

NDW

Series

Real Sound acoustic engineer has been trying to design good-quality and professional sound system with clear and precise sonic since it was started 10 years ago. The NDW series adopted world-class Neodymium Iron design in 2007. It provides strong, smooth and predictable performance in compact structure while it provides accurate acoustic position. And it wins widespread high praise in the whole world industry expert with high sensitivity, high sound pressure and high-pitched sound. It is suited for large or middle size venue.

As meeting the standards of the corrected technology before waveform, it is of extraordinary transparency and perfect coherence when the NDW series cabinets are arrayed horizontally. And when two or three array is used as main sound enforcement, it can effectively convey high SPL to meet the needs of the majority of audio materials. The horizontal coverage is precisely determined by the numbers of speakers. The NDW is a perfect acoustics sound and of a wide range of applications, small size, high sound pressure, and extremely light weight is the cabinet with excellent performance.



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For further descriptions please visit our homepage at www.realsound-audio.com 7

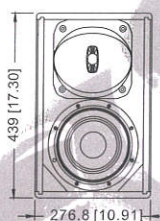
NDW Series

All NDW series speaker cabinets share the following features

- NDW6.5Q; NDW-10Q; NDW-15Q; NDW-1510Q; NDW-185BQ; NDW-285BQ drive units employ high stability, radial neodymium magnet structures in order to provide very high motor strength and hence fast transient response as well as exceptional thermal performance. This also results in a useful reduction in weight which aids transportation and handling.
- The NDW Series is a perfect acoustics sound and of a wide range of applications, small size, high sound pressure, and extremely light weight is the cabinet with excellent performance.
- E.G Concerts, large music bars, medium theatres, circuses, sport venues, stadiums, houses of worship and fashion shows.
- Ultra low distortion, Very high output, Wide dispersion, Trapezoidal enclosure, Seamless array ability
- the new LF driver features a tough, water resistant cone and lightweight, high bl, neodymium motor system with inside/outside coil windings for improved heat transfer.
- NDW-10Q, NDW-12Q, NDW-15Q one-amplifier and Bi-amplifier



NDW-8Q
Full Range



NDW-8Q

A 2-way full range High-Power Loudspeaker system constructed in a trapezoidal enclosure. It includes a 8inch(64mm voice coil) neodymium magnet woofer and a 2inch(44mm voice coil) neodymium magnet HF driver with a 90° horizontal horn, 80° to 60° vertical horn. Its linear frequency response makes it an ideal choice for sound instruments for speech and vocal projects applications. Using together with NDW-12B subwoofers, the NDW-6.5Q represents an easy-to-use pa system that reproduces all frequencies from lowest bass to highest treble with the same transparency and clarity. The loudspeaker enclosure is rectangular in shape and constructed of 15mm thickness high-density plywood with extensive internal bracing support.

NDW-10Q

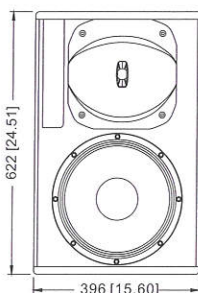
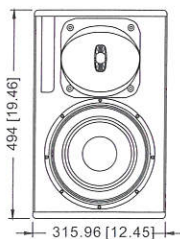
A 2-way full range High-Power Loudspeaker system constructed in a trapezoidal enclosure. It includes a 10 inch(75mm voice coil) neodymium magnet woofer and a 2inch(44mm voice coil) neodymium magnet HF driver with a 90° horizontal horn, 80° to 60° vertical horn. Its linear frequency response makes it an ideal choice for sound instruments for speech and vocal projects applications. Using together with NDW-18B subwoofers, the NDW-10Q represents an easy-to-use pa system that reproduces all frequencies from lowest bass to highest treble with the same transparency and clarity. The loudspeaker enclosure is rectangular in shape and constructed of 15mm thickness high-density plywood with extensive internal bracing support.

NDW-12Q

A 2-way full range High-Power Loudspeaker system constructed in a trapezoidal enclosure. It includes a 12inch(75mm voice coil) neodymium magnet woofer and a 2inch(44mm voice coil) neodymium magnet HF driver with a 90° horizontal horn, 80° to 60° vertical horn. Its linear frequency response makes it an ideal choice for sound instruments for speech and vocal projects applications. Using together with NDW-18B subwoofers, the NDW-12Q represents an easy-to-use pa system that reproduces all frequencies from lowest bass to highest treble with the same transparency and clarity. The loudspeaker enclosure is rectangular in shape and constructed of 15mm thickness high-density plywood with extensive internal bracing support.



