

CORAL
Naturally beautiful



Hersteller

Speaker System. Professional Speaker. Phono Cartridge.
Headphone & Audio Components.

Michael-Otto

**CORAL AUDIO
LINE-UP**

CORAL sounds ————— the quality that earns enthusiastic applause

CORAL has long been challenging the world of sound creation with the support of its purely speaker-oriented technological background and uncompromising determination.

A masterpiece cannot be created overnight. It must be nurtured by our engineers and designers, who form their ideas technologically and sensitively based on the fundamental principles of music reproduction. In order to permit them to accomplish further refinements, new techniques must be developed and their own sensitivity must be constantly refreshed. Such efforts, which are made repeatedly and continuously for the creation of CORAL sounds, contribute in turn to satisfying the high sensitivity level of our many customers.

The results are in this lineup of excellent CORAL speakers — large professional use systems, wide-ranging units for do-it-yourself fans, and accessories. It is a lineup that should win a big applause from audio enthusiasts around the world.

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Music is an art that creates beautiful harmonic sounds that are transformed from moment to moment by delicate lingering aftersounds. Speakers that reproduce sounds must be able to recreate the music ideally and with fidelity. The X-VII system was created to produce such quality. It boasts a high degree of perfection that sets the trend of the speakers of tomorrow.

X-VII 31cm 3way Speaker System

- Enclosure: Bass-reflex type
- Speaker units: 31cm woofer, 9cm hard-dome squawker, 3.6cm hard-dome tweeter
- Impedance: 8 Ohms
- Program source input: 120W
- Frequency response range: 30 ~ 30,000Hz
- Crossover frequencies: 470Hz, 5,000Hz
- Characteristic sensitivity: 94dB/W-m (normal), 97dB/W-m (maximum)
- Maximum sound pressure level: 118dB
- Dimensions: 390(W) x 710(H) x 350(D) mm
- Weight: 27kg



This is a top-flight floor-type system that employs CORAL Professional-Series units, which are highly evaluated and admired by professionals. They not only transduce the input signals from the amplifier precisely but also reproduce music splendidly.

X-15 38cm 3way Professional Speaker System



- Enclosure: Bass-reflex type
- Speaker units: 38cm woofer; 15L-100, Driver units; M-100, Straight horn; AH-503, Acoustic lens; AL-603, Horn tweeter; H-100
- Impedance: 8 Ohms
- Program source input: 150W
- Frequency response range: 30 ~ 30,000Hz
- Crossover frequencies: 750Hz, 8,000Hz
- Sound pressure level: 97dB/W-m
- Dimensions: 590(W) x 860(H) x 580(D) mm
- Weight: 77kg



A 30cm woofer, a sectoral horn, and a compression driver are mounted in a sturdily built enclosure, comprising a two-way system. From the very soft pianissimo to the very loud fortissimo, true sound reproduction is ensured by the superb power linearity. The unique tone control of the X-VIII permits minute adjustment of frequency response from the medium range to the high range.

X-VIII

30cm 2way Monitor Type Speaker System

- Enclosure: Bass-reflex type
- Speaker units: 30cm woofer, Driver unit; M-104, Sectoral horn; AH-502
- Impedance: 8 Ohms
- Program source input: 100W
- Frequency response range: 30 ~ 20,000Hz
- Sound pressure level: 96dB/W-m
- Dimensions: 470(W) x 885(H) x 440(D) mm
- Weight: 40kg



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The FX-22 is designed to reproduce beautiful sounds from all kinds of program sources. It's compact in size and fits into a limited space in a room. It's a very versatile system for carefree daily listening.

FX-22

20cm 2way Speaker System

- Enclosure: Air tight
- Speaker units: 20cm woofer, 6.5cm cone tweeter
- Impedance: 8 Ohms
- Program source input: 50W
- Frequency response range: 50 ~ 20,000Hz
- Crossover frequency: 5,000Hz
- Sound pressure level: 90dB/W-m
- Dimensions: 240(W) x 440(H) x 230(D) mm
- Weight: 6.5kg

Although speakers are apt to attract an interest among the line-up of CORAL products, an excellent sound quality by CORAL cartridge have been completed by applying rich source of experience and know-how including highly progressive technology for assembly and housing treatment in choice materials.

CORAL cartridge is obtaining so good reputation that offering sensational topic in Europe and America as well as in Japan. Actual data attached in each cartridge to guarantee the quality and performance.

MC-8 SERIES

Moving Coil Cartridge

Advanced engineering with beryllium cantilever, one-point suspension, and other features ensure the highest fidelity sound.

777 SERIES

Moving Coil Cartridge

Excellent sound-reproducibility proven throughout the world.

666-EX

Moving Magnet Cartridge

Fine materials and micro-precision technology permit faithful music reproduction.

555 SERIES

Moving Magnet Cartridge

T-100

Booster Transformer

Wide-range high-fidelity step-up transformer for MC cartridge.



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

S-100/S-101

Special Metal Head Shell

A damping coefficient that is 200 times that of aluminum alloys has been realized by a special metal that was developed by CORAL as the ideal material for preventing headshell vibration.

Manganese, copper, nickel and several other elements were added to form the newly developed metal that permits an outstanding improvement in bringing out the true performance of a cartridge. (Patents pending)



S-200

Head Shell



SPECIFICATIONS

Model	Frequency	Output	Channel separation	Impedance	Compliance	Tracking force	Stylus tip	Impedance	Weight
MC-8S	10~40,000Hz	0.25mV	30dB	6Ω	10×10 ⁻⁶ cm/dyne	1.8~2.3g	0.3×0.7 mil	20~100Ω	18g
MC-8	10~40,000Hz	0.25mV	30dB	6Ω	10×10 ⁻⁶ cm/dyne	1.8~2.3g	0.3×0.7 mil	20~100Ω	5g
MC-81	10~45,000Hz	0.25mV	30dB	6Ω	10×10 ⁻⁶ cm/dyne	1.8~2.3g	Shibata	20~100Ω	5g
777-EX	5~40,000Hz	0.3mV	34dB	6Ω	15×10 ⁻⁶ cm/dyne	1.3~2.3g	0.2×0.8 mil	20~100Ω	5.5g
777-E	10~35,000Hz	0.3mV	27dB	6Ω	13×10 ⁻⁶ cm/dyne	1.3~2.3g	0.2×0.8 mil	20~100Ω	5.5g
777-S	10~30,000Hz	0.3mV	25dB	6Ω	13×10 ⁻⁶ cm/dyne	1.3~2.3g	0.6 mil	20~100Ω	5.5g
666-EX	10~45,000Hz	4.5mV	30dB	2,100Ω	15×10 ⁻⁶ cm/dyne	0.9~1.2g	0.2×0.8 mil	47~100kΩ	5.5g
555-EX	10~45,000Hz	2.5mV	25dB	1,800Ω	13×10 ⁻⁶ cm/dyne	0.75~2g	Shibata	47~100kΩ	6g
555-E	10~30,000Hz	4mV	25dB	2,100Ω	10×10 ⁻⁶ cm/dyne	1~2.5g	0.2×0.8 mil	47~100kΩ	6g
555-SX	15~27,000Hz	4mV	25dB	2,100Ω	10×10 ⁻⁶ cm/dyne	1~2.5g	0.5 mil	47~100kΩ	6g
555-S	15~25,000Hz	4mV	22dB	2,100Ω	10×10 ⁻⁶ cm/dyne	1~2.5g	0.6 mil	47~100kΩ	6g
555-SH	20~20,000Hz	12mV	22dB	4,000Ω	8×10 ⁻⁶ cm/dyne	1.5~3g	0.7 mil	47~100kΩ	6g

