

## PROFESSIONAL SERIES

# IMPERO™ 12A

High power driver recommended for pro audio in vented enclosures. Ideal for two-way top boxes, full-range two-way boxes, bass guitar boxes, and small subwoofers.

- 2200 W Program Power
- 12" Nominal Diameter
- 8 Ω

APPLICATION		ENCLOSURE	
Midrange	<input type="checkbox"/>	Sealed Box	<input type="checkbox"/>
Midbass	<input checked="" type="checkbox"/>	Vented Box	<input checked="" type="checkbox"/>
Woofer	<input checked="" type="checkbox"/>	Scoop Loading	<input checked="" type="checkbox"/>
Subwoofer	<input checked="" type="checkbox"/>	Horn Loading	<input checked="" type="checkbox"/>
Bass Guitar	<input checked="" type="checkbox"/>		



### SPECIFICATION

Nominal Basket Diameter	12", 305 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	2200 W
Nominal Power	1100 W
Resonance	43 Hz
Usable Frequency Range	56 Hz – 3 kHz
Sensitivity*	93 dB
Magnet Weight	109 oz.
Gap Height	0.5", 12.7 mm
Voice Coil Diameter	4", 102 mm

### THIELE & SMALL PARAMETERS

Fs	43 Hz
Re	5.58 Ω
Le	1.46 mH
Qms	13.84
Qes	0.33
Qts	0.32
Vas	2.48 cu.ft., 70.2 liters
Vd	339.4 cc
Cms	0.17 mm/N
BL	19.49 T-M
Mms	83 grams
EBP	130
Xmax	6.22 mm
Sd	545.4 cm <sup>2</sup>
Xlim	12.5 mm

### MOUNTING INFORMATION

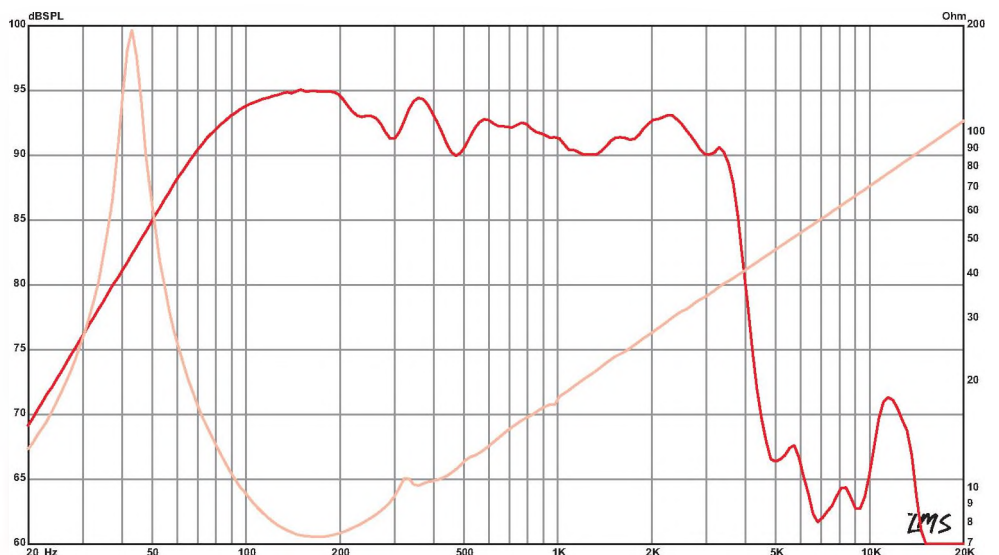
Recommended Enclosure Volume	
Sealed	N/A
Vented	33.98–118.93 liters, 1.2–4.2 cu.ft.
Driver Volume Displaced	0.106 cu.ft., 3 liters
Overall Diameter	12.38", 314.5 mm
Baffle Hole Diameter	11.06", 280.9 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.28", 7.1 mm
Mounting Holes B.C.D.	11.69", 296.9 mm
Depth	6.13", 155.7 mm
Net Weight	24.2 lbs., 10.98 kg
Shipping Weight	26.6 lbs., 12.07 kg

### MATERIALS OF CONSTRUCTION

Copper voice coil
Fiberglass former
Ferrite magnet
Bumped Vented Extended core
Die-cast aluminum basket
Water resistant paper cone
Treated cloth cone edge
Water resistant treated paper dust cap



### FREQUENCY RESPONSE & IMPEDANCE CURVE\*



\* See footnotes on page 155 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.