

# LF15G401

## WOOOFER

### DESCRIPTION

The LF15g401 is a 15-inch woofer with linear frequency response characteristics and very high power handling.

The LF15G401 uses a fibre loaded cone assembly along with a high excursion triple roll, constant geometry surround. This combination provides remarkable strength and a peak to peak maximum excursion of 52mm.



### FEATURES

- 4-inch, fiberglass inside/outside copper voice coil
- 1600W continuous program power handling
- 97 dB Sensitivity
- 30 Hz - 1.5 kHz Frequency range
- Dual spider design with silicon based dampening control
- Triple-roll surround and corrugated straight cone geometry

## TECHNICAL SPECIFICATIONS

### General specifications

Nominal Diameter:	15 inch / 381 mm
Rated Impedance:	8 ohm
Program Power (watt):	1600 W
Power handling capacity:	800 W
Sensitivity:	97 dB
Frequency range:	35 - 1500 Hz
Effective piston diameter:	340 mm / 13.39 inch
Max. Excursion Before Damage:	52 mm / 2.05 inch
Minimum Impedance (ohm):	6 ohm
Voice Coil Diameter:	4.0 inch / 102 mm
Voice Coil Material:	Copper
Voice Coil Winding Material:	23 mm / 0.91 inch
Number of layers:	2
Kind of layers:	inside/outside
Top Plate Thickness:	12 mm / 0.47 inch
Cone Design:	Straight
Surround Material:	Polycotton
Surround Design:	Triple roll
Magnets:	Ceramic
Spider:	Dual with silicon based damping control

### Thiele - small parameters

Resonance frequency (Fs):	36 Hz
DC resistance (Re) (ohm):	4.80 ohm
Mechanical factor:	6.20 Qms
Electrical factor:	0.27 Qes
Total factor:	0.26 Qts
Bl factor (Bl) (T x m):	24.60 T x m
Effective moving mass (Mms):	150 gr
Equivalent Cas air loaded (Vas):	150 liters
Effective piston area (Sd):	0.09 m <sup>2</sup>
Max. linear excursion (Xmax):	9 mm
Voice coil inductance @ 1kHz (Le1k):	1.80 mH
Half-space efficiency (Eff):	2.50%

### Mounting informations

Overall diameter:	393 mm / 15.47 inches
Bolt circle diameter:	371-376 mm / 14.61-14.8 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:	4.3 liters / 0.17 ft <sup>3</sup>

### Standard compliance

CE marking:	Yes
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<b>Size</b>	Height:	154 mm / 6.06 inches
	Diameter:	393 mm / 15.47 inches
	Weight:	13 kg / 28.66 lbs

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<b>Shipping informations</b>	Package Height:	220 mm / 8.66 inches
	Package Width:	440 mm / 17.32 inches
	Package Depth:	440 mm / 17.32 inches
	Package Weight:	14 kg / 30.86 lbs

## **PART NUMBER**

- **11100014**

LF15G401

8ohm



