

PROFESSIONAL SERIES

LA 10850

A high power midrange driver in a shallow cast frame with an inverted dust cap for close placement to phase plugs used in many horn loaded designs. Also suitable as a high power midbass driver in small conventional vented enclosures, or as a high power midrange in very compact sealed enclosures.

- 700 W Program Power
- 10" Nominal Diameter
- 8 Ω

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

SPECIFICATION

Nominal Basket Diameter	10", 254 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	700 W
Nominal Power	350 W
Resonance	55 Hz
Usable Frequency Range	120 Hz – 4.3 kHz
Sensitivity*	98.7 dB
Magnet Weight	80 oz.
Gap Height	0.375", 9.5 mm
Voice Coil Diameter	3", 76 mm

MATERIALS OF CONSTRUCTION

Aluminum voice coil
Polyimide former
Ferrite magnet
Vented and extended core
Die-cast aluminum basket
Water resistant treated paper cone
Paper cone edge
Water resistant treated paper dust cap



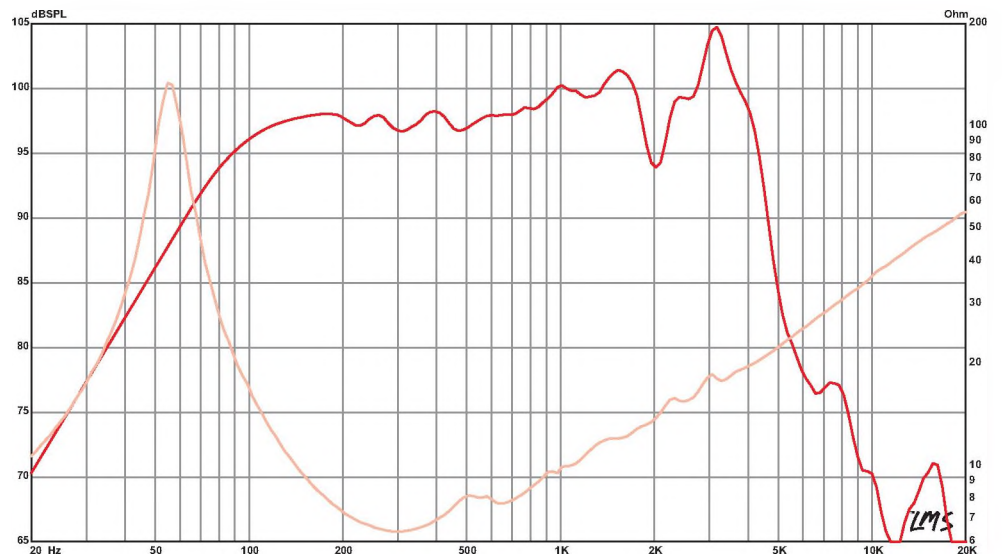
THIELE & SMALL PARAMETERS

Fs	55 Hz
Re	5.13 Ω
Le	0.54 mH
Qms	9.09
Qes	0.26
Qts	0.25
Vas	2.04 cu.ft., 57.68 liters
Vd	106.2 cc
Cms	0.31 mm/N
BL	13.44 T-M
Mms	26 grams
EBP	212
Xmax	2.9 mm
Sd	366.1 cm ²
Xlim	10.4 mm

MOUNTING INFORMATION

Recommended Enclosure Volume	Sealed	15.57–33.98 liters, 0.55–1.2 cu.ft.
	Vented	16.71–38.23 liters, 0.59–1.35 cu.ft.
Driver Volume Displaced		0.061 cu.ft., 1.72 liters
Overall Diameter		10.27", 260.9 mm
Baffle Hole Diameter		9.14", 232.2 mm
Front Sealing Gasket		Yes
Rear Sealing Gasket		Yes
Mounting Holes Diameter		0.28", 7.1 mm
Mounting Holes B.C.D.		9.75", 247.7 mm
Depth		4.5", 114.3 mm
Net Weight		15 lbs., 6.8 kg
Shipping Weight		16.15 lbs., 7.33 kg

FREQUENCY RESPONSE & IMPEDANCE CURVE*



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