



Spec Sheet

OPERA P15

2-Way Passive Speaker
1x15"/1", 400W RMS - 8 Ohms



Applications

- Live music
- Clubs
- Fixed Installations
- Stage monitoring

Features

- 2-Way Passive Loudspeaker
- 400W RMS / 800W Peak Power
- 1" compression driver with 1.75" voice coil
- 80°/65° x 60° directivity
- Asymmetric CD Horn
- 15" woofer with 3" voice coil
- Low-Noise Reflex Ports design
- Multifunction Housing
- Polypropylene housing for maximum lightness and strength

Description

OPERA P15 is a passive speaker studied for sound reinforcement applications in small-to-medium venues. Despite its small size, it delivers high sound pressure with a frequency response that has nothing to envy to those expensive and heavy wood speakers.

The P15 is equipped with a 15" woofer (3" voice coil) and a 1" compression driver (1.75" voice coil), loaded with 80°/65°x60° asymmetric horn.

It is also equipped with an internal passive filter, to allow separate management of acoustic components by splitting the incoming audio signal into low and high frequencies. Crossover filters have a slope of 12dB/oct. for the low-pass and 18dB/oct. for the high-pass. High-frequency transducer is also protected from overloads through a self-resetting thermal protection circuit (PTC).

The asymmetrical horn design delivers similar effective coverage for smaller applications. The high-frequency horn is narrower on top to bundle sound and throw it over greater distances. It flares out at the bottom to achieve a wider pattern of throw. This compensates for high frequency loss as sound travels further from the source and distributes the signal more uniformly across all audience areas.

The OPERA P15 box design features enlarged bass reflex openings that in addition to confer a stylish look to the speaker, cut annoying wind noise by up to 50% and deliver enhanced, extremely tight and focused bass response.

The speaker is made in reinforced polypropylene and the acoustic components are protected by 1.2mm metal grille with internal foam, which protects them from mud and moisture. The polypropylene satisfies rigorous quality standards in the production of professional acoustic speakers. The use of this material makes it possible to obtain products with innovative design and suitable for various fields of application because of its strength and lightness.

The P15 has a multifunctional housing that offers many placement options. For instance, it can be used as a floor monitor thanks to the 43° angle of its back shell. It can also be used as a satellite speaker in combination with subwoofers or as a full-range system on a pole or a tripod thanks to the standard D36mm pole mount cup. Finally, it is provided with one top handle and two sides handles, which make extremely convenient its transportation.

A practical and durable gig bag (optional) protects the speaker during transport; a wall-mount bracket (optional) makes the P15 also suitable for fixed installations in small to medium environments.

OPERA P15

Technical Specifications

System Specifications

Speaker Type	2-Way Passive Speaker
--------------	-----------------------

Acoustical Data

Nominal Power Rating	400 W/RMS
Program Power Rating	800 W/Peak
Impedance	8 Ohms
Frequency Response	[- 10dB] 68 - 19.500 Hz
Max SPL	128 dB
HF	1"
Voice Coil HF	1.75"
Driver Protection	PTC
Directivity	80°/65°x 60°
Horn	Asymmetrical CD Horn
Crossover Frequency (passive)	2100 Hz
A	
LF	15"
Voice Coil LF	3"

