

opa 15NP

onpointaudio™
Acoustic Excellence™



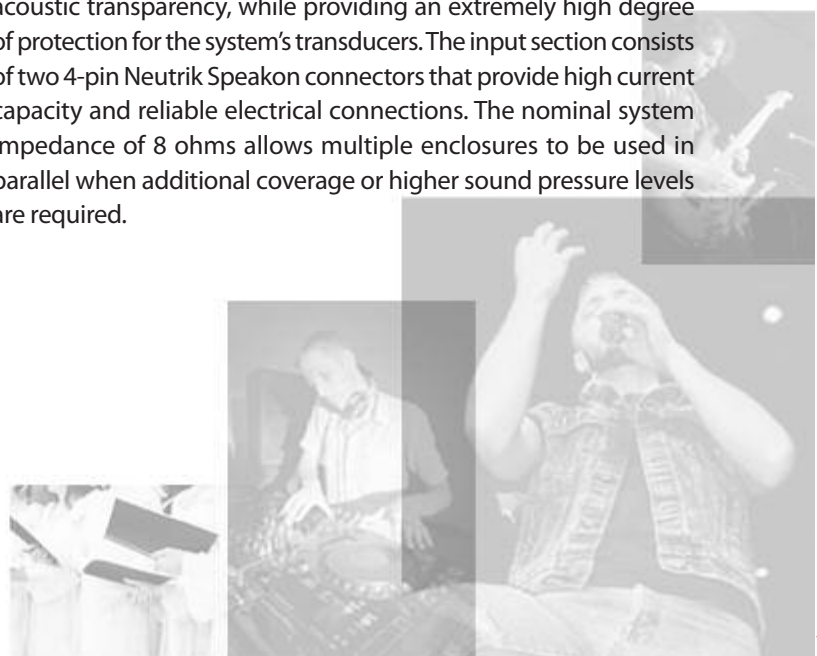
- Large-format trapezoidal 15-inch two-way system with extended low-end response
- Delivers highly-intelligible vocals, excellent musical definition and solid bass
- 60° x 40° High-Q constant-directivity horn delivers placement flexibility and excellent dispersion control
- Ultra-high efficiency 1.75-inch (44.5-mm) compression driver with titanium diaphragm
- Narrow-profile 15-inch woofer with large 4-inch voice coil
- 20 x M10 rigging / suspension points and industry-standard 1.375-inch (35 mm) pole mount for placement flexibility
- 128 dB / 125 dB max SPL (Peak / Continuous)
- Heavy-duty marine-grade plywood enclosure with tough wear-resistant Polyurethane finish

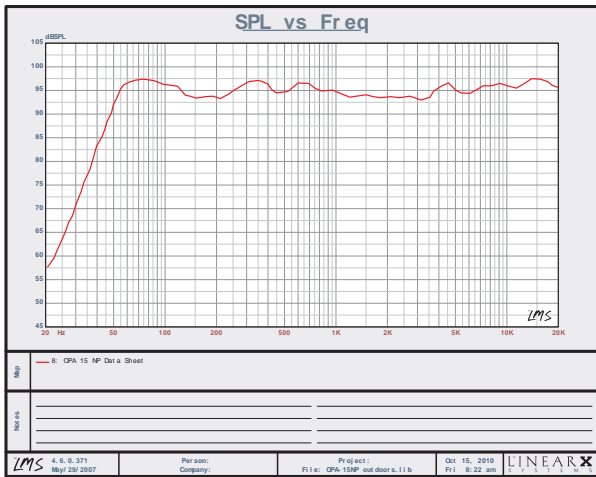
The On Point Audio OPA-15NP is a 15-inch two-way high-output sound reinforcement system. The design features minimized frontal area geometry and utilizes a newly-developed NP15N low-frequency woofer. The deep trapezoidal configuration will provide extended low-frequency response where a very narrow profile system design is required. The OPA-15NP was designed for portable sound reinforcement applications and is ideal for use in clubs, discotheques, houses of worship and other live performance or high-output recorded music venues. The design is ideal for portable applications.

The OPA-15NP uses a neodymium-driven 15-inch (381-mm) nominal diameter woofer that features a continuous power handling capacity of 800 watts. The transducer design is a very narrow profile geometry that utilizes a newly developed mechanical suspension system. The newly developed woofer, the NP15N, uses a true 15-inch diameter cone body that is coupled to an extremely narrow, but high displacement suspension system. This allows the NP15N's radiating surface to be mounted into a frame that is much smaller than traditional 15-inch woofers. The 800-watt power handling and high system reliability is achieved by using a large-format 4-inch (101-mm) diameter voice coil design with ultra-high temperature components. The low-frequency transducer employs a finite element optimized neodymium-iron-boron (Nd-Fe-Br) magnetic structure to provide superior efficiency/bandwidth and excellent linearity.

