

Product Details

Brand	Eminence Speaker
Model	IMPERO 12A
Part Number	290-690
UPC	876358002023
Unit of Measure	Each
Weight	26.6

Product Specifications

Nominal Diameter	12"
Moving Mass Of Diaphragm (Mmd)	83
Power Handling (RMS)	1100 Watts
Power Handling (MAX)	2200 Watts
Impedance	8Ω
Frequency Response	56 to 3,000Hz
Sensitivity	93dB 2.83V/1m
Voice Coil Diameter	4"

Thiele-Small Parameters

Resonant Frequency (Fs)	43Hz
DC Resistance (Re)	5.58Ω
Voice Coil Inductance (Le)	1.46mH
Mechanical Q (Qms)	13.84
Electromagnetic Q (Qes)	0.33
Total Q (Qts)	0.32
Compliance Equivalent Volume (Vas)	2.48ft ³

Thiele-Small Parameters

Mechanical Compliance of Suspension (Cms)	0.17mm/N
BL Product (BL)	19.49T·m
Maximum Linear Excursion (Xmax)	6.22mm
Surface Area of Cone (Sd)	545.4cm ²

Materials of Construction

Cone Material	Treated Paper
Surround Material	Cloth
Voice Coil Wire Material	Copper
Voice Coil Former	Fiberglass
Basket / Frame Material	Cast Aluminum
Magnet Material	Ferrite

Mounting Information

Overall Outside Diameter	12.38"
Baffle Cutout Diameter	11.06"
Depth	6.13"
# Mounting Holes	8

Optimum Cabinet Size (determined using BassBox 6 Pro High Fidelity suggestion)

Sealed Volume	0.46ft ³
Sealed F3	106Hz

Optimum Cabinet Size (determined using BassBox 6 Pro High Fidelity suggestion)

Vented Volume	0.95ft ³
Vented F3	65Hz