

# LF18G401

## WOOFER

### DESCRIPTION

The LF18G401 is a 18-inch woofer with linear frequency response characteristics and very high power handling.

The LF18G401 uses a fibre loaded cone assembly along with a high excursion triple roll, constant geometry surround. This combination provides remarkable strength and peak to peak maximum excursion of 50mm.



### FEATURES

- 4-inch, fiberglass inside/outside copper voice coil
- 1800W continuous program power handling
- 98 dB Sensitivity
- 30 Hz - 1 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:	18 inch / 457 mm
Rated Impedance:	8 ohm
Program Power (watt):	1800 W
Power handling capacity:	900 W
Sensitivity:	98 dB
Frequency range:	30 - 1000 Hz
Effective piston diameter:	395 mm / 15.55 inch
Max. Excursion Before Damage:	50 mm / 1.97 inch
Minimum Impedance (ohm):	5 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):	33 Hz
DC resistance (Re) (ohm):	4.80 ohm
Mechanical factor:	7.60 Qms
Electrical factor:	0.30 Qes
Total factor:	0.29 Qts
Bl factor (Bl) (T x m):	24.60 T x m
Effective moving mass (Mms):	182 gr
Equivalent Cas air loaded (Vas):	268 liters
Effective piston area (Sd):	0.12 m <sup>2</sup>
Max. linear excursion (Xmax):	9 mm
Voice coil inductance @ 1kHz (Le1k):	1.80 mH
Half-space efficiency (Eff):	3.09%

### Mounting informations

Overall diameter:	465 mm / 18.31 inches
Bolt circle diameter:	442-447 mm / 17.4-17.6 inch
Bolt hole diameter:	7 mm / 0.28 inch
Front mount baffle cut-out:	424 mm / 16.69 inch
Rear mount baffle cut-out:	424 mm / 16.69 inch
Volume occupied by the driver:	6 liters / 0.24 ft <sup>3</sup>

### Standard compliance

CE marking:	Yes
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<b>Size</b>	Height:	196 mm / 7.72 inches
	Diameter:	465 mm / 18.31 inches
	Weight:	13 kg / 28.66 lbs

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<b>Shipping informations</b>	Package Height:	260 mm / 10.24 inches
	Package Width:	500 mm / 19.69 inches
	Package Depth:	520 mm / 20.47 inches
	Package Weight:	15 kg / 33.07 lbs

## **PART NUMBER**

- **11100140**  
LF18G908  
8ohm

- **11100012**  
LF18G401  
8ohm



