

# 12W800A

Professional Low Frequency Driver



KEY FEATURES

- 2.5" Voice coil
- 800 Watts continuous program power
- 97 dB Sensitivity
- 55 - 5,800 Hz

GENERAL SPECIFICATIONS

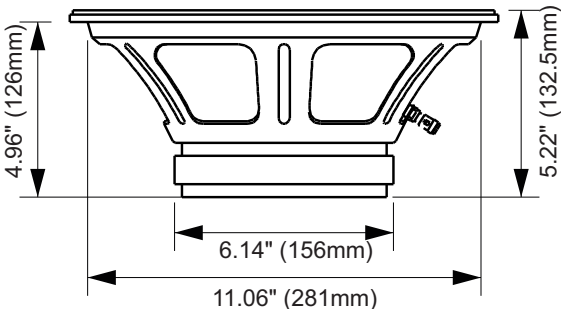
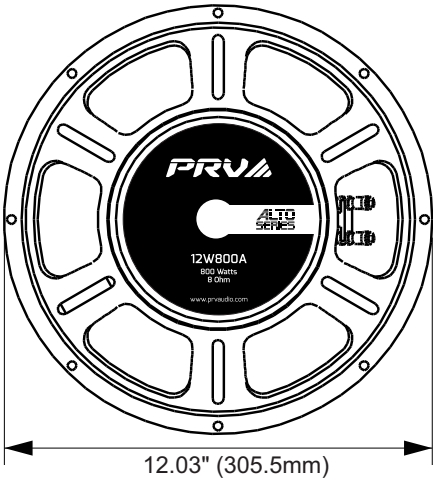
Nominal Diameter	12" (305 mm)
Nominal impedance	8 Ohm
Nominal Power Handling	400 Watts
Continuous Program Power (RMS)	800 Watts
Max Peak Power	1600 Watts
Sensitivity 2.83V at 1m	97 dB
Recommended Hi Pass Crossover*	115 Hz*
*For Full Power Handling	*12db Per Octave Crossover
Frequency Response	55 - 5,800 Hz
Voice Coil Diameter	2.5" (65 mm)
Voice Coil Wire	CCAW
Voice Coil Winding Depth	16.2 mm
Former Material	Polyimide
Magnetic Gap Depth	6.5 mm
Frame Material	Stamped steel

THIELE-SMALL PARAMETERS

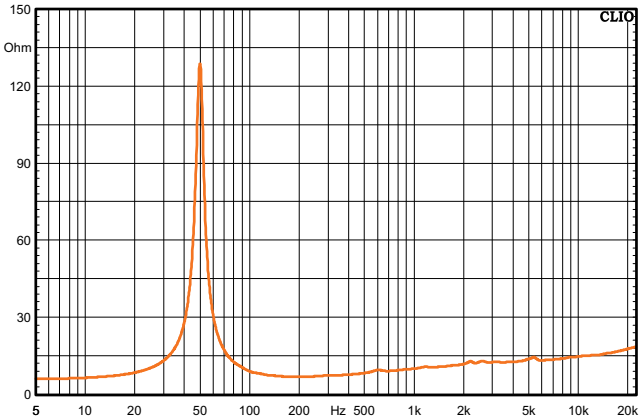
Equivalent Volume	Vas	93.9 l
Excursion (mathematical)***	Xmax	5.72 mm
Free Air Resonance	Fs	49.8 Hz
Mechanical Factor	Qms	11.89
Electrical Factor	Qes	0.49
Total Factor	Qts	0.47
Cone Area	Sd	552 cm <sup>2</sup>
Mechanical Mass	Mms	46.24 g
Bl Factor	BL	12.71 Tm
Dc Resistance	Re	5.5 Ohm
Inductance	Le	0.45 mH at 1 kHz
Mechanical Mass Without Air	Mmd	38.90 g
Mechanical Compliance	Cms	0.221 mm/N

EXTRA INFO

Overall Diameter	12.03" (305.5 mm)
Front Mount Baffle Cutout	11.06" (281 mm)
Mounting Depth	4.96" (126 mm)
Overall Depth	5.22" (132.5 mm)
Net Weight	10.80Lbs (4.90 kg)
Shipping Weight	12.10 Lbs (5.50 kg)
Carton Dimensions W x L x H	13.58" x 13.58" x 7.48" (345 x 345 x 190 mm)

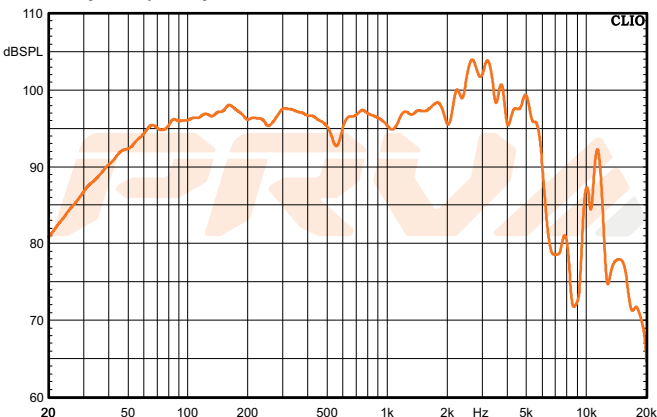


Impedance Curve - Free Air



\*\*\*Xmax=(Voice coil winding depth-Magnetic Gap depth)/2+ Magnetic Gap Depth/4

Frequency Response Measured at 2.83V/1m



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