

L15S801

WOOFER

DESCRIPTION

The L15S801 is the RCF classical high efficiency 15" woofer.

A perfect blend of voice coil length, moving mass weight and suspensions control makes this transducer the preferred solution for many speakers and rental companies. Voice coil construction, suspension and cone materials are upgrade in order to withstand up to 700 watt RMS power.



FEATURES

- 4-inch, fiberglass inside/outside copper voice coil
- 1400W continuous program power handling
- 99.5 dB Sensitivity
- 40 Hz - 1.5 kHz Frequency range
- Dual spider design with silicon based dampening control
- M-roll surround and exponential cone geometry

TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter:	15 inch / 381 mm
Rated Impedance:	8 ohm
Program Power (watt):	1400 W
Power handling capacity:	700 W
Sensitivity:	99 dB
Frequency range:	40 - 1500 Hz
Effective piston diameter:	330 mm / 12.99 inch
Max. Excursion Before Damage:	48 mm / 1.89 inch
Minimum Impedance (ohm):	8 ohm
Voice Coil Diameter:	4.0 inch / 102 mm
Voice Coil Winding Material:	Copper
Voice Coil Length:	16 mm / 0.63 inch
Number of layers:	2
Kind of layers:	inside/outside
Top Plate Thickness:	10 mm / 0.39 inch
Cone Design:	Curved
Surround Material:	Polycotton
Surround Design:	M-roll
Magnets:	Ceramic
Dual-force air ventilation:	Yes
Spider:	Dual with silicon based damping control

Thiele - small parameters

Resonance frequency (Fs):	48 Hz
DC resistance (Re) (ohm):	6.10 ohm
Mechanical factor:	11.00 Qms
Electrical factor:	0.33 Qes
Total factor:	0.32 Qts
Bl factor (Bl) (T x m):	23.60 T x m
Effective moving mass (Mms):	100 gr
Equivalent Cas air loaded (Vas):	113 liters
Effective piston area (Sd):	0.09 m ²
Max. linear excursion (Xmax):	6 mm
Voice coil inductance @ 1kHz (Le1k):	0.80 mH
Half-space efficiency (Eff):	3.65%

Mounting informations

Overall diameter:	393 mm / 15.47 inches
Bolt circle diameter:	371 mm / 14.61 inch
Bolt hole diameter:	7 mm / 0.28 inch
Front mount baffle cut-out:	352 mm / 13.86 inch
Rear mount baffle cut-out:	360 mm / 14.17 inch
Volume occupied by the driver:	3.8 liters / 0.15 ft ³

Standard compliance

CE marking:	Yes
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Size	Height:	162 mm / 6.38 inches
	Diameter:	393 mm / 15.47 inches
	Weight:	11.5 kg / 25.35 lbs

Shipping informations	Package Height:	209 mm / 8.23 inches
	Package Width:	439 mm / 17.28 inches
	Package Depth:	434 mm / 17.09 inches
	Package Weight:	13 kg / 28.66 lbs

PART NUMBER

- **11100048**

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8ohm