NDW-10Q
Full Range



NDW-12Q
Full Range

NDW Series

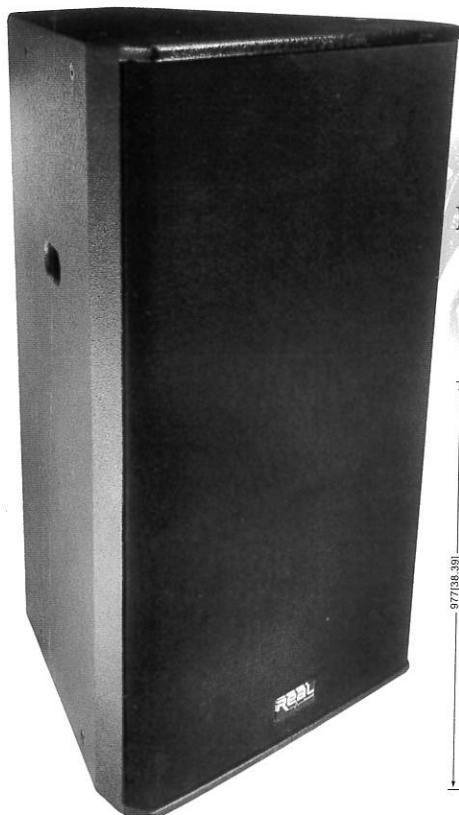
Model:	NDW-8Q	NDW-10Q	NDW-12Q
System Power Rating	300w AES, 1200w Peak	350w AES, 1400w Peak	400w AES, 1600w Peak
Frequency Range(±3dB)	70Hz-20KHz	65Hz-20KHz	60Hz-20KHz
Impedance	8ohm	8ohm	8ohm
Sound Pressure Level(1w/1m)/max.cont.	98dB/126dB SPL	99dB/126dB SPL	99dB/126dB SPL
Coverage(HxV)	90° hor, 80° to 60° ver,	90° hor, 80° to 60° ver,	90° hor, 80° to 60° ver,
Transducers LF	8inch neodymium magnet Driver	10inch neodymium magnet Driver	12inch neodymium magnet Driver
HF	2inch(44mm)voice coil, neodymium magnet HF compression Driver	2inch(44mm)voice coil, neodymium magnet HF compression Driver	2inch(44mm)voice coil, neodymium magnet HF compression Driver
Dimensions wxhxd(inch)	10.91x17.30x10.26	12.45x19.46x12.68	15.60x24.23x14.85
wxhxd(mm)	277x439x260	316x494x321	396x622x377
Weight(Kg)	16	17	19
Connectors	2 x Neutrik NL4 Speakon	2 x Neutrik NL4 Speakon	2 x Neutrik NL4 Speakon

All NDW-1510Q speaker cabinets share the following features

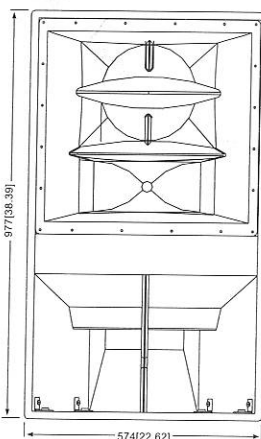
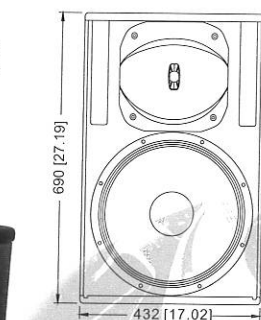
- Very high power capability combined with high efficiency means that peak sound pressure levels of up to 139dB are easily achievable from one cabinet
- Greatly improved thermal performance from neodymium magnet structures reduces power compression to negligible levels and delivers more amplifier power into acoustic watts
- Minimal destructive interference between adjacent enclosures, effectively giving seamless array ability in both horizontal and vertical planes. All audience seats get essentially the same frequency response
- HF transducer and 10inch high-mid driver employ a high stability, high temperature radial neodymium magnet structure which offers much higher efficiency, as well as reduced weight
- Bi-Amp and Tri-Amp