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8A70



4A70



6A70



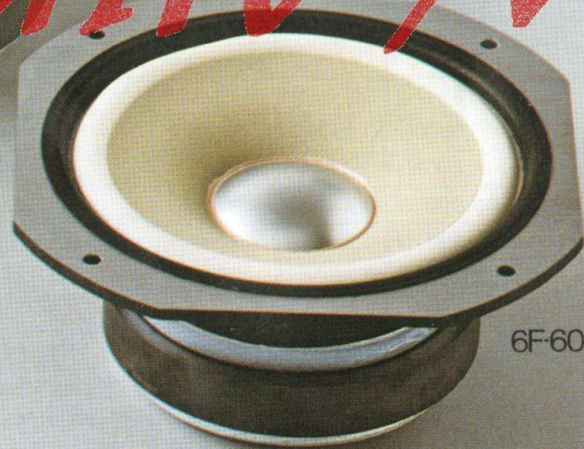
4A60



8F60



10F60



6F60

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A70 Series

These full-range units are capable of reproducing colorful and reassuring mid- and low-range sounds with solid density and a firm sound image. The cone paper, which largely affects the characteristics of sounds, has been processed by CORAL's special treatment method, providing excellent mass and elasticity. The dome radiator uses super-duralmin and the corrugation edge is coated with a special damping agent. Together with other high-quality parts, they form an outstanding sound-wave producing system, composing a high-performance full-range unit.

8A-70 20cm Full Range Speaker Unit

- Impedance: 8 Ohms
- Program source input: 50W
- Lowest resonance frequency: 45Hz
- Frequency response range: $f_0 \sim 16,000$
- Sound pressure level: 93dB/W-m
- Magnetic flux density: 10,500 gauss
- Weight: 3.5kg
- Effective cone radius: $a=8.25$ cm
- Effective mass of cone: $M_0=14.5$ g
- $Q_0=0.45$

- Total magnetic flux: 75,000 maxwell
- Magnetic flux density: 11,000 gauss
- Weight: 3.1kg
- Effective cone radius: $a=4.45$ cm
- Effective mass of cone: $M_0=2.7$ g
- $Q_0=0.42$

6A-70 16cm Full Range Speaker Unit

- Impedance: 8 Ohms
- Program source input: 40W
- Lowest resonance frequency: 50Hz
- Frequency response range: $f_0 \sim 20,000$ Hz
- Sound pressure level: 90 dB/W-m
- Magnetic flux density: 10,000 gauss
- Weight: 2.0 kg
- Effective cone radius: $a=6.5$ cm
- Effective mass of cone: $M_0=7.3$ g
- $Q_0=0.4$

4A-70 10cm Full Range Speaker Unit

- Impedance: 4 or 8 or 16 Ohms
- Program source input: 40W
- Lowest resonance frequency: 85Hz
- Frequency response range: $f_0 \sim 20,000$ Hz
- Sound pressure level: 90dB/W-m



4A-60 10cm Full Range Speaker Unit

- Impedance: 4 or 8 or 16 Ohms
- Program source input: 16W
- Lowest resonance frequency: 80Hz
- Frequency response range: $f_0 \sim 18,000$ Hz
- Sound pressure level: 91dB/W-m
- Total magnetic flux: 51,100 maxwell
- Magnetic flux density: 12,200 gauss
- Weight: 560g
- Effective cone radius: $a=4.15$ cm
- Effective mass of cone: $M_0=2.6$ g
- $Q_0=0.34$

F-60 Series

An ideally wide range of frequency response as well as low distortion is provided for these full-range units. The white cone paper that has been specially treated by CORAL's unique hardening technique, the super-duralmin dome radiator, a high-performance low-distortion magnetic circuit, and other superb components ensure clear reproduction of stable sounds at high power as well as balanced and true-quality sounds even when the volume is down.

10F-60 25cm Full Range Speaker Unit

- Impedance: 8 Ohms
- Program source input: 60W
- Lowest resonance frequency: 30Hz
- Frequency response range: $f_0 \sim 20,000$ Hz
- Sound pressure level: 94dB/W-m
- Total magnetic flux: 210,000 maxwell
- Weight: 6.8kg
- Effective cone radius: $a=10.7$ cm
- Effective mass of cone: $M_0=29$ g
- $Q_0=0.45$

6F-60 16cm Full Range Speaker Unit

- Impedance: 8 Ohms
- Program source input: 35W
- Lowest resonance frequency: 45Hz
- Frequency response range: $f_0 \sim 20,000$ Hz
- Sound pressure level: 90dB/W-m
- Total magnetic flux: 170,000 maxwell
- Weight: 3.1kg
- Effective cone radius: $a=6.5$ cm
- Effective mass of cone: $M_0=9.5$ g
- $Q_0=0.47$

8F-60 20cm Full Range Speaker Unit

- Impedance: 8 Ohms
- Program source input: 40W
- Lowest resonance frequency: 35Hz
- Frequency response range: $f_0 \sim 20,000$ Hz
- Sound pressure level: 93dB/W-m
- Total magnetic flux: 175,000 maxwell
- Weight: 5.2kg
- Effective cone radius: $a=8.1$ cm
- Effective mass of cone: $M_0=16$ g
- $Q_0=0.4$

FLAT10II

BETA10

FLAT8II



FLAT6II

BETA8



FLAT5II

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FLAT MarkII Series

This is a comparatively low-priced series of full-range speakers having the same high quality as the other CORAL full-ranges. The series comes in four sizes—from 12cm to 25cm. It is one of our long-time best-sellers and has a reputation for high reliability among audio enthusiasts who make speaker systems for themselves. Each unit of the series has the white cone paper that demonstrates outstanding linearity and an ample power capacity, permitting clear and expressive sound reproduction.

