



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

Part Number 11100012 LF18G401 8ohm EAN 8024530020071



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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	98.0 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
Bl factor (Bl) (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 m ²
Max. linear excursion (Xmax)	9 mm
Voice coil inductance @ 1kHz (Le1k)	1.80 mH
Half-space efficiency (Eff)	3.09%

Mounting information

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 ³

Standard compliance

Safety agency	CE compliant
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Size / Weight

Height

208 mm / 8.19 inches

Diameter

465 mm / 18.31 inches

Weight

13 kg / 28.66 lbs



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Line Art 2D

