

# LF21X451

## WOOFER

### DESCRIPTION

The LF21X451 low frequency transducer is the result of many years of R&D developments with the goal of creating new levels of professional audio performance standards. This products features advancements and improvements in all the key areas of transducer technology.

Incredibly linear frequency response characteristics, the highest power handling of any comparable transducer, the lowest power compression. The LF21X451 features a fibre loaded cone assembly along with a high excursion triple roll, constant geometry surround: this combination provides remarkable strength and a peak to peak maximum excursion of 54 mm. The new dual forced hyper-venting system guarantee a very efficient voice coil ventilation for minimum power compression and incredible power handling.



### FEATURES

- 4,5 - inch fiberglass Inside/Outside copper voice coil
- 4000 Watt continuous program power handling
- 97 dB Sensitivity
- 28 Hz - 1 kHz Frequency range
- Dual-forced air ventilation for minimum power compression
- Dual spider designed with silicon based damping control
- BL of 30.5 Txm to provide a faster and accurate low frequency

## TECHNICAL SPECIFICATIONS

<b>General specifications</b>	Nominal Diameter:	21 inch / 533 mm
	Rated Impedance:	8 ohm
	Program Power (watt):	4000 W
	Power handling capacity:	2000 W
	Sensitivity:	97.0 dB
	Frequency range:	28 - 1000 Hz
	Effective piston diameter:	470 mm / 18.5 inch
	Max. Excursion Before Damage:	54 mm / 2.13 inch
	Minimum Impedance (ohm):	6.7 ohm
	Voice Coil Diameter:	4.5 inch / 114 mm
	Voice Coil Winding Material:	Copper
	Voice Coil Length:	34 mm / 1.34 inch
	Number of layers:	2
	Kind of layers:	inside/outside
	Top Plate Thickness:	15 mm / 0.59 inch
	Cone Design:	Curved
	Surround Material:	Polycotton