FLAT10II 25cm Full Range Speaker Unit

- Impedance: 8 Ohms
- Program source input: 55W
- Lowest resonance frequency: 35Hz
- Frequency response range: $f_0 \sim 20,000\text{Hz}$
- Sound pressure level: 96dB/W-m
- Magnetic flux density: 12,000 gauss
- Weight: 2.8kg
- Effective cone radius: $a=10.5\text{cm}$
- Effective mass of cone: $M_0=17.5\text{g}$
- $Q_0=0.5$

FLAT8II 20cm Full Range Speaker Unit

- Impedance: 8 Ohms
- Program source input: 35W
- Lowest resonance frequency: 40Hz
- Frequency response range: $f_0 \sim 20,000\text{Hz}$
- Sound pressure level: 95dB/W-m
- Magnetic flux density: 12,000 gauss
- Weight: 2kg
- Effective cone radius: $a=8.25\text{cm}$
- Effective mass of cone: $M_0=10.3\text{g}$
- $Q_0=0.5$

FLAT6II 16cm Full Range Speaker Unit

- Impedance: 4 or 8 Ohms
- Program source input: 30W
- Lowest resonance frequency: 45Hz
- Frequency response range: $f_0 \sim 20,000\text{Hz}$
- Sound pressure level: 92dB/W-m
- Magnetic flux density: 11,000 gauss
- Weight: 1.4kg
- Effective cone radius: $a=6.45\text{cm}$
- Effective mass of cone: $M_0=6.5\text{g}$
- $Q_0=0.52$

FLAT5II 12cm Full Range Speaker Unit

- Impedance: 4 or 8 Ohms
- Program source input: 20W
- Lowest resonance frequency: 70Hz
- Frequency response range: $f_0 \sim 18,000\text{Hz}$
- Sound pressure level: 91dB/W-m
- Magnetic flux density: 11,000 gauss
- Weight: 0.75kg
- Effective cone radius: $a=4.82\text{cm}$
- Effective mass of cone: $M_0=3.1\text{g}$
- $Q_0=0.55$

BETA Series

The BETA Series is one of our recent accomplishments that became a sensational topic in the audio world. The choice cone paper is not colored in order to eliminate uneven density. CORAL's own free edge, star-shaped directivity-expanding diffuser, magnetic force-increasing magnet, and other superior features comprise this epochmaking series of full-range speakers.

BETA10 25cm Full Range Speaker Unit

- Impedance: 8 Ohms
- Program source input: 40W
- Lowest resonance frequency: 32Hz
- Frequency response range: $f_0 \sim 20,000\text{Hz}$
- Sound pressure level: 97dB/W-m
- Magnetic flux density: 15,500 gauss
- Weight: 4.6kg
- Effective cone radius: $a=10.7\text{cm}$
- Effective mass of cone: $M_0=16\text{g}$
- $Q_0=0.5$

BETA8 20cm Full Range Speaker

- Impedance: 8 Ohms
- Program source input: 35W
- Lowest resonance frequency: 37Hz
- Frequency response range: $f_0 \sim 20,000\text{Hz}$
- Sound pressure level: 95dB/W-m
- Magnetic flux density: 15,500 gauss
- Weight: 3.3kg
- Effective cone radius: $a=8.3\text{cm}$
- Effective mass of cone: $M_0=8.5\text{g}$
- $Q_0=0.5$

BETA6 16cm Full Range Speaker



- Impedance: 8 Ohms
- Program source input: 30W
- Lowest resonance frequency: 50Hz
- Frequency response range: $f_0 \sim 20,000\text{Hz}$
- Sound pressure level: 93dB/W-m
- Magnetic flux density: 12,300 gauss
- Total magnetic flux: 83,000 maxwell
- Weight: 1.42kg
- Effective cone radius: $a=6.7\text{cm}$
- Effective mass of cone: $M_0=6.5\text{g}$
- $Q_0=0.36$

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15L:101 | PROFESSIONAL SERIES |

12L:60

15L:60

10L:603

4L:60

15L:100 | PROFESSIONAL SERIES |



A group of CORAL units, particularly marked **PROFESSIONAL SERIES** are prouded of their excellent applicable performances by its high input resistivity and low distortion ratio.

The speaker system always have large influence on its sound quality by woofer unit, CORAL will offer wide range woofer units with plenty of line-up, we are introducing from 38cm woofer to 10cm woofer, consequently wider combinations are available to assemble speaker system out of various squawkers and tweeters according to the specifications, as the result, permitting to reproduce enough and vivid low range sound of over all dynamic range of music, from horn loaded speaker system which is required accurate acoustic performance as a professional-use system, to minified system which is available set in a bookshelf.

15L101 38cm Woofer

- Impedance: 8 or 16 Ohms
- Program source input: 150W
- Lowest resonance frequency: 35Hz
- Frequency response range: $f_0 \sim 2,000\text{Hz}$
- Sound pressure level: 100dB/W-m
- Total magnetic flux: 500,000 maxwell
- Magnetic flux density: 12,000 gauss
- Weight: 9.5kg
- Effective cone radius: $a=16.8\text{cm}$
- Effective mass of cone: $M_0=90\text{g}$
- $Q_0=0.28$

15L61 38cm Woofer



- Impedance: 8 Ohms
- Program source input: 150W
- Lowest resonance frequency: 28Hz
- Frequency response range: $f_0 \sim 2,000\text{Hz}$
- Sound pressure level: 95dB/W-m
- Total magnetic flux: 318,000 maxwell
- Weight: 7.2kg
- Effective cone radius: $a=16.7\text{cm}$
- Effective mass of cone: $M_0=82\text{g}$
- $Q_0=0.36$

15L100 38cm Woofer

- Impedance: 8 or 16 Ohms
- Program source input: 150W
- Lowest resonance frequency: 25Hz
- Frequency response range: $f_0 \sim 1,500\text{Hz}$
- Sound pressure level: 95dB/W-m
- Total magnetic flux: 532,000 maxwell
- Weight: 15.3kg
- Effective cone radius: $a=16.8\text{cm}$
- Effective mass of cone: $M_0=110\text{g}$
- $Q_0=0.25$