NDW-15Q
Full Range



NDW-1510Q
Full Range



NDW-15Q

A 2-way full range High-Power Loudspeaker system constructed in a trapezoidal enclosure. It includes a 15inch(75mm voice coil) ferrite magnet woofer and a 3inch(75mm voice coil)ferrite magnet HF driver with a 90°horizontal horn,80°to 60°vertical horn. Its linear frequency response makes it an ideal choice for sound instruments for speech and vocal projects applications.Using together with NDW-18B subwoofers , the NDW-15Q represents an easy-to-use pa system that reproduces all frequencies from lowest bass to highest treble with the same transparency and clarity. The loudspeaker enclosure is rectangular in shape and constructed of 18mm thickness high-density plywood with extensive internal bracing support.

NDW-1510Q

A 3-way full range High-Power Loudspeaker system constructed in a trapezoidal enclosure. Includes 15inch(75mm voice coil) neodymium magnet LF woofer, a 10inch exit(75mm voice coil) neodymium magnet MF driver and a 2inch(75mm voice coil) neodymium magnet compression HF driver. The LF driver is mounted in a vented enclosure tuned for optimum low frequency response. The enclosure isconstructed with 18mm thickness high density plywood with extensive internal bracing support.It is finished in water-resistant textured black paints for wear resistance and durability. A standard tripod/polemount adaptor is included. Perforated steel is employed for frontal protection of the loudspeaker component.

NDW-10FQ

A 2-way full range High-Power Loudspeaker system constructed in a trapezoidal enclosure. a 10inch exit(75mm voice coil) neodymium magnet MF driver and a 2inch(75mm voice coil) neodymium magnet compression HF driver. The LF driver is mounted in a vented enclosure tuned for optimum low frequency response. The enclosure isconstructed with 18mm thickness high density plywood with extensive internal bracing support.It is finished in water-resistant textured black paints for wear resistance and durability. A standard tripod/polemount adaptor is included. Perforated steel is employed for frontal protection of the loudspeaker component.

NDW-10FQ



NDW Series

Model:	NDW-15Q	NDW-1510Q	NDW-10FQ
System Power Rating	500w AES,2000w Peak	LF:600w AES,2400w Peak HF:100w AES,400w Peak,MF:400w AES,1600w Peak	HF:100w AES,400w Peak MF:400w AES,1600w Peak
Frequency Range(±3dB)	55Hz-18.5KHz	50Hz-20KHz	150Hz-20KHz
Impedance	8 Ohm	8 Ohm	8 Ohm
Sound Pressure Level(1w/1m)/max.cont.	101dB/130dB	104dB, MF+HF:104dB, HF:109dB/136dB	104dB, HF:109dB/136dB
Crossover Frequency	1.8KHz passive	250Hz active,3.8KHz passive	3.8KHz passive
Drivers LF/MF/HF	15inch(75mm)voice coil ,ferrite magnet LF driver 3inch(75mm)voice coil,ferrite magnet HF compression Driver	15inch(100mm)voice coil ,neodymium magnet LFdriver 10inch(75mm)voice coil,neodymium magnet MF driver 2inch(44mm)voice coil,neodymium magnet HF compression Driver	10inch(75mm)voice coil,neodymium magnet MF driver 2inch(44mm)voice coil,neodymium magnet HF compression Driver
Dispersion Coverage(H x V)	80°x50°	80°x 40°	80°x 40°
Dimensions wxhxd(inch)	17.02x28.17x16.96	22.62x38.39x21.20	22.62x21.95x21.20
wxhxd(millimetre)	432x725x430	574x977x538	574x557x538
Weight(Kg)	28	50	38
Connectors	2x Neutrik NL4 Speakon	1x Neutrik NL4 Speakon and 1x6PIN	1x Neutrik NL4 Speakon and 1x6PIN

Specifications

NDW

Series

NDW system applications

- Theater, night clubs, and houses of worship
- Stage monitor side fill
- Can be used as a stand alone system
- Houses of worship, medium to large theatres and night clubs
- All purpose, compact, flyable subwoofer

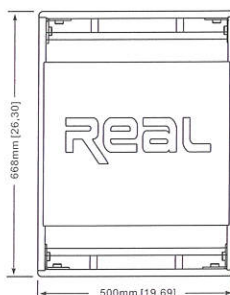
Subwoofer

NDW-155BQ

The NDW-155BQ is a passive high power subwoofer system with single 15inch(100mm voice coil) neodymium magnet LF driver. The system is front loaded by a hyperbolic horn with low flare rate. The rear of the driver is reflex loaded to extend the LF output to below the natural cut-off point of the horn. Thus, it serves as a core model for portable live performance sound reinforcement speaker, it is an ideal choice for corporate and industrial events. The NDW-10Q, NDW-10FQ and NDW-12Q can supply extreme SPL within the recommended bandpass of 40-300Hz. The loudspeaker enclosure is rectangular in shape and constructed with 18mm thickness high-density plywood, the enclosure constructs with an extensive internal bracing support. plywood and shall employ extensive internal bracing.