The high frequency horn is a fully-rotatable high-Q design that provides a very high degree of direct-to-reflected ratios. This insures very high intelligibility and long throw. The horn features a constant-directivity geometry that exhibits excellent pattern

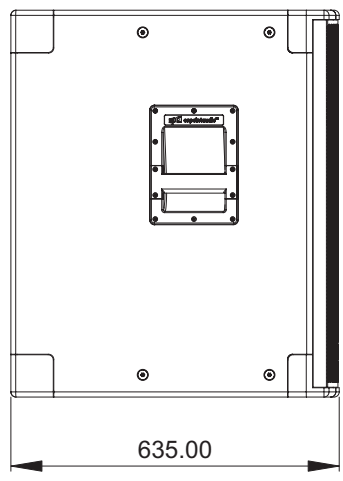
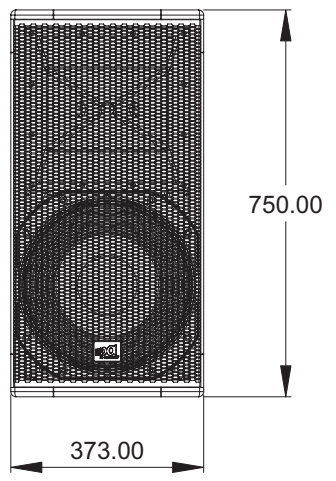
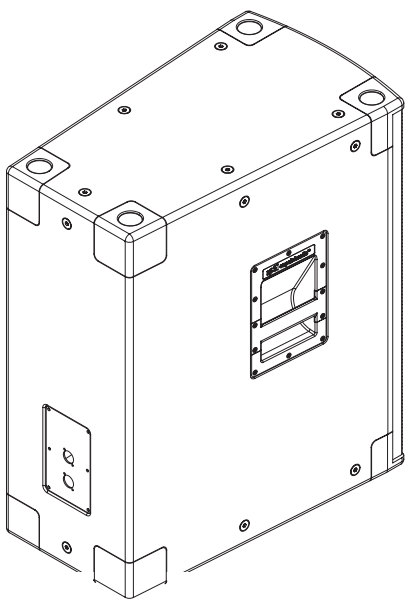
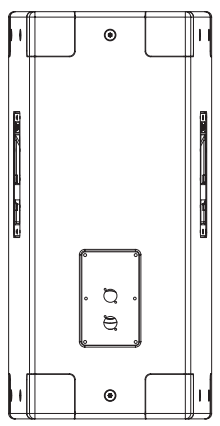
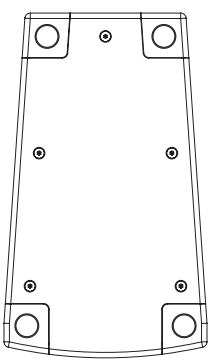
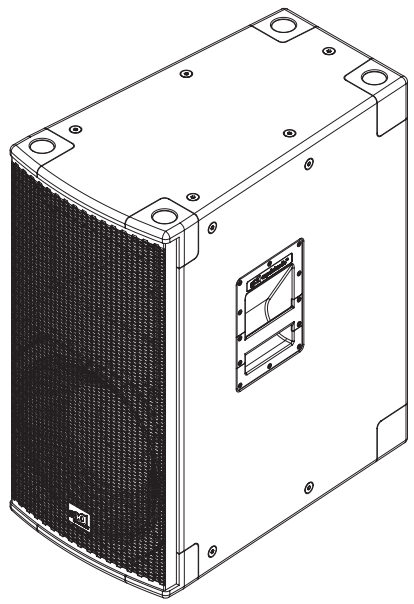
control over a wide frequency range. The nominal high frequency geometry is 60 degrees by 40 degrees and is ideal for longer-throw requirements and improved direct sound ratios. The compression driver is a medium-format 1.75-inch (44.5-mm) design with pure titanium diaphragm, coupled to a close-spaced phase plug. The rotatable high frequency horn allows the enclosure's acoustic radiation pattern to be optimized for either horizontal or vertical system orientations. The OPA-15NP features an 18-mm marine-grade birch plywood enclosure. The enclosure's geometry utilizes a deep trapezoidal configuration that maximizes low-frequency output, while minimizing frontal presentation. The enclosure features 20 very rugged M10 (10-mm) rigging points designed to allow quick suspension in a variety of permanent installations. The grill is made of heavy-gauge coated steel that will maximize acoustic transparency, while providing an extremely high degree of protection for the system's transducers. The input section consists of two 4-pin Neutrik Speakon connectors that provide high current capacity and reliable electrical connections. The nominal system impedance of 8 ohms allows multiple enclosures to be used in parallel when additional coverage or higher sound pressure levels are required.





Specifications

System Type:	Vented 15-inch two-way full-range large-format
Frequency Range (-10 dB):	45 Hz - 18,000 Hz
Frequency Response (-3 dB):	55 Hz - 16,000 Hz
Power Rating (Peak / Continuous):	3,200 / 800 watts
Coverage Pattern (H x V):	60° x 40° rotatable
Nominal Impedance:	8 ohms
Full-Space System Sensitivity:	96 dB
Rated Max SPL (Peak / Continuous):	128 dB / 125 dB
LF Driver:	NP15N 15-inch
HF Driver:	ND175 1.75-inch titanium
Dimensions (H x W x D) inches:	29.5 x 14.7 x 25 in
Dimensions (H x W x D) mm:	750 x 373 x 635 mm
Enclosure Material:	Marine-Grade Plywood
Net Weight :	94 lb / 38 kg



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