12L60 30cm Woofer Unit

- Impedance: 8 Ohms
- Program source input: 80W
- Lowest resonance frequency: 27Hz
- Frequency response range: $f_0 \sim 2,500\text{Hz}$
- Sound pressure level: 95dB/W-m
- Total magnetic flux: 268,000 maxwell
- Weight: 6.5kg
- Effective cone radius: $a=12.8\text{cm}$
- Effective mass of cone: $M_0=51\text{g}$
- $Q_0=0.37$

12L60C 30cm Woofer Unit



- Impedance: 8 Ohms
- Program source input: 80W
- Lowest resonance frequency: 28Hz
- Frequency response range: $f_0 \sim 2,000\text{Hz}$
- Sound pressure level: 93dB/W-m
- Total magnetic flux: 276,000 maxwell
- Weight: 5.6 kg
- Effective cone radius: $a=12.75\text{cm}$
- Effective mass of cone: $M_0=57.6\text{g}$
- $Q_0=0.3$

15L60 38cm Woofer

- Impedance: 8 Ohms
- Program source input: 150W
- Lowest resonance frequency: 28Hz
- Frequency response range: $f_0 \sim 2,500\text{Hz}$
- Sound pressure level: 96dB/W-m
- Total magnetic flux: 315,000 maxwell
- Weight: 8.2kg
- Effective cone radius: $a=16.7\text{cm}$
- Effective mass of cone: $M_0=90\text{g}$
- $Q_0=0.32$

10L60B 25cm Woofer Unit

- Impedance: 8 Ohms
- Program source input: 60W
- Lowest resonance frequency: 28Hz
- Frequency response range: $f_0 \sim 5,000\text{Hz}$
- Sound pressure level: 94dB/W-m
- Total magnetic flux: 160,000 maxwell
- Weight: 4.5kg
- Effective cone radius: $a=10.7\text{cm}$
- Effective mass of cone: $M_0=33\text{g}$
- $Q_0=0.33$

4L60 10cm Woofer Unit

- Impedance: 8 Ohms
- Program source input: 50W
- Lowest resonance frequency: 45Hz
- Frequency response range: $f_0 \sim 10,000\text{Hz}$
- Sound pressure level: 88dB/W-m
- Total magnetic flux: 73,000 maxwell
- Weight: 1kg
- Effective cone radius: $a=4.25\text{cm}$
- Effective mass of cone: $M_0=6.5\text{g}$
- $Q_0=0.33$

10DU-60B 25cm Drone Cone Unit

A wider dynamic range can be obtained for the low range by using this drone cone unit with a 25cm-class woofer. The mass of the cone paper may be controlled by means of the accessory tuning weights.



- Fit unit: 25cm woofer; 10L-60B
- Accessory Weight: 4 pcs (5g, 10g, 15g, 20g)
- Weight: 0.65kg



A group of CORAL units, particularly marked **PROFESSIONAL SERIES** are prouded of their excellent applicable performances by its high input resistivity and low distortion ratio.

AH-500. PROFESSIONAL SERIES

AH-503. PROFESSIONAL SERIES

AL-603. PROFESSIONAL SERIES

AD-2. PROFESSIONAL SERIES

M-100. PROFESSIONAL SERIES

M-103. PROFESSIONAL SERIES

AD-5. PROFESSIONAL SERIES

M-104

AH-501. PROFESSIONAL SERIES

AH-502. PROFESSIONAL SERIES

AH-502

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Driver Units / Horn Units / Adaptors

These professional-use driver units have already built unconditional reliance as indispensable units in Europe and America as well as in Japan by their highest quality and precision construction which is composed from diaphragm and voice coil to magnetic circuit, in addition, the horn units permit extensive system variations in combination with these driver units.

M-100 Driver Unit

- Impedance: 8 or 16 Ohms
- Program source input: 150W
- Rated input: 50W r.m.s.
- Sound pressure level: 105dB/W-m (When mounted on AH-500)
- Frequency response range: 500 ~ 18,000Hz
- Magnetic flux density: 19,000 gauss
- Magnet: NKS-5DG 1kg
- Throat dia: 25.4φmm
- Dimensions: 116φ x 104(D) mm
- Weight: 4.2kg

M-103 Driver Unit

- Impedance: 8 or 16 Ohms
- Program source input: 100W
- Rated input: 30W r.m.s.
- Frequency response range: 500 ~ 18,000Hz
- Sound pressure level: 104dB/W-m (When mounted on AH-501)
- Magnetic flux density: 18,000 gauss
- Throat dia: 25.4φmm
- Dimensions: 120φ x 74(D) mm
- Weight: 3.3kg

M-104 Driver Unit

- Impedance: 8 or 16 Ohms
- Program source input: 100W
- Rated input: 30W r.m.s.
- Frequency response range: 500 ~ 18,000Hz
- Sound pressure level: 104dB/W-m (When mounted on AH-501)
- Magnetic flux density: 18,000 gauss
- Throat dia: 25.4φmm
- Dimensions: 120φ x 74(D) mm
- Weight: 3.3kg

AH-500 Sectoral Horn

- Flare cut: 250Hz
- Dispersion angles: 90°horizontal, 45°vertical
- Dimensions: 750(W)x180(H)x581(D) mm
- Weight: About 15kg

AH-501 Sectoral Horn

- Flare cut: 350Hz
- Dispersion angles: 90°horizontal, 45°vertical
- Dimensions: 550(W)x184(H)x390(D) mm
- Weight: About 8.6kg

AH-502 Sectoral Horn

- Flare cut: 400Hz
- Dispersion angles: 90°horizontal, 45°vertical
- Dimensions: 436(W)x183(H)x324(D) mm
- Weight: About 5.3kg

AH-503 Straight Horn

- Optimum crossover: Over 800Hz
- Dimensions: 158φmm x 220(D)mm
- Weight: 1kg

AL-603 Acoustic Lens Kit

- Dispersion angles: 80°horizontal, 45°vertical
- Effective frequency: Over 2,500 Hz
- Applicable horn throat dia: 100φmm
- Dimensions: 245(W) x 168(H) x 72(D) mm
- Weight: 650g

AD-5 Double Throat Adaptor

This adaptor is used for parallel driving of driver units in order to ensure the demonstration of rapid power-up and excellent transient characteristics.

- Weight: 740g

AD-2 Horn Throat Adaptor

An adaptor that has been developed to simplify the making of the horn throat, as well as for other creative usages.

- Weight: 540g

AD-1 Horn Throat Adaptor

A throat adaptor for mounting a driver unit with a throat diameter of 24.5mm to Altec horns 811B and 511B.

- Weight: 270g

BS-4 Horn Stand

A horn stand with one-touch height adjustment designed for the firm support of the neck of a sectoral horn.

