

L8S800

WOOFER

DESCRIPTION

Very high linearity and low distortion are special features of this carbon-fiber cone transducer.

The use of an RCF exponential carbon-fiber cone of exceptional strength and light weight drastically reduces the break-up, thus ensuring a high level of efficiency and excellent transient response. The cone is completely water-repellent. Maximum care in the selection of the components and in the assembly process make the L8S800 an extremely reliable woofer.



FEATURES

- 1.5-inch, Kapton former, copper voice coil
- 340W continuous program power handling
- 93 dB Sensitivity
- 50 Hz - 4 kHz Frequency range
- Exponential, high strength, carbon fiber cone
- M-roll damped surround

TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter:	8 inch / 203 mm
Rated Impedance:	8 ohm
Program Power (watt):	340 W
Power handling capacity:	170 W
Sensitivity:	93.0 dB
Frequency range:	50 - 4000 Hz
Effective piston diameter:	165 mm / 6.5 inch
Max. Excursion Before Damage:	30 mm / 1.18 inch
Minimum Impedance (ohm):	7.3 ohm
Voice Coil Diameter:	1.5 inch / 38 mm
Voice Coil Winding Material:	Copper
Voice Coil Length:	15 mm / 0.59 inch
Number of layers:	2
Kind of layers:	outside
Top Plate Thickness:	7 mm / 0.28 inch
Cone Design:	Curved
Surround Material:	Polycotton
Surround Design:	M-roll
Magnets:	Ceramic
Spider:	Single

Thiele - small parameters

Resonance frequency (Fs):	60 Hz
DC resistance (Re) (ohm):	6.10 ohm
Mechanical factor:	4.10 Qms
Electrical factor:	0.46 Qes
Total factor:	0.41 Qts
Bl factor (Bl) (T x m):	10.30 T x m
Effective moving mass (Mms):	21.0 g
Equivalent Cas air loaded (Vas):	22.0 liters
Effective piston area (Sd):	0.020 m ²
Max. linear excursion (Xmax):	6.0 mm
Voice coil inductance @ 1kHz (Le1k):	0.90 mH
Half-space efficiency (Eff):	1.00%

Mounting informations

Overall diameter:	239 mm / 9.41 inches
Bolt circle diameter:	221 mm / 8.7 inch
Bolt hole diameter:	7 mm / 0.28 inch
Front mount baffle cut-out:	184 mm / 7.24 inch
Rear mount baffle cut-out:	184 mm / 7.24 inch
Volume occupied by the driver:	0.8 liters / 0.03 ft ³

Standard compliance

CE marking:	Yes
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Size

Height:	99 mm / 3.9 inches
Diameter:	208 mm / 8.19 inches
Weight:	3.5 kg / 7.72 lbs

**Shipping informations**

Package Height:	150 mm / 5.91 inches
Package Width:	220 mm / 8.66 inches
Package Depth:	220 mm / 8.66 inches
Package Weight:	3.8 kg / 8.38 lbs

PART NUMBER

- **11120007**

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