



# LF18G400

WOOFER



## Description

The LF18G400 is a 18-inch woofer with linear frequency response characteristics and very high power handling.

The LF18G400 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. Special features of this 18" are the unique T-pole, curved against voice coil over-driving and 14mm top plate for best control and power handling.

## Features

- › 4-inch, fiberglass inside/outside copper voice coil
- › 2000W continuous program power handling
- › 97.5 dB Sensitivity
- › 25 Hz - 1 kHz Frequency range
- › T-pole, curved on top. 14mm top plate for minimum power compression
- › Dual spider design with silicon based dampening control
- › Triple-roll surround and corrugated straight cone geometry

## Part Number

11185008 LF18G400

8ohm

Black



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	<b>TECHNICAL SPECIFICATIONS</b>		
<b>General specifications</b>	Nominal Diameter	18 inch / 457 mm	
	Rated Impedance	8 ohm	
	Program Power (watt)	2000 W	
	Power handling capacity	1000 W	
	Sensitivity	97.5 dB	
	Frequency range	25 - 1000 Hz	
	Effective piston diameter	395 mm / 15.55 inch	
	Max. Excursion Before Damage	50 mm / 1.97 inch	
	Minimum Impedance (ohm)	6.0 ohm	
	Voice Coil Diameter	4.0 inch / 102 mm	
	Voice Coil Winding Material	Copper	
	Voice Coil Length	25 mm / 0.98 inch	
	Number of layers	2	
	Kind of layers	inside/outside	
	Top Plate Thickness	14 mm / 0.55 inch	
	Cone Design	Straight	
	Surround Material	Polycotton	
	Surround Design	Triple roll	
	Magnets	Ceramic	
	Spider	O3	
<b>Thiele - small parameters</b>	Resonance frequency (Fs)	28 Hz	
	DC resistance (Re) (ohm)	5.10 ohm	
	Mechanical factor	4.60 Qms	
	Electrical factor	0.29 Qes	
	Total factor	0.27 Qts	
	Bl factor (Bl) (T x m)	24.20 T x m	
	Effective moving mass (Mms)	190.0 g	
	Equivalent Cas air loaded (Vas)	360.0 liters	
	Effective piston area (Sd)	0.120 m <sup>2</sup>	
	Max. linear excursion (Xmax)	9 mm	
	Voice coil inductance @ 1kHz (Le1k)	1.20 mH	
	Half-space efficiency (Eff)	2.63%	
	<b>Mounting information</b>	Overall diameter	465 mm / 18.31 inches
Bolt circle diameter		442-447 mm / 17.4-17.6 inch	
Bolt hole diameter		424 mm / 16.69 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	7 liters / 0.28 ft <sup>3</sup>		
<b>Standard compliance</b>	Safety agency	CE compliant	
<b>Physical specifications</b>	Color	Black	
	<b>Size</b>	Height	228 mm / 8.98 inches
		Diameter	465 mm / 18.31 inches
		Weight	13.3 kg / 29.32 lbs



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Line Art 2D

