BETA-12LTA

Recommended for professional audio as a woofer in small sealed monitors, or as a PA woofer or monitor in a vented enclosure.

- **450 W** Program Power
- **12"** Nominal Diameter
- **8 Ω**

APPLICATION		ENCLOSURE	
Midrange	✔	Sealed Box	✔
Midbass	✔	Vented Box	✔
Woofer	✔	Scoop Loading	
Subwoofer		Horn Loading	
Bass Guitar			

SPECIFICATION

Nominal Basket Diameter	12", 305 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	450 W
Nominal Power	225 W
Resonance	45 Hz
Usable Frequency Range	48 Hz – 8 kHz
Sensitivity*	97.7 dB
Magnet Weight	38 oz.
Gap Height	0.312", 7.9 mm
Voice Coil Diameter	2", 51 mm

THIELE & SMALL PARAMETERS

Fs	45 Hz
Re	7.37 Ω
Le	0.83 mH
Qms	6.44
Qes	0.55
Qts	0.51
Vas	4.81 cu.ft., 136.3 liters
Vd	170 cc
Cms	0.34 mm/N
BL	11.7 T-M
Mms	36 grams
EBP	82
Xmax	3.2 mm
Sd	532.4 cm2
Xlim	8 mm

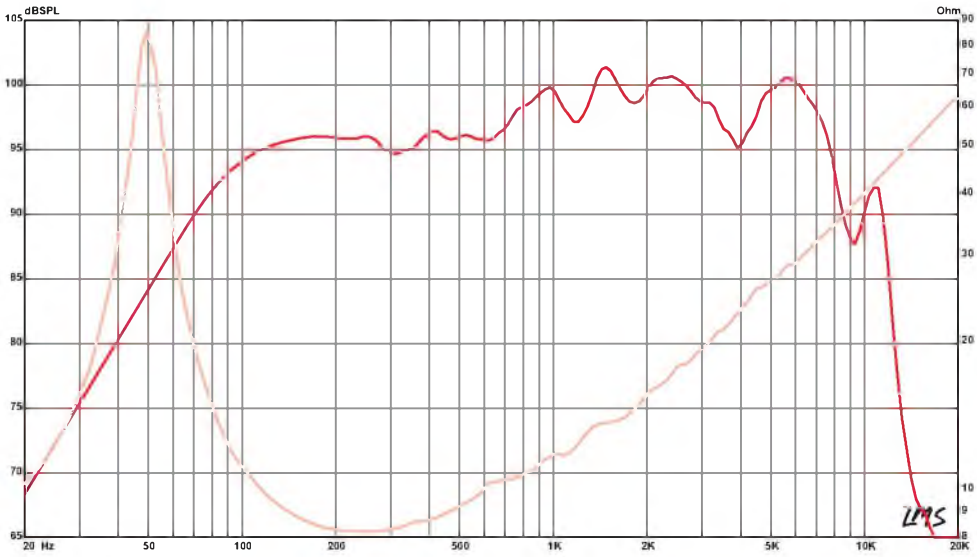
MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	14–51 liters, 0.5–1.8 cu.ft.
Vented	56.6–116 liters, 2–4.1 cu.ft.
Driver Volume Displaced	0.071 cu.ft., 2 liters
Overall Diameter	12.03", 305.6 mm
Baffle Hole Diameter	11.07", 281.2 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.25", 6.4 mm
Mounting Holes B.C.D.	11.59", 294.4 mm
Depth	4.47", 113.5 mm
Net Weight	8.1 lbs , 3.67 kg
Shipping Weight	10.2 lbs , 4.63 kg

MATERIALS OF CONSTRUCTION

- Copper voice coil
- Polyimide former
- Ferrite magnet
- Vented core
- Pressed steel basket
- Paper cone
- Cloth cone edge
- Solid composition paper dust cap

FREQUENCY RESPONSE & IMPEDANCE CURVE*



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