

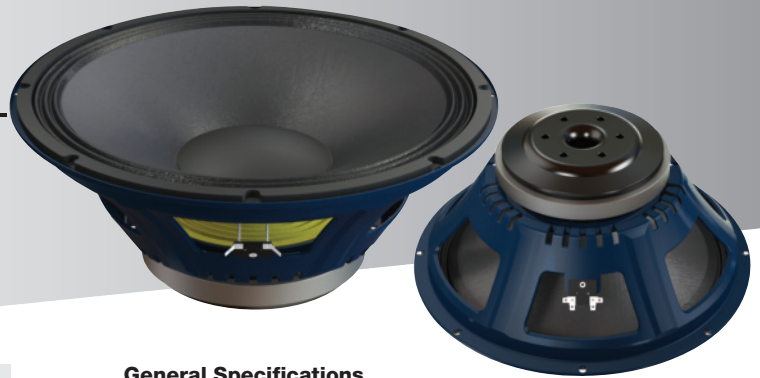
**EX
SERIES**

EX15-500S

Ferrite Magnet Steel Chassis

Features

- 3" Voice coil
- 800 Watts Continuous program power capacity
- Ferrite magnetics
- Precision circular wire geometry
- Stamped steel chassis



The P Audio EX15-500S is a high output low frequency transducer. The EX15-500S is an upgraded design that features many of P Audio's new technologies and performance upgrades. The 15 inch (381mm) diameter piston will produce extremely high sound pressure levels at very low frequencies and is ideal for high level deep bass and sub woofer response in both live sound and recorded music venues. The operating bandwidth of the EX15-500S is 45Hz to 3500Hz. The transducer uses high energy ferrite magnetics to achieve a very high acoustic output to weight ratio.

The EX15-500S employs a medium format 3 inch (76.2mm) diameter voice coil that provides an AES rated 400 watts and 800 watts of Continuous Program Power Capacity. The EX15-500S utilizes P Audio's under damper venting technology to improve transducer air flow and reduce turbulence under the damper and around the voice coil.

The voice coil design is a bobbin wound geometry with P Audio's precision round wire technology to maximize system conversion efficiency.

The suspension has been designed specifically for high linear displacement and extended low frequency response.

The transducer chassis is a heavy gauge stamped steel design that insures a very high degree of structural integrity.

General Specifications

Nominal Diameter	381 mm (15 in)
Nominal Impedance	8 Ω
Nominal Power Handling	400 W(AES)
Continuous Program Power Capacity	800 W
Sensitivity	97 dB
Frequency Range	45-3500 Hz
Voice Coil Diameter	76.2 mm (3 in)
Voice Coil Material	Copper
Former Material	Kapton
Effective Piston Diameter	333 mm (13.1 in)
Flux Density	1.1T

Physical Information

Magnet Material	Ferrite
Basket Material	Heavy Duty Stamp Steel
Surround Material	Cloth
Cone Material	Paper
Dust Cap Material	Paper
Spider Material	Cotton (Single)
Gasket	EVA
Pole Design	T-Pole
Woofer Cone Treatment	No Treatment

Parameters

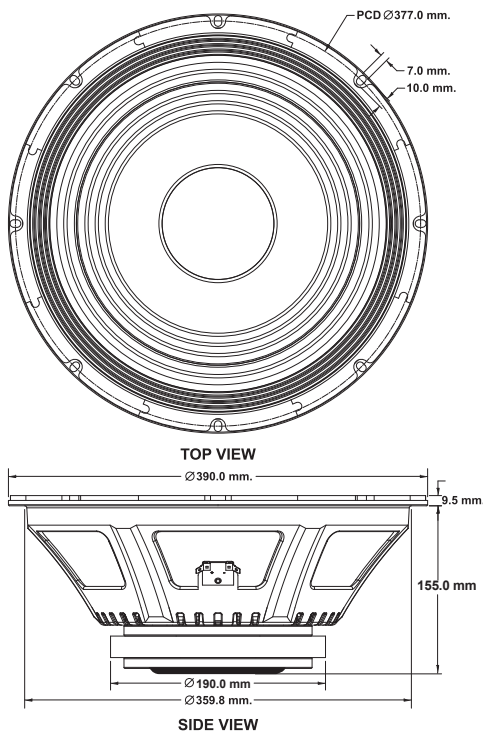
Fs	45 Hz	Vas	136.0 lt
Re	6.3 Ω	Sd	885.3 cm ²
Qms	6.09	Le	0.88 mH
Qes	0.47	Eff (η _o)	2.68%
Qts	0.43	Cms	1.3 e-04 m/N
BL	18.8Tm	Xmax	4.5 mm
Mms	92.54 g	Hag	9.5 mm
Mmd	78.16 g	Hvc	18.5 mm

Mounting and Shipping Info

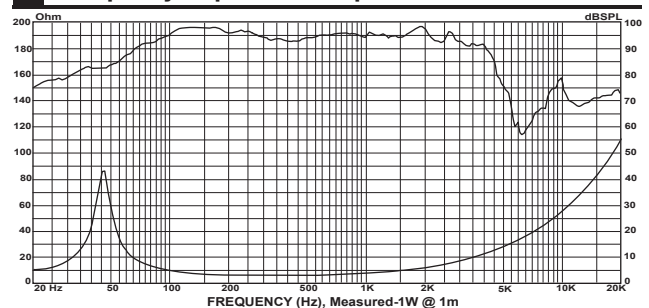
Diameter	390.0 mm (15.3 in)
Baffle Cutout Diameter	359.8mm (14.1 in)
Mounting Hole Diameter	377.0 mm (14.8 in)
Bolt Circle Diameter	8 x Ø (7x10) mm
Depth	155 mm (6.1 in)
Flange and Gasket Thickness	9.5 mm (0.37 in)
Net Weight	7.3 kg
Shipping Units	1
Shipping Weight	8.1 kg
Shipping Box	415 x 415 x 212 mm

Recone Kit

N/A



Frequency response and Impedance curve

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