- Weight: 1.16kg

Dome Squawkers

The MD-5 was developed originally for use in our renowned X-VII speaker system. A large 9cm diaphragm, large-sized back-cavity and other features ensure the wide-range low-distortion reproduction of clear sound tones and images.



MD-5 Dome Squawker

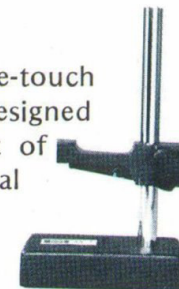
- Impedance: 8 Ohms
- Program source input: 100W
- Frequency response range: 500 ~ 5,000Hz
- Crossover frequency: Over 500 Hz (12dB/oct)
- Sound pressure level: 95dB/W-m
- Magnetic flux density: 12,000 gauss
- Weight: 3kg

MD-60 Dome Squawker

- Impedance: 8 Ohms
- Program source input: 50W
- Frequency response range: 1,500 ~ 15,000Hz
- Crossover frequency: Over 1,500 Hz (12dB/oct)
- Sound pressure level: 94dB/W-m
- Magnetic flux density: 13,000 gauss
- Weight: 1.2kg

MD-4 Dome Squawker

- Impedance: 8 Ohms
- Program source input: 60W
- Frequency response range: 650 ~ 10,000Hz
- Crossover frequency: Over 650Hz (12dB/oct)
- Sound pressure level: 93dB/W-m
- Magnetic flux density: 16,500 gauss
- Weight: 1.65kg



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A group of CORAL units, particularly marked **PROFESSIONAL SERIES** are prouded of their excellent applicable performances by its high input resistivity and low distortion ratio.

Horn Tweeters/Acoustic Lens kits

Model H-100, horn type super-tweeter, highly praise quality as one of the masterpiece of CORAL professional products. The technology has inherited to Model H-104, H-70. Sufficient effects are expectable and tractable long seller unit Model H-60, H-24A. Obedient tone is the feature and with shorter horn adopted unit Model H-40, H-30. These horn tweeters are essential elements to obtain better performance in multi-way system organization according to the usage. Acoustic lens realize wider frequency directional characteristics by transforming plane high frequency waves radiated from horn tweeter into spherical waves, the universal design enjoys general popularity.

H-100 Super Horn Tweeter

- Impedance: 8 Ohms
- Program source input: 30W
- Frequency response range: 7,000~30,000Hz
- Crossover frequency: Over 7,000Hz (12dB/oct)
- Sound pressure level: 100dB/W-m
- Magnetic flux density: 19,500 gauss
- Voice coil dia: 18φmm
- Dimensions: 98φ x 115(D) mm
- Weight: 3.8kg

H-60/H-24A Horn Tweeter



- Impedance: 8 Ohms
- Program source input: 15W
- Frequency response: 5,000~22,000Hz
- Crossover frequency: Over 5,000Hz (12dB/oct)
- Sound pressure level: 100dB/W-m
- Magnetic flux density: 16,000 gauss
- Weight: 0.62kg

H-104 Horn Tweeter

- Impedance: 8 Ohms
- Program source input: 30W
- Frequency response range: 5,000~25,000Hz
- Crossover frequency: Over 5,000Hz (12dB/oct)
- Sound pressure level: 100dB/W-m
- Magnetic flux density: 19,500 gauss
- Voice coil dia: 18φmm
- Dimensions: 98φ x 112.5(D) mm
- Weight: 3.5kg

H-40 Horn Tweeter

- Impedance: 8 Ohms
- Program source input: 30W
- Frequency response range: 2,500~20,000Hz
- Crossover frequency: Over 3,500Hz (12dB/oct)
- Sound pressure level: 100dB/W-m
- Magnetic flux density: 12,400 gauss
- Weight: 270g

H-3 Mounting Flange

- Dimensions: 136φ x 20(D) mm
- Weight: 155g

H-70 Horn Tweeter

- Impedance: 8 Ohms
- Program source input: 30W
- Frequency response range: 2,500~25,000Hz
- Crossover frequency: Over 3,000Hz (12dB/oct)
- Sound pressure level: 107dB/W-m
- Magnetic flux density: 15,000 gauss
- Weight: 1.47kg

H-30 Horn Tweeter

- Impedance: 8 Ohms
- Program source input: 25W
- Frequency response range: 3,000~20,000Hz
- Crossover frequency: Over 4,000Hz (12dB/oct)
- Sound pressure level: 94dB/W-m
- Magnetic flux density: 12,000 gauss
- Weight: 220g

AL-602 Acoustic Lens Kit

- Dispersion angles: 90°horizontal, 45°vertical
- Effective frequency: Over 3,000 Hz
- Applicable horn throat dia: Under 80φmm
- Dimensions: 190(W) x 122(H) x 52(D) mm
- Weight: 480g

AL-601 Acoustic Lens Kit

- Dispersion angles: 80°horizontal, 45°vertical
- Effective frequency: Over 3,000 Hz
- Applicable horn throat dia: Under 60φmm
- Dimensions: 130(W) x 92(H) x 35(D) mm
- Weight: 130g



Originally designed for model X-VII



Dome Tweeters

CORAL dome tweeters that employ other advanced diaphragm-forming technology offer wide directivity and clearcut high-range sounds.

HD-60 Dome Tweeter

- Impedance: 8 Ohms
- Program source input: 50W
- Frequency response range: 8,000~40,000Hz
- Crossover frequency: Over 8,000Hz (12dB/oct)
- Sound pressure level: 96dB/W-m
- Magnetic flux density: 13,000 gauss
- Weight: 0.4kg

MHD-55 Dome Tweeter

- Impedance: 8 Ohms
- Program source input: 50W
- Frequency response range: 2,000~20,000Hz
- Crossover frequency: Over 2,000Hz (12dB/oct)
- Sound pressure level: 94dB/W-m
- Magnetic flux density: 15,000 gauss
- Weight: 1.0kg

HD-3 Dome Tweeter

- Impedance: 8 Ohms
- Program source input: 50W
- Frequency response range: 5,000~25,000Hz
- Crossover frequency: Over 5,000Hz (12dB/oct)
- Sound pressure level: 98dB/W-m
- Magnetic flux density: 15,500 gauss
- Weight: 0.817kg

H-22 Dome Tweeter

- Impedance: 8 Ohms
- Program source input: 50W
- Frequency response range: 2,000~16,000Hz
- Crossover frequency: Over 4,000Hz (12dB/oct)
- Sound pressure level: 91dB/W-m
- Total magnetic flux: 48,000 maxwell
- Weight: 0.4kg