NDW-155BQ

optimized bass reflex design



NDW-218BQ

The NDW-218BQ is a self-contained passive high power subwoofer system with dual 18inch(100mm voice coil) ferrite magnet LF driver is front loaded by a hyperbolic horn with low flare rate. The rear of the driver is reflex loaded to extend the LF output to below the natural cut-off point of the horn. Thus, it serves as a core module for portable live sound reinforcement systems and is ideal for corporate and industrial events. The NDW-12Q, 15Q and NDW-1510Q can supply extreme SPL within the recommended bandpass of 30-300Hz. The NDW-218BQ is a powered subwoofer. The loudspeaker enclosure shall be rectangular in shape. It shall be constructed of 18mm thickness high density plywood and shall employ extensive internal bracing.

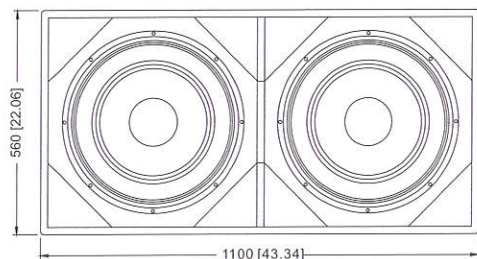
NDW-18BQ

The NDW-18BQ is a self-contained passive high power subwoofer system with 18inch(100mm voice coil) ferrite magnet LF driver is front loaded by a hyperbolic horn with low flare rate. The rear of the driver is reflex loaded to extend the LF output to below the natural cut-off point of the horn. Thus, it serves as a core module for portable live sound reinforcement systems and is ideal for corporate and industrial events. The NDW-12Q, 15Q and NDW-1510Q can supply extreme SPL within the recommended bandpass of 30-300Hz. The NDW-18BQ is a powered subwoofer. The loudspeaker enclosure shall be rectangular in shape. It shall be constructed of 18mm thickness high density plywood and shall employ extensive internal bracing.



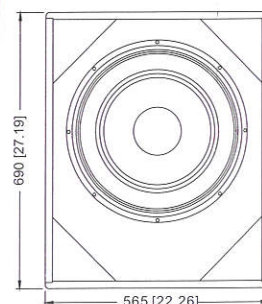
NDW-218BQ

Subwoofer



NDW-18BQ

Subwoofer



NDW Series

Model:	NDW-155BQ	NDW-18BQ	NDW-218BQ
System Power Rating	700w AES, 2800w Peak	700w AES, 2800w Peak	1400w AES, 5600w Peak
Frequency Range(±3dB)	40Hz-300Hz	35Hz-300Hz	35Hz-300Hz
Impedance	8ohm	8ohm	4ohm
Sound Pressure Level(1w/1m)/max.cont.	100dB/135dB SPL	100dB/134dB SPL	101dB/135dB SPL
Coverage	----	----	----
Transducers LF	15inch(100mm)voice coil neodymium magnet LF driver	18inch(100mm)voice coil ferrite magnet LF driver	2x18inch(100mm)voice coil ferrite magnet LF driver
M/HF			
Dimensions wxhxd(Inch)	19.69x26.30x23.62	22.26x27.19x23.64	44.88x17.72x32.31
wxhxd(Millimeter)	500x688x600	565x690x600	1100x560x820
Weight(Kg)	35	45	90
Connectors	2 x Neutrik NL4 Speakon	2 x Neutrik NL4 Speakon	2 x Neutrik NL4 Speakon

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NDW system applications

- Theater,night clubs,and houses of worship
- Stage monitor side fill and night clubs
- Can be used as a stand alone system
- Houses of worship,medium to large theatres
- All purpose,compact,flyable subwoofer
- Larger club performance
- Larger scale installs

