

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



TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter:	18 inch / 457 mm
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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

4.80 ohm

Thiele - small parameters Resonance frequency (Fs): 33 Hz

DC resistance (Re) (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 gr Equivalent Cas air loaded (Vas): 268 liters Effettive piston area (Sd): 0.12 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

DATASHEET



 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

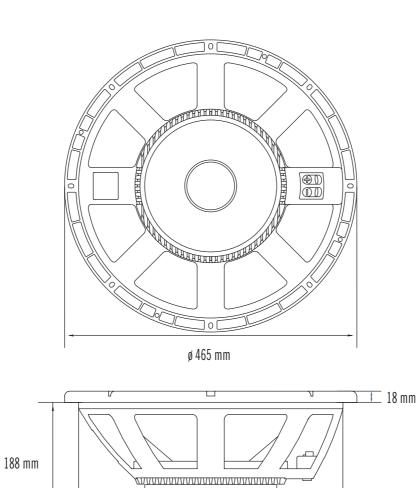
Package Weight: 15 kg / 33.07 lbs

PART NUMBER

· 11100140 · 11100012

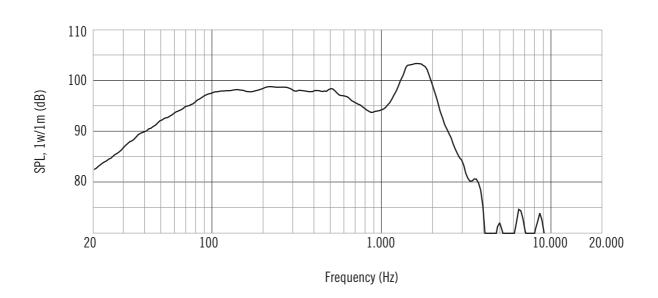
LF18G908 LF18G401

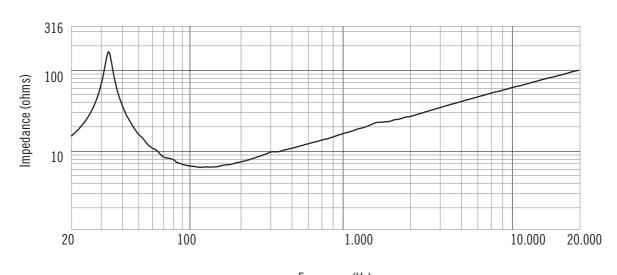
8ohm 8ohm



ø 225 mm

ø 421 mm





Frequency (Hz)