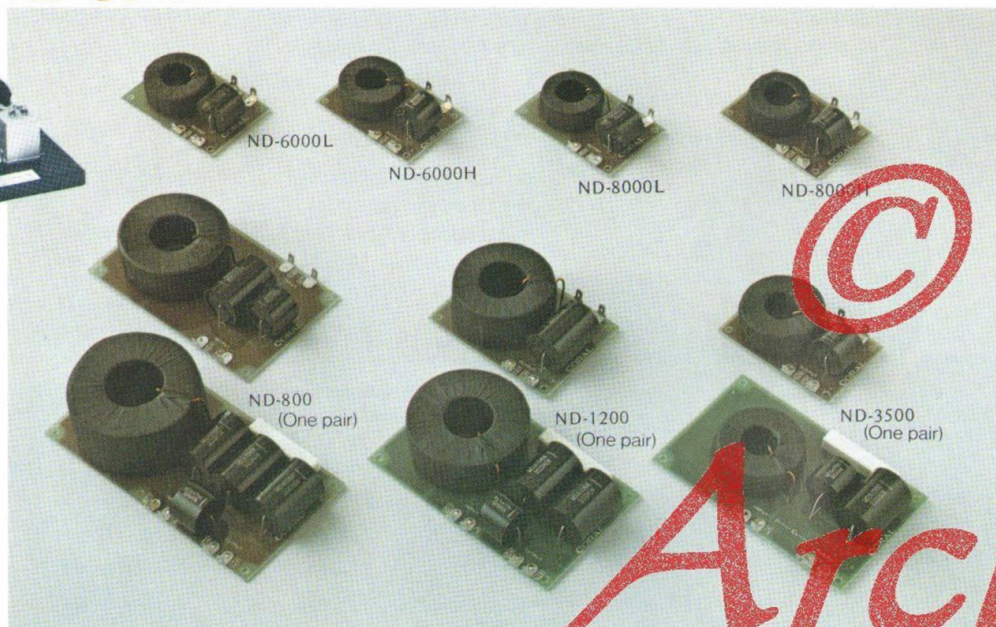
A dividing network that induces the fine characteristics of each speaker and performs smooth frequency division is an important component in a multi-way speaker system, and largely affects the degree of system perfection. CORAL dividing networks have been completed through the use of choice parts, circuit design, listening tests, and adjustments. They are designed to conform to all CORAL woofers, squawkers and tweeters to play an important role in the creation of quality sounds.

NW Series

(PROFESSIONAL SERIES)



ND Series



SPECIFICATIONS

Model	Impedance	Max. input	frequencies	Damping circuit	Weight
NW-500	8Ω	200W	500Hz	High-pass and Low-pass 12dB/oct	4.1kg
NW-800	8Ω	200W	800Hz	High-pass and Low-pass 12dB/oct	4.1kg
NW-1200	8Ω	200W	1,200Hz	High-pass and Low-pass 12dB/oct	2.8kg
NW-7000	8Ω	200W	7,000Hz	High-pass and Low-pass 12dB/oct	1kg
ND-800	8Ω	100W	800Hz	High-pass and Low-pass 12dB/oct	1.25kg
ND-1200	8Ω	100W	1,200Hz	High-pass and Low-pass 12dB/oct	1.05kg
ND-3500	8Ω	100W	3,500Hz	High-pass and Low-pass 12dB/oct	0.48kg
ND-6000H	8Ω	100W	6,000Hz	High-pass 12dB/oct	0.15 kg
ND-8000H	8Ω	100W	8,000Hz	High-pass 12dB/oct	0.13kg
ND-6000L	8Ω	100W	6,000Hz	Low-pass 12dB/oct	0.15kg
ND-8000L	8Ω	100W	8,000Hz	Low-pass 12dB/oct	0.13kg

Level controller must be used for adjusting sound pressure level of squawker and tweeter. AT-70 is the transformer-type which accurately controls damping in a range of from zero to 21 dB. T-100 is designed for high input resistivity and professional use. AT-61 and AT-50 may be used for a wide variety of applications.

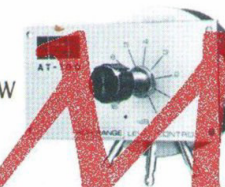
AT-70 Level Controller

- Impedance: 8 or 16 Ohms
- Effective frequency: Over 300Hz
- Damping scope: 0 ~ 21dB (1dB Step)
- Program source input: 100W
- Dimensions: 80(W) x 90(H) x 150.5(D) mm
- Weight: 1.06kg

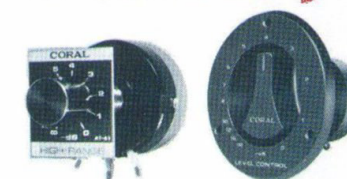


AT-100 Level Controller

- Impedance: 8 Ohms
- Program source input: 100W
- Swing angle: 300°
- Mounting hole dia: 9φmm



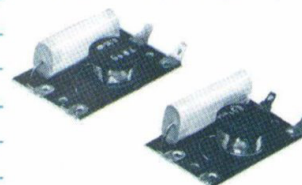
AT-60/AT-50 Level Controller



- Impedance: 8 Ohms
- Program source input: 50W
- Swing angle: 300°
- Mounting hole dia: 9φmm (AT-61), 54φmm (AT-50)

AF Series

(High-pass filters)
Numbers indicate cutoff frequencies (12 dB/oct).



CORAL speaker system kits are composed of choice speaker units and level controller-equipped networks – complete with cords, screws and instruction manual.

SA-7 SERIES



12SA-7 30cm 3way Speaker System kit

- Speaker units: 30cm woofer, Semi-horn dome squawker, Horn dome super tweeter • Impedance: 8Ω
- Program source input: 60W • Frequency response range: 30~40,000Hz (55ℓ Air tight enclosure) • Crossover frequencies: 650Hz, 8,000Hz • Sound pressure level: 93dB/W-m

10SA-7 25cm 3way Speaker System kit

- Speaker units: 25cm woofer, 4cm dome squawker, 2cm dome tweeter • Impedance: 8Ω • Program source input: 50W
- Frequency response range: 35~40,000Hz (45ℓ Air tight enclosure)
- Crossover frequencies: 1,200Hz, 10,000Hz
- Sound pressure level: 93dB/W-m

8SA-7 20cm 2way Speaker System kit

- Speaker units: 20cm woofer, 4cm dome tweeter
- Impedance: 8Ω • Program source input: 40W
- Frequency response range: 40~20,000Hz (35ℓ Air-tight enclosure)
- Crossover frequencies: 1,800Hz
- Sound pressure level: 92dB/W-m