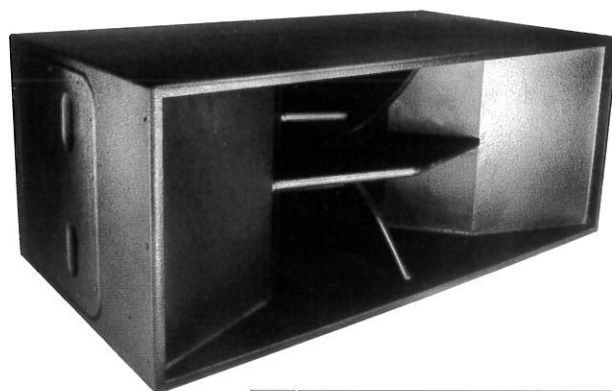
NDW system applications

- High power handling, high efficiency, low thermal compression
- NDW-12B,NDW-185BQ Front-loaded, optimized bass reflex design
- Reference subwoofer for NDW-6.5Q,NDW-10Q and NDW-12Q, compatible with all NDWmodels

Subwoofer

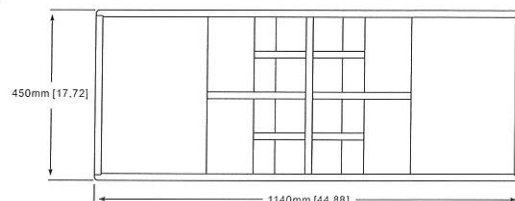
NDW-215BQ

The NDW-215BQ is a passive high power subwoofer system with dual 15inch(100mm voice coil) neodymium magnet LF driver. The system is front loaded by a hyperbolic horn with low flare rate. The rear of the driver is reflex loaded to extend the LF output to below the natural cut-off point of the horn. Thus, it serves as a core model for portable live performance sound reinforcement speaker,it is an ideal choice for corporate and industrial events. The NDW-12Q,NDW-10FQ and NDW-15Q can supply extreme SPL within the recommended bandpass of 40-300Hz . The loudspeaker enclosure is rectangular in shape and constructed with 18mm thickness high-density plywood,the enclosure constructs with an extensive internal bracing support. plywood and shall employ extensive internal bracing.



NDW-215BQ

optimized bass reflex design



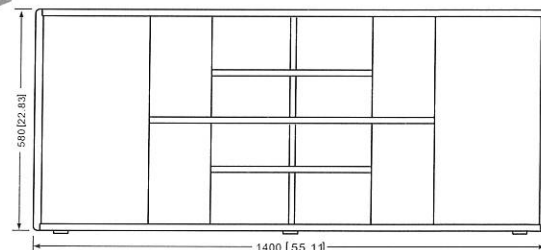
NDW-285BQ

The NDW-285BQ is a passive high power subwoofer system with dual 18inch(100mm voice coil) neodymium magnet LF driver. The system is front loaded by a hyperbolic horn with low flare rate. The rear of the driver is reflex loaded to extend the LF output to below the natural cut-off point of the horn. Thus, it serves as a core model for portable live performance sound reinforcement speaker,it is an ideal choice for corporate and industrial events. The NDW-12Q,NDW-10FQ and NDW-15Q can supply extreme SPL within the recommended bandpass of 40-300Hz . The loudspeaker enclosure is rectangular in shape and constructed with 18mm thickness high-density plywood,the enclosure constructs with an extensive internal bracing support. plywood and shall employ extensive internal bracing.



NDW-285BQ

Reflex Loaded Sub-woofer



NDW Series

Model:

System Power Rating
Frequency Range($\pm 3\text{dB}$)
Impedance
Sound Pressure Level(1w/1m)/max.cont.
Coverage
Transducers LF
M/HF
Dimensions wxhxd(Inch)
wxhxd(Millimeter)
Weight(Kg)
Connectors

NDW-215BQ

1400w AES,5600w Peak
35Hz-300Hz
4ohm
101dB/138dB SPL

2x15inch neodymium magnet Driver

44.88x17.72x23.82
1140x450x605
60
2 x Neutrik NL4 Speakon

NDW-285BQ

1600w AES,6400w Peak
35Hz-300Hz
4ohm
104dB/140dB SPL

2 x 18inch neodymium magnet Driver

55.11x22.83x30.70
1400x580x780
65
2 x Neutrik NL4 Speakon

Specifications

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