

D-77NE 3-Way Bass-Reflex Speaker System



The Return of the King

The D-77NE is a 3-Way loudspeaker that offers full-scale sound to people who care deeply about music. The latest in a series beloved by jazzheads for 30 years, the D-77NE retains the massive 30 cm (12") non-pressed paper-cone woofer, 12 cm (5") squawker, hybrid aluminum-dome cone tweeter and immensely thick MDF cabinet. These handcrafted speakers buck the trend towards clinical, boring sound in favor of entrancingly musical expression. This stems from Onkyo's belief that listening should be—above all else—fun. To this end, techniques used by luthiers are translated to the bracing structure in order to shape cabinet resonances into warm, open, and harmonious sound. Lauded for their natural treatment of jazz and classical (those big woofers reach down to 30 Hz and give double bass an authenticity few bookshelf speakers can match), the D-77NEs are equally at home with rock, electronica, and everything else in your collection. Pair them with your choice of amplifier and travel back to the golden age of high fidelity.

FEATURES

- Non-Pressed 30 cm (12") Paper-Cone Woofer for Deep, Natural Bass
- 12 cm (5") Silk/Thermoset Resin OMF Mid-Range Driver
- Combination 2.5 cm (1") Aluminum/Magnesium Dome and 4 cm (1 1/2") Bio-Cross Cone Tweeter for Precise High-Frequency Performance
- M.D.C.T (Magnetic Distortion Cancellation Technology) Circuitry to Minimize High-Frequency Distortion
- Solid MDF Cabinet with Handcrafted Internal Wood Bracing Technology
- Large 56 Lt. (14 51/64 U.S. Gal.) Cabinet Capacity and 3-Way Design Produces Authentic and Lifelike Sound
- 42 mm (1 1/2")-thick Curved-Edge Speaker Baffle to Control Resonance and Prevent Diffraction Waves
- Crossover Network Features Three Separate Coils to Avoid Leakage Flux Coupling
- WIMA Fixed-Film Dielectric Tweeter Capacitors to Enhance High-Frequency Fluency
- Gold-Plated, Machined Brass, Screw-type Speaker Terminals
- Speaker Terminals Compatible with Banana Plug or Spade-type Connectors
- Magnetically Shielded to Prevent Electrical Interference
- Removable Cloth Grilles
- Offered in Black Woodgrain Finish

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Continuing a 30-Year Tradition of Legendary Sound

The first D-77 loudspeaker variant was released in Japan in 1985. It earned cult status among jazz and classical aficionados for deep, open, and musical performance—particularly its ability to provide a sense of scale to orchestral pieces. With the growing number of people rediscovering analog Hi-Fi, the return of the mighty D-77 couldn't come at a better time. This is a unique opportunity to feel the character of music as you remember it, to be transported back to blissful afternoons in front of the family stereo. Teamed with a suitable amplifier and turntable, the D-77NE loudspeakers have power and fluency to place you at the heart of the performance.

Unique Non-Pressed Cone Woofer

Developed by Onkyo in 1950, the non-pressed paper cone offers clear advantages over pressed paper designs when it comes to producing deep, rhythmic, and accurate bass. Unique production methods result in a cone that's tougher, thicker, and lighter (for speed and accuracy) with high inner loss (which means bass sounds uncolored and directionless). The D-77NEs feature 30 cm (12") non-pressed woofers capable of reaching down to 30 Hz—lower than the low E on a bass guitar and below what most floorstanding speakers can achieve.



Silk OMF Squawker for Detailed Mids

Delicate and precise, silk is also the world's strongest natural fiber. That's why we use it to enhance our 12 cm (5") OMF mid-range drivers. Layers of ultra-thin silk and polyester resin provide the stiffness necessary for fast and accurate audio reproduction while reducing unwanted vibrations. Combined with hand-sculpted internal wood bracing, these drivers showcase every nuance in vocal performances with pure energy.

Combination Balanced-Dome Tweeter

Frequencies above 3.2 kHz are filtered to a combined aluminum-dome and bio-cross cone tweeter. The crossover contains M.D.C.T (Magnetic Distortion Cancellation Technology) circuitry and German-made fixed-film dielectric capacitors that allow the driver to perform with a sweet airiness all the way up to 50 kHz. The chatter of sticks on hi-hats is articulated crisply with no sibilance or sense of compression. You'll love the feeling of spaciousness and insight these drivers provide.

Handcrafted and Tuned for the Love of Listening

A major factor in the D-77NE's musicality is the MDF cabinet. Firstly, it's very heavy—the baffle alone is 42 mm (1 1/2") thick. Secondly, to overcome the problem of cabinet resonance common to any enclosed speaker, we created a complex hand-made wood bracing system that acts in a similar way to an acoustic guitar body, distributing resonances evenly and reducing vibrations that can cause noise. Rounded baffle edges are also featured to prevent diffraction waves (unwanted reflections from the baffle) from blurring the audio image. The resulting sound is highly enjoyable to listen to—not dry or fatiguing—and recreates the intimacy of a live performance.

Advanced Crossover Network Technology

Having a dedicated driver for each frequency band makes for powerful sound, but getting the drivers to form a cohesive image takes real know-how. As the ongoing popularity of the D-77 attests, Onkyo's engineers have gotten it right. Part of the secret lies in the three separate coils that help prevent flux leakage that can translate into noise, and the top-quality WIMA capacitors that limit distortion.

Top-Quality Fit and Finish

Harking back to the days when audio equipment looked more like handcrafted furniture, the D-77NE feels like it will last a lifetime. From the machined-brass and gold-plated speaker terminals (screw-types that accept both banana plug or spade-type cable connectors) through to the premium black woodgrain finish, these speakers eloquently express your appreciation of music.



SPECIFICATIONS

SPEAKER SYSTEM

Speaker Type	3-Way Bass Reflex
Drivers	30 cm (12") Bass Woofer 12 cm (5") Squawker 4 cm (1 1/2") Balanced-Dome Tweeter

Frequency Response

Frequency Response	30 Hz–50 kHz
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Output Sound Pressure Level

Output Sound Pressure Level	90 dB/W/m
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Crossovers

Crossovers	420 Hz / 3.2 kHz
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Max. Input Power

Max. Input Power	150 W
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Nominal Impedance

Nominal Impedance	6 Ohms
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General

Dimensions (W x H x D)

Dimensions (W x H x D)	380 x 660 x 380 mm (14 15/16" x 26" x 14 15/16")
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Weight

Weight	25.5 kg (56.22 lbs.)
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CARTON

Dimensions (W x H x D)

Dimensions (W x H x D)	477 x 819 x 480 mm (18 3/4" x 32 1/4" x 18 7/8")
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Weight

Weight	28.0 kg (61.7 lbs.)
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UPC CODE

D-77NE-L	751398012167
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D-77NE-R	751398012174
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Supplied Accessories

• Cork Spacers® x 8	• Instruction Manual®
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*Included with D-77NE-R only.