SA-5A SERIES



12SA-5A 30cm 3way Speaker System kit (One pair)

- Speaker units: Two 30cm woofers, Two 12.5cm cone squawkers, Four 6.5cm cone tweeters • Impedance: 8Ω
- Program source input: 50W • Frequency response range: 35~20,000Hz (55ℓ Air-tight enclosure) • Crossover frequencies: 800Hz, 9,000Hz • Sound pressure level: 94dB/W-m

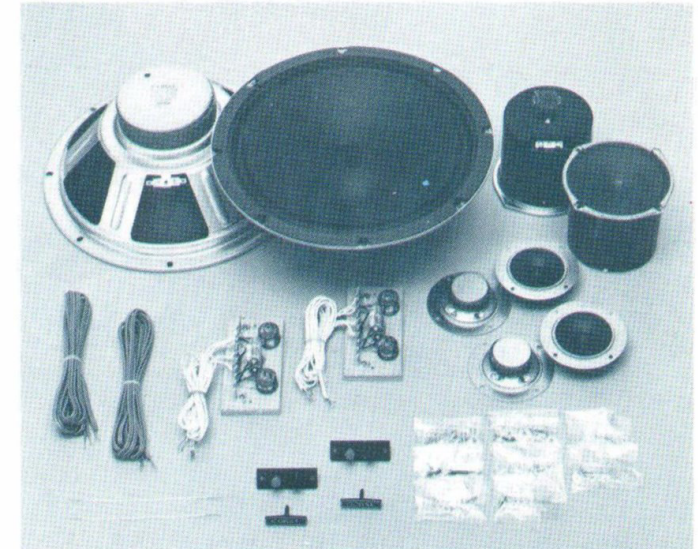
10SA-5A 25cm 3way Speaker System kit (One pair)

- Speaker units: Two 25cm woofers, Two 12.5cm cone squawkers, Two 6.5cm cone tweeters • Impedance: 8Ω
- Program source input: 50W • Frequency response range: 40~20,000Hz (45ℓ Air-tight enclosure) • Crossover frequencies: 2,000Hz, 6,000Hz • Sound pressure level: 93dB/W-m

8SA-5A 20cm 2way Speaker System kit (One pair)

- Speaker units: Two 20cm woofers, Two 6.5cm cone tweeters
- Impedance: 8Ω • Program source input: 35W
- Frequency response range: 50~20,000Hz (35ℓ Air-tight enclosure)
- Crossover frequencies: 4,500Hz • Sound pressure level: 92dB/W-m

SA-1 SERIES



12SA-1 30cm 3way Speaker System kit (One pair)

- Speaker units: Two 30cm woofers, Two 12.5cm cone squawkers, Four 6.5cm cone tweeter • Impedance: 8Ω
- Program source input: 60W • Frequency response range: 30~20,000Hz (55ℓ Air-tight enclosure) • Crossover frequencies: 1,000Hz, 10,000Hz • Sound pressure level: 95dB/W-m

10SA-1 25cm 3way Speaker System kit (One pair)

- Speaker units: Two 25cm woofers, Two 12.5cm cone squawkers, Two 6.5cm cone tweeters • Impedance: 8Ω
- Program source input: 50W • Frequency response range: 40~20,000Hz (38ℓ Air-tight enclosure) • Crossover frequencies: 2,000Hz, 6,000Hz • Sound pressure level: 93dB/W-m

8SA-1 20cm 3way Speaker System kit (One pair)

- Speaker units: Two 20cm woofers, Two 10cm cone squawkers, Two 6.5cm cone tweeters • Impedance: 8Ω
- Program source input: 35W • Frequency response range: 70~20,000Hz (28ℓ Air-tight enclosure) • Crossover frequencies: 4,000Hz, 9,000Hz • Sound pressure level: 93dB/W-m

Hersteller
Michael-Otto



The full-fledged full-range MK-60A (B) unit is designed for use with a car stereo system. It employs a powerful magnetic circuit, permitting high-power reproduction even in combination with a small-output amplifier. Moreover, CORAL's unique dual cones provide a wide range of frequency response — from very low to high sounds — despite the speaker's rather small diameter of 16cm.

MK60A(B) 16cm Full Range Dual-cone Speaker Unit

- Impedance: 4 Ohms
- Program source input: 30W (25 W)
- Sound pressure level: 93dB/W-m (92dB/W-m)
- Magnet weight: 13.3oz (10.9oz)
- Weight: 3.4kg (2.9kg)

(These shown in parentheses apply to the type B speaker)



Ultra-thin diaphragms have a thickness that is measured in microns. These sets of high-velocity high-efficiency headphones can reproduce all sorts of music with excellent individual qualities. They are light to wear and uniquely constructed for comfort.

E-88 High Velocity Headphone

- Type: High Velocity
- Frequency response range: 20 ~ 20,000Hz
- Impedance: 100 Ohms
- Allowable input: 500mW
- Sound pressure level: 105dB/mW
- Connecting straight cord: 3m
- Weight: Without cord 85g

E-80 High Velocity Headphone

- Type: High Velocity
- Frequency response range: 20 ~ 20,000Hz
- Impedance: 100 Ohms
- Allowable input: 500mW
- Sound pressure level: 105dB/mW
- Weight: 240 g

E-80VR High Velocity Headphone With Volume Control



MUSICAL INSTRUMENT SPEAKER UNITS



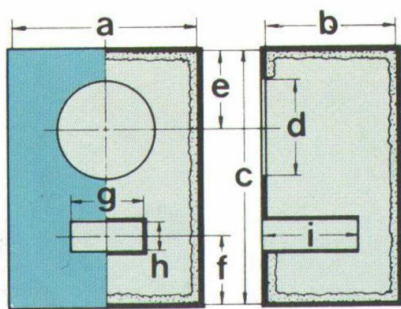
CORAL Speaker Units for every musical instrument feature a choice paper cone that reproduces with perfect fidelity the sound of an individual musical instrument, which differs delicately from one instrument to another. They are designed for high efficiency and provide ample input resisting characteristics to meet severe conditions during use. A wide range of types covers every specific need! CORAL speaker units for guitars, bass instruments, organs, vocal presentations, normal public addressing use, etc., have extremely sensitive response, perfectly matched to the instrument or voice.

