

# LF12G301

## WOOFER

### DESCRIPTION

High power 12" woofer.  
Very good power handling, excellent and very low distortion. Copper voice coil construction, suspensions and cone materials designed to survive at 450Watt RMS power.



### FEATURES

- 3-inch, fiberglass inside/outside copper voice coil
- 900W continuous program power handling
- 97 dB Sensitivity
- 40 Hz - 2 kHz Frequency range
- M-roll surround and exponential cone geometry

## TECHNICAL SPECIFICATIONS

### General specifications

Nominal Diameter:	12 inch / 305 mm
Rated Impedance:	8 ohm
Program Power (watt):	900 W
Power handling capacity:	450 W
Sensitivity:	97.0 dB
Frequency range:	40 - 2000 Hz
Effective piston diameter:	260 mm / 10.24 inch
Max. Excursion Before Damage:	36 mm / 1.42 inch
Minimum Impedance (ohm):	7.2 ohm
Voice Coil Diameter:	3.0 inch / 76 mm
Voice Coil Winding Material:	Copper
Voice Coil Length:	19 mm / 0.75 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
Spider:	Single

### Thiele - small parameters

Resonance frequency (Fs):	43 Hz
DC resistance (Re) (ohm):	5.80 ohm
Mechanical factor:	4.60 Qms
Electrical factor:	0.23 Qes
Total factor:	0.22 Qts
Bl factor (Bl) (T x m):	19.00 T x m
Effective moving mass (Mms):	56.0 g
Equivalent Cas air loaded (Vas):	97.0 liters
Effective piston area (Sd):	56.000 m <sup>2</sup>
Max. linear excursion (Xmax):	7.0 mm
Voice coil inductance @ 1kHz (Le1k):	1.20 mH
Half-space efficiency (Eff):	3.23%

### Mounting informations

Overall diameter:	320 mm / 12.6 inches
Bolt circle diameter:	293-304 mm / 11.54-11.97 inch
Bolt hole diameter:	7 mm / 0.28 inch
Front mount baffle cut-out:	282 mm / 11.1 inch
Rear mount baffle cut-out:	284 mm / 11.18 inch
Volume occupied by the driver:	2.6 liters / 0.1 ft <sup>3</sup>

### Standard compliance

CE marking:	Yes
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### Size

Height:	140 mm / 5.51 inches
Diameter:	320 mm / 12.6 inches
Weight:	7 kg / 15.43 lbs

**Shipping informations**

Package Height:	210 mm / 8.27 inches
Package Width:	360 mm / 14.17 inches
Package Depth:	360 mm / 14.17 inches
Package Weight:	8.05 kg / 17.75 lbs

**PART NUMBER**

- **11100016**

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8ohm



