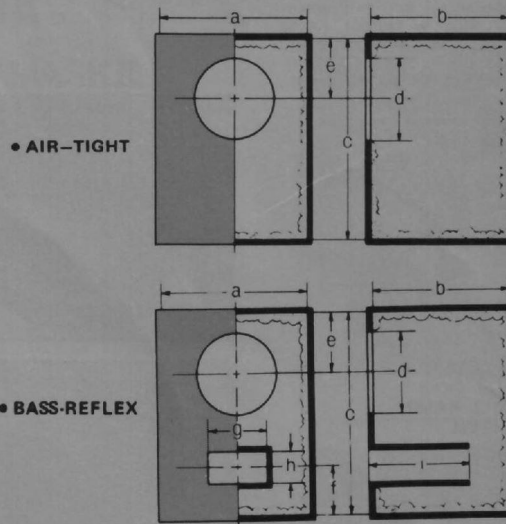
The sound phase emitting from the back of the speaker is reversed by way of a duct to ensure efficient reproduction in the low range. Rich low sounds can be reproduced even when the cabinet has a comparatively small inner volume, and a high speaker efficiency can be obtained.



### • BACKLOAD HORN CABINET

This cabinet is designed to use all the sound radiated from the speaker without loss. The cabinet itself is in the shape of a horn and is of complex construction, but the spectacular sound power it reproduces is astounding.

## TABLE OF ENCLOSURE DIMENSIONS (Unit:mm)



		• BASS REFLEX								
Units	Size	a	b	c	d	e	f	g	h	i
	10F-60	345	250	635	252	260	85	150	60	200
	8F-60	314	252	582	200	240	62	90	50	150
	6F-60	275	250	515	164	215	85	100	40	100
	BETA-10	500	400	670	258	210	140	210	150	150
	BETA-8	350	400	670	208	210	155	180	105	100
	FLAT-10II	340	282	620	265	180	110	160	85	200
	FLAT-8 II	290	252	540	215	160	100	130	70	150
	FLAT-6 II	275	195	520	177	150	100	66 5	66 5	100
	FLAT-5 II	230	185	420	139	150	100	66 5	66 5	50
	10CX-501	460	360	660	263	200	95	220	80	180
	8CX-501	410	260	660	208	180	100	200	90	200
	6CX-501	330	280	600	147	180	120	160	60	80
	4A-60	275	250	515	105	157	178	63	63	50
	15L-100	560	400	765	350	405	100	400	45	220
	15L-2	740	500	990	386	280	210	400	196	300
	12L-1	610	400	820	300	230	200	280	165	250
	10L-60	345	250	635	252	320	80	150	60	200
	12L-60	403	308	710	295	380	90	197	70	260

		• AIR-TIGHT						
Units	Size	a	b	c	d	e	Capacity(L)	fo
	10F-60	500	380	750	250	320	143	45
		420	350	700		250	103	50
	8F-60	470	360	700	200	260	118	45
		390	290	670		220	76	50
	6F-60	380	280	620	164	230	66	55
		315	240	560		200	42	60
	BETA-10	660	470	900	265	360	280	45
		500	380	750		300	143	55
	BETA-8	550	400	800	222	300	176	50
		470	360	700		260	118	55
	FLAT-10II	580	420	800	265	320	195	50
		420	372	660		250	103	60
	FLAT-8II	550	400	800	215	300	176	50
		400	300	660		220	79	60
	FLAT-6II	420	350	660	177	250	97	55
		380	270	600		210	62	60
	FLAT-5II	420	300	670	139	240	84	75
		300	240	560		180	40	80
	10CX-501	550	420	800	263	320	185	45
		470	360	750		250	127	50
	8CX-501	470	360	750	208	250	127	50
		420	300	650		250	82	55
	6CX-501	420	330	700	147	250	97	60
		380	270	600		210	62	65
	4A-60	275	250	515	105	157	35	87
	15L-100	720	460	1050	350	450	348	37
		630	400	900		420	230	42
	15L-2	810	600	1100	386	320	535	45
		680	450	920		300	280	50
	12L-1	780	450	930	300	250	326	48
		550	350	740		220	142	58
	10L-60	390	290	670	252	450	76	50
		420	340	700		470	100	45
	12L-60	580	450	800	295	385	208	40
		460	350	750		385	120	45