Recommendable Usage	Model No.	Diameter (outside mmφ)	Input Power		Voice coil Impedance ohm	Sound pressure level dB/W-m	Fo: Hz	Flux Density Gauss	Height mm	Mounting pitch mmφ	Net Weight g (oz)	Magnet Weight g (oz)
			RMS W	MAX W								
G, VO, PA	4K-11	114	20	40	8	90	160 ±32	10,030	48	118	540 (19.0)	181 (6.38)
G, VO, PA	6K-11	165	8	16	8	92	150 ±30	10,300	63.3	156	630 (22.2)	181 (6.38)
OR, PA	8K-11	225	10	30	8	96	110 ±25	11,700	85.8	229 (193)	1,380 (48.7)	377 (13.3)
VO, PA	8K-12	205	10	30	8	95	100 ±20	11,000	86.8	193	1,070 (37.7)	310 (10.9)
G, VO, PA	8K-13	205	10	20	8	92	130 ±26	8,900	66.0	193	595 (21.0)	122 (4.3)
G, VO, PA	10K-11	260	30	30	8	96	90 ±18	12,000	99.5	243.5	2,100 (74.2)	567 (20.0)
G (VO, PA)	12K-11	307	50	100	8	97	80 ±16	11,200	125.0	292	3,600 (127.0)	933 (32.9)
G (VO, PA)	12K-12	307	50	100	8 or 16	96	80 ±16	10,400	125.0	292	2,910 (102.6)	721 (25.43)
G (VO, PA)	12K-12A	307	30	55	8	95	80 ±16	8,900	125.0	292	2,500 (88.2)	567 (20.0)
G (VO, PA)	12K-13A	307	100	200	8	98	85 ±17	10,400	118.2	292	4,820 (170.0)	1,835 (64.7)
G, VO, PA	12K-14	307	20	40	8	94	85 ±17	11,700	117.0	292	1,850 (65.3)	377 (13.3)
B, PA	15K-11	380	100	200	8	99	50 ±10	10,400	129.4	361	6,200 (219.0)	1,835 (64.7)
B	15K-12	380	50	100	8	96	65 ±13	10,000	126.4	361	4,100 (145.0)	933 (32.9)
OR	15K-13	382	30	55	8	98	50 ±10	12,300	164.8	362	5,900 (208.0)	1,197 (42.2)

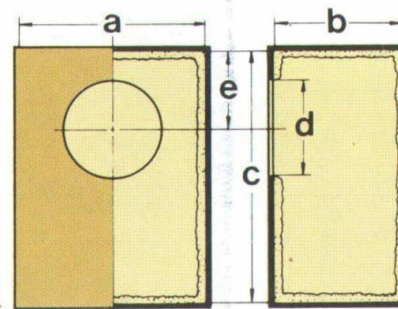
G: Guitar, VO: Vocal, PA: Public Address, OR: Organ, B: Bass

TABLE OF ENCLOSURE DIMENSIONS (Unit:mm)

Bass-reflex



Closed-box



	a	b	c	d	e	f	g	h	i	fob (Hz)
8 A-70	314	252	582	200 ϕ	207	110	150	60	135	54
6 A-70	275	250	515	164 ϕ	215	85	85	60	50	58
4 A-70	155	185	410	103 ϕ	105	130	57	57	140	69
4 A-60	275	250	515	105 ϕ	157	178	63	63	50	57
10F-60	345	250	635	252 ϕ	260	85	150	60	200	44
8 F-60	314	252	582	200 ϕ	240	62	90	50	150	40
6 F-60	275	250	515	164 ϕ	215	85	100	40	100	50
FLAT-10 II	340	282	620	259 ϕ	180	110	160	85	200	50
FLAT-8 II	290	195	540	209 ϕ	160	100	130	70	150	57
FLAT-6 II	275	195	520	170 ϕ	150	100	66.5	66.5	100	58
FLAT-5 II	230	185	420	132 ϕ	150	100	66.5	66.5	50	86
BETA-10	500	400	670	258 ϕ	210	140	210	150	150	48
BETA-8	350	400	670	208 ϕ	210	155	180	105	100	53
BETA-6	275	250	515	172 ϕ	170	130	70	70	80	61
15L-101	570	420	850	350 ϕ	300	135	365	65	200	33
15L-100	560	400	765	350 ϕ	405	100	400	45	220	31
15L-60	552	402	800	350 ϕ	300	80	200	80	150	33
15L-61										
12L-60	401	306	710	295 ϕ	380	90	197	70	260	38
12L-60C										
10L-60B	345	250	635	252 ϕ	320	80	150	60	200	44
4 L-60	180	200	270	103 ϕ	95	50	39	39	100	65

	a	b	c	d	e	Capacity (l)	foc (Hz)
8 A-70	470	360	750	200 ϕ	260	127	54
	345	250	635		207	55	64
6 A-70	314	252	582	164 ϕ	190	55	64
4 A-70	275	250	515	103 ϕ	157	35	63
	205	179	410		130	15	103
4 A-60	275	250	515	105 ϕ	157	35	87
10F-60	500	380	750	252 ϕ	320	143	45
	420	350	700		250	103	50
8 F-60	470	360	700	200 ϕ	260	118	45
	390	290	670		220	76	50
6 F-60	380	280	620	164 ϕ	230	66	58
	315	240	560		200	22	60
FLAT-10 II	580	420	800	259 ϕ	320	195	50
	420	372	600		250	103	60
FLAT-8 II	550	400	800	209 ϕ	300	176	50
	400	300	660		220	79	60
FLAT-6 II	420	330	660	170 ϕ	250	97	55
	380	270	600		210	62	60
FLAT-5 II	420	300	670	132 ϕ	240	84	75
	300	240	560		180	40	80

	a	b	c	d	e	Capacity (l)	foc (Hz)
BETA-10	660	470	900	258 ϕ	360	280	45
	500	380	750		300	143	55
BETA-8	550	400	800	208 ϕ	300	176	50
	470	380	670		200	8	55
BETA-6	345	248	515	172 ϕ	170	55	69
15L-101	660	445	1,000	350 ϕ	300	300	50
	600	425	900		350	230	54
15L-100	720	460	1,050	350 ϕ	450	348	37
	630	400	900		450	230	42
15L-60	700	505	550	350 ϕ	380	400	40
15L-61	552	400	802	350 ϕ	300	200	48
12L-60	580	420	800	259 ϕ	385	108	40
12L-60C	460	350	750	259 ϕ	385	120	45
10L-60B	500	380	750	252 ϕ	500	143	42
	420	372	660		450	103	46
4 L-60	110	95	200	103 ϕ	150	2.1	

foc(Hz):Resonance frequency of closed-box system.

fob(Hz):Tuning frequency of vent.

Specifications and designs are subject to change without notice due to improvements.
Printed in Japan.