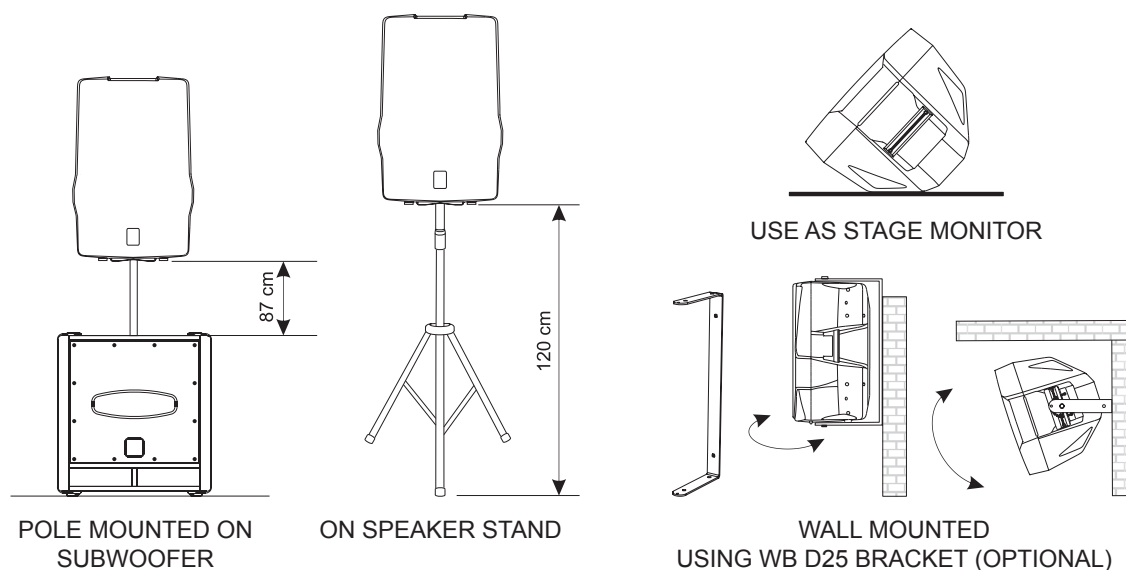
Inputs

Input Connectors	2 x Speakon®
------------------	--------------

Mechanics

Housing	Polypropylene PP
Angles Up	43° for stage monitor use
Handles (rubber)	two on sides, one on top
Pole Mount	36 mm
Dimensions (WxHxD)	432 x 655 x 353 mm - 17.01 x 25.79 x 13.90 in
Weight	18.4 kg - 40,57 lbs.

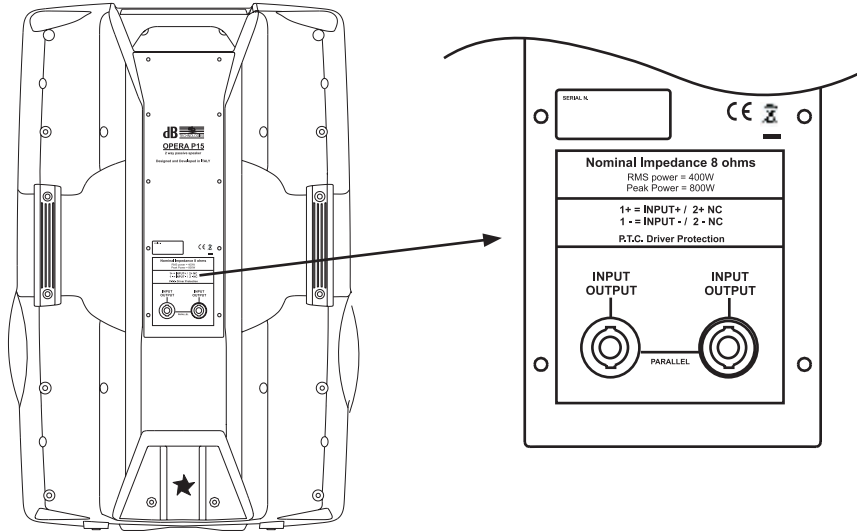
Installation Examples



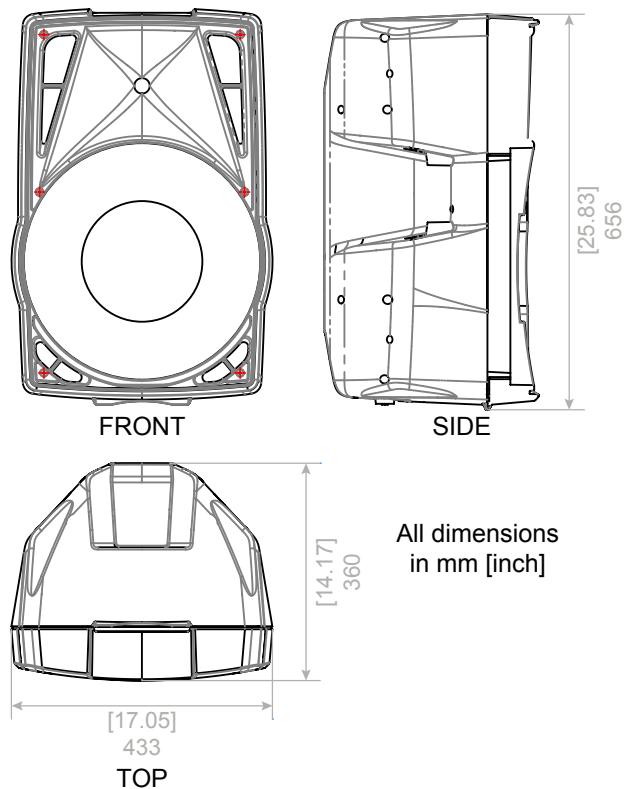
OPERA P15

Technical Specifications

Rear Panel



Overall Dimensions



Accessories

TT OP25	Waterproof padded cover
WB 09	Universal wall mount bracket, swivel and tilt Ø35mm pole mount
WB D25	Wall bracket "U" shaped for wall or truss mounting, either vertically or horizontally.

info@dbtechnologies.com www.dbtechnologies.com

dBTechnologies products are continually improved. All specifications are therefore subject to change without notice.