

# **LF18G401**

# WOOFER

## **DESCRIPTION**

The LF18G401 is a 18-inch woofer with linear frequency response cheracteristics 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

Rev. D Last update: 08/03/2022



# TECHNICAL SPECIFICATIONS

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General specifications	Nominal Diameter:	18 inch / 457 mm
	Rated Impedance:	8 ohm
	Program Power (watt):	1800 W
	Power handling capacity:	900 W
	Sensitivity:	98.0 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):	5.9 ohm
	Voice Coil Diameter:	4.0 inch / 102 mm
	Voice Coil Winding Material:	Copper
	Voice Coil Length:	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
	BI factor (BI) (T x m):	24.60 T x m
	Effective moving mass (Mms):	182.0 g
	Equivalent Cas air loaded (Vas):	268.0 liters
	Effective piston area (Sd):	0.120 m2
	Max. linear excursion (Xmax):	9 mm
	Voice coil inductance @ 1kHz (Le1k):	1.80 mH
	Half-space efficency (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 ft3
Standard compliance	CE marking:	Yes
Size	Height:	196 mm / 7.72 inches
	Diameter:	465 mm / 18.31 inches
	Weight:	13 kg / 28.66 lbs



**Shipping informations** Package Height: 260 mm / 10.24 inches

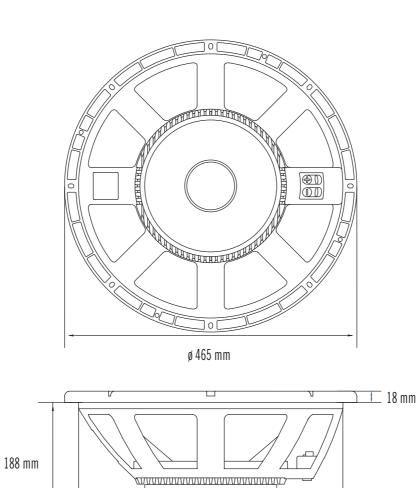
Package Width: 500 mm / 19.69 inches
Package Depth: 520 mm / 20.47 inches

Package Weight: 15 kg / 33.07 lbs

## **PART NUMBER**

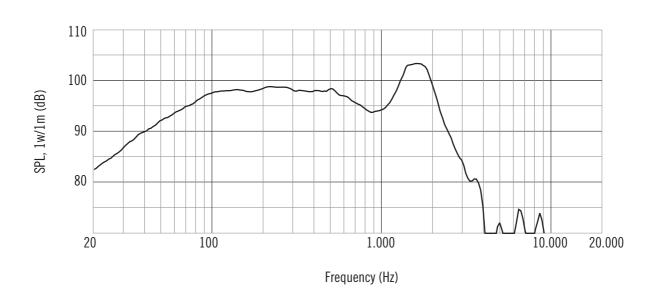
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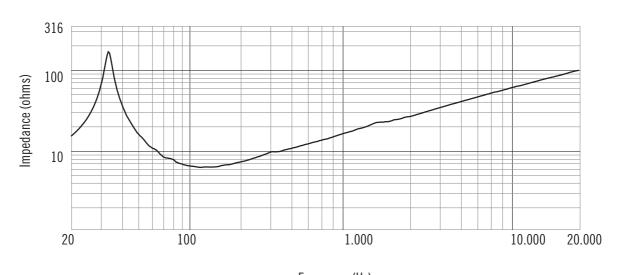
LF18G401 8ohm



ø 225 mm

ø 421 mm





Frequency (Hz)