

Specification

Nominal Basket Diameter	8-1/4", 209.5mm
Nominal Impedance	8-Ohms
Power Rating	80 Watts
Resonance	86.6Hz
Usable Frequency Range	86.6Hz - 10kHz
Sensitivity	94.1 dB
Magnet Weight	42.2 oz.
Voice Coil Diameter	2", 50.8mm

Thiele & Small Parameters

Resonant Frequency (Fo)	86.6Hz \pm 15%
DC resistance (Re)	7.2 Ohms
Coil Inductance (Le)	463.207m mH
Mechanical Q (Qms)	8.067
Electromagnetic Q (Qes)	0.454
Total Q (Qts)	0.429
Compliance Equivalent Volume (Vas)	11.696 Ltr / 0.41 cu.ft.
Mechanical Compliance of Suspension (Cms)	175.843m mm/N
BL Product (BL)	12.884 T-M
Diaphragm Mass (Mmd)	17.399 grams
Maximum Linear Excursion (Xmax)	3.2 mm
Surface Area of Cone (Sd)	216.424 sqM

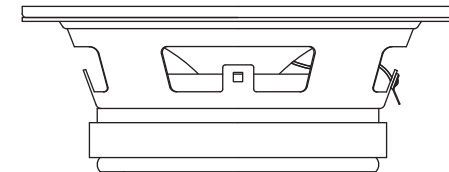
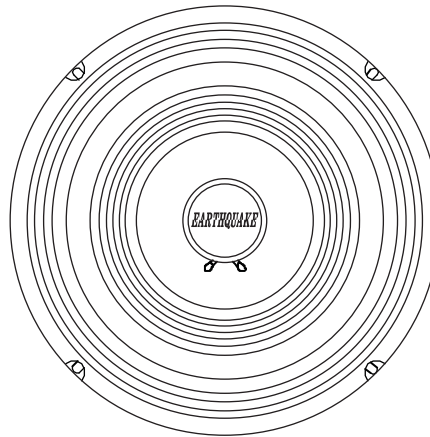
Mounting Information

Recommended Enclosure Volume	
Sealed	liters/ ft3
Vented	liters/ ft3
Overall Diameter	8-1/4", 209.5mm
Cut Out Diameter	7 1/16", 180mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	8-5 x 9mm
Depth	3-4/8", 88mm

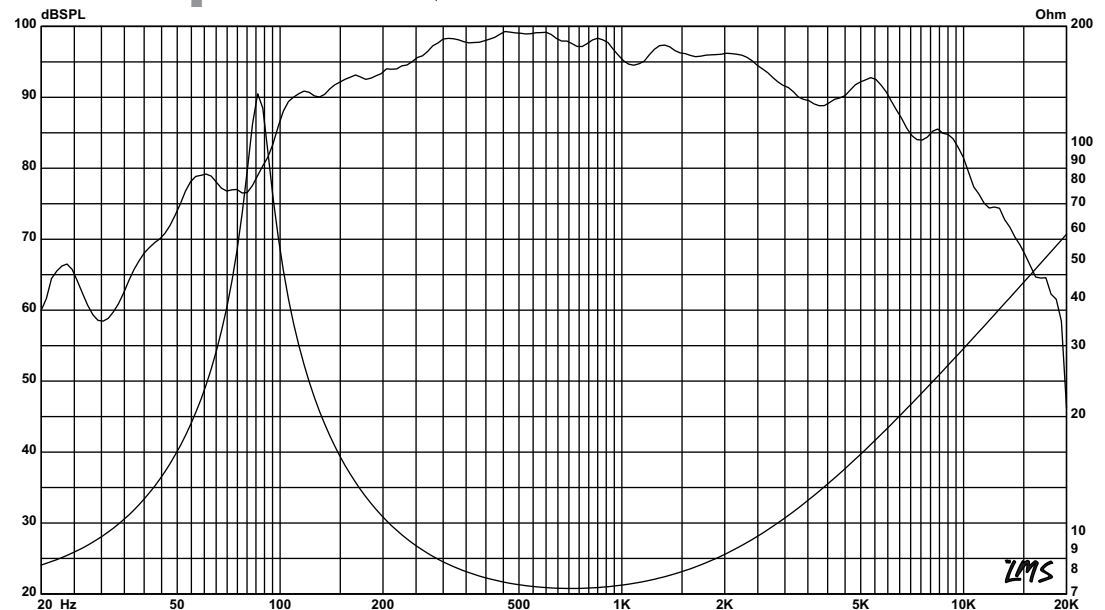
Materials of Construction

Copper voice coil
Polyimide former
Ferrite magnet
Vented and extended core
Stamped steel basket
Paper cone
Cloth surround
Solid composition paper dust cap

EARTHQUAKE
SOUND
Sound That Will Move You



Earthquake EQ88 Pro Audio Series



SPL vs Freq

Earthquake Sound Corporation
2727 McCone Avenue • Hayward, CA 94545 • phone: 800-576-7944
fax: 510-732-1095 • www.earthquakesound.com