

PROFESSIONAL SERIES

LA 15850

Shallow 15 inch high power cast frame woofer with a 4 inch voice coil and super strong cone body. The inverted dust cap allows close placement to phase plugs used in many horn loaded designs.

- 1600 W Program Power
- 15" 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 type="checkbox"/>		

SPECIFICATION

Nominal Basket Diameter	15", 381 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	1600 W
Nominal Power	800 W
Resonance	34 Hz
Usable Frequency Range	45 Hz – 1.5 kHz
Sensitivity*	96.2 dB
Magnet Weight	109 oz.
Gap Height	0.375", 9.5 mm
Voice Coil Diameter	4", 102 mm

MATERIALS OF CONSTRUCTION

- Copper voice coil
- Polyimide former
- Ferrite magnet
- Core and Spider Land extended
- Die-cast aluminum basket
- Water resistant treated paper cone
- Paper cone edge
- Water resistant treated paper dust cap



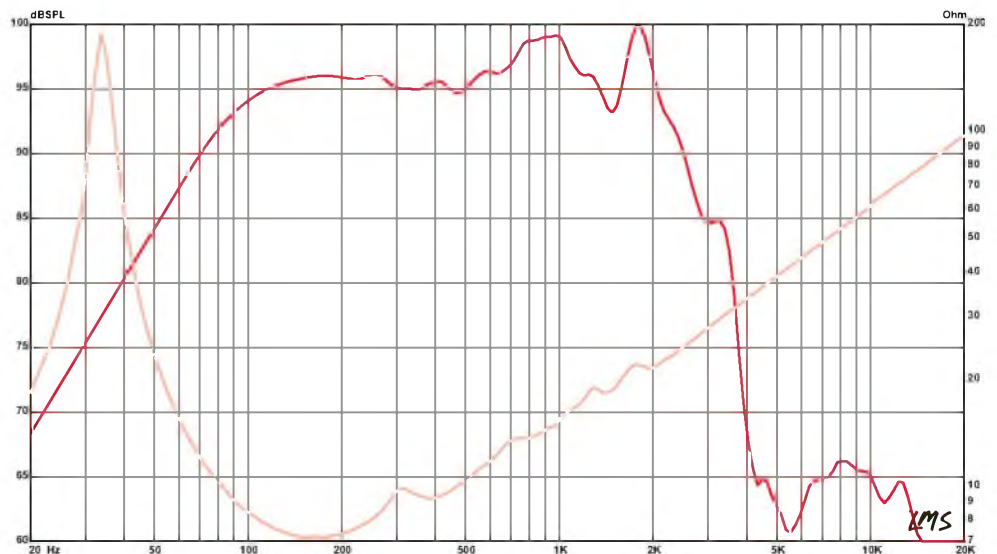
THIELE & SMALL PARAMETERS

Fs	34 Hz
Re	5.83 Ω
Le	1 mH
Qms	9.27
Qes	0.34
Qts	0.33
Vas	8.27 cu.ft., 234.15 liters
Vd	351.1 cc
Cms	0.23 mm/N
BL	18.98 T-M
Mms	98 grams
EBP	100
Xmax	4.1 mm
Sd	856.3 cm ²
Xlim	12.2 mm

MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	N/A
Vented	46.72–127.43 liters, 1.65–4.5 cu.ft.
Driver Volume Displaced	0.145 cu.ft., 4.1 liters
Overall Diameter	15.3", 388.6 mm
Baffle Hole Diameter	14.08", 357.6 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.26", 6.5 mm
Mounting Holes B.C.D.	14.57", 370.1 mm
Depth	5.5", 139.7 mm
Net Weight	21.4 lbs, 9.71 kg
Shipping Weight	23.6 lbs, 10.7 kg

FREQUENCY RESPONSE & IMPEDANCE CURVE*



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