

opa 15YNP

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Acoustic Excellence™



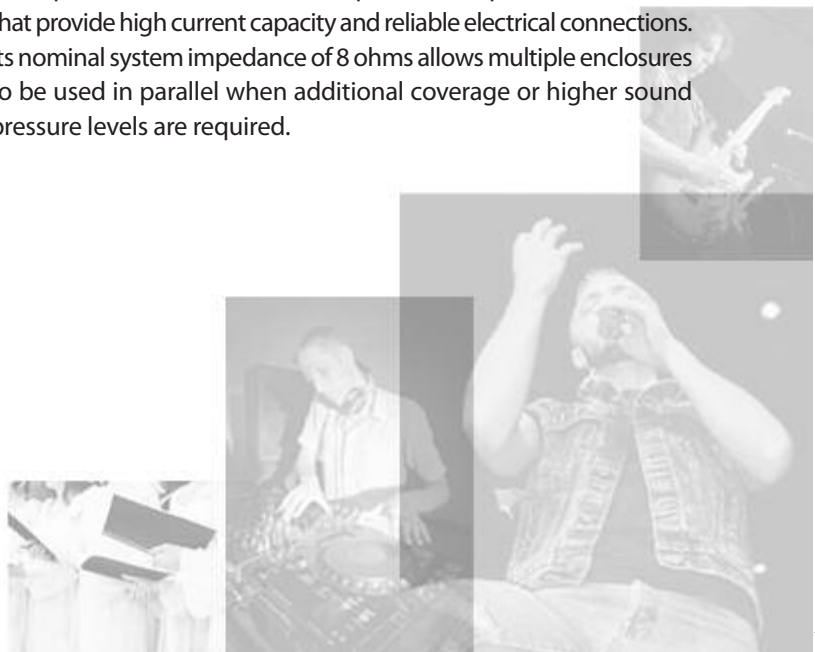
- Compact 15-inch two-way system with trapezoidal enclosure
- Response optimized for highly-intelligible vocals and excellent musical definition
- Fully-rotatable 90° x 40° constant-directivity high-frequency horn for placement flexibility
- Ultra-high efficiency 1.75-inch compression driver with titanium diaphragm
- Narrow-profile 15-inch woofer with large 4-inch voice coil and neodymium magnet
- Equipped with industry-standard 1.375-inch (35-mm) pole mount
- 128 dB / 125 dB max SPL (Peak / Continuous)
- Heavy-duty marine-grade plywood enclosure with tough wear-resistant Polyurethane finish

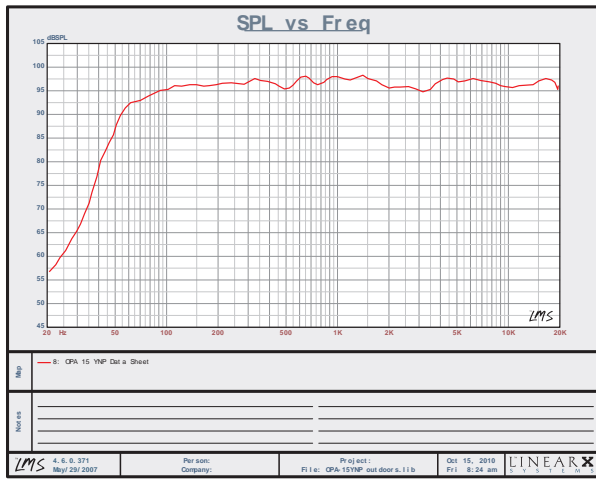
The On Point Audio OPA-15YNP is a 15-inch two-way high output sound reinforcement system. The design features minimized frontal area geometry and utilizes a newly-developed NP15N low-frequency woofer. The trapezoidal configuration will provide excellent closely-coupled arrays. The OPA-15YNP was designed for portable sound reinforcement applications and is ideal for use in churches, clubs, discotheques, and other live performance or high-output recorded music venues. The design is lightweight and ideal for portable applications. The relatively small size allows for easy portability.

The OPA-15YNP uses a 15-inch (381-mm) nominal diameter, neodymium-powered woofer that features a continuous power handling capacity of 800 watts. The transducer's design is a very narrow profile geometry that utilizes a newly-developed mechanical suspension system. This newly-developed woofer, the NP-15N, uses a true 15-inch diameter cone body that is coupled to an extremely narrow, but high-displacement suspension system. This allows the 15-inch radiating surface to be mounted into a frame that is much smaller than traditional 15-inch woofers. Its 800-watt power handling and high system reliability are achieved by using a large-format 4-inch (101-mm) diameter voice coil design and ultra-high temperature components. The low frequency transducer employs a finite-element optimized neodymium-iron-boron (Nd-Fe-Br) magnetic structure that provides superior efficiency/bandwidth and excellent linearity. The high-frequency horn is a fully-rotatable low-Q design that provides a very wide, but controlled coverage pattern. The horn features constant-directivity geometry that exhibits excellent pattern control over a wide frequency range. The nominal high-frequency geometry is 90 degrees by 40 degrees and is ideal for wide and short-throw requirements in smaller venues.

The compression driver is a high-output 1.75-inch (44.5-mm) design with a pure titanium diaphragm that is coupled to a close-spaced phase plug. The rotatable high frequency horn allows the enclosure's acoustic radiation pattern to be optimized in either horizontal or vertical system orientations.

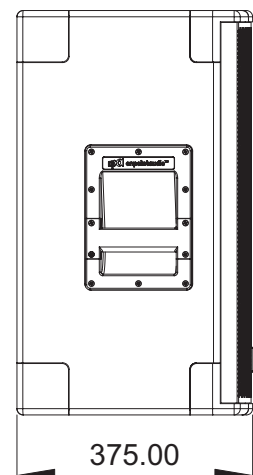
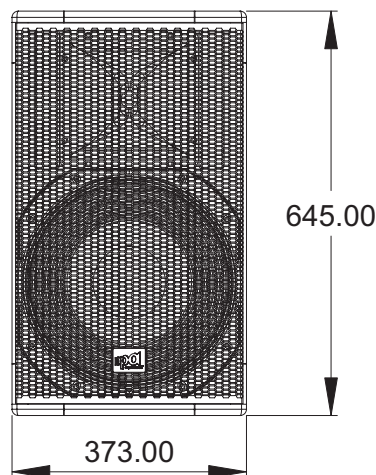
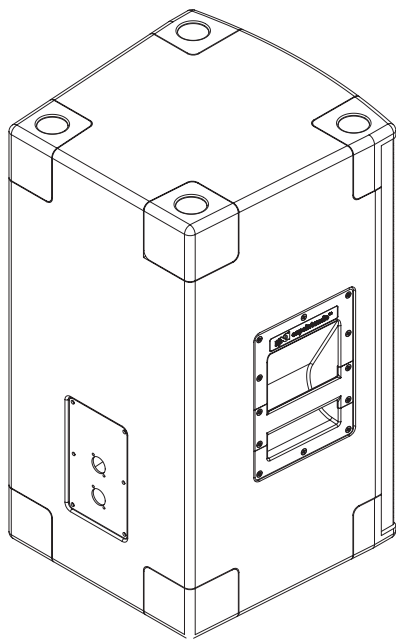
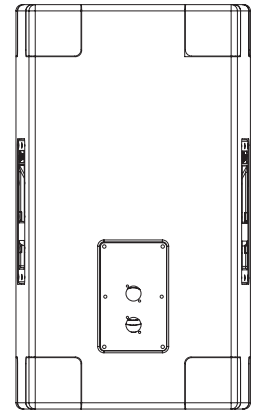
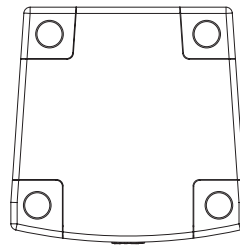
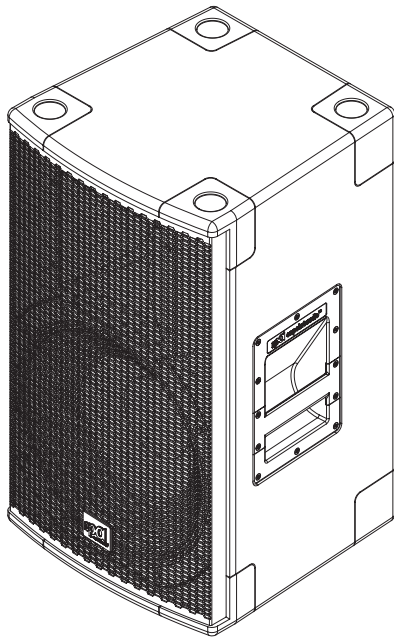
The OPA-15YNP features an 18-mm true marine-grade birch plywood enclosure. The enclosure geometry utilizes a trapezoidal configuration that maximizes low frequency output, while minimizing frontal presentation. The trapezoidal enclosure geometry allows close-pack array configurations and the available On Point Audio subwoofer options combine to produce world-class system performance. The enclosure features a standard-diameter loudspeaker stand mount adaptor. The grill is made of heavy-gauge coated steel that maximizes acoustic transparency, while providing an extremely high degree of protection for the system transducers. The input section consists of two 4-pin Neutrik Speakon connectors that provide high current capacity and reliable electrical connections. Its 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
Frequency Range (-10 dB):	55 Hz - 18,000 Hz
Frequency Response (-3 dB):	65 Hz - 16,000 Hz
Power Rating (Peak / Continuous):	3,200 / 800 watts
Coverage Pattern (H x V):	90° 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:	25.3 x 14.7 x 14.8 in
Dimensions (H x W x D) mm:	645 x 373 x 375 mm
Enclosure Material:	Marine-Grade Plywood
Net Weight :	57 lb / 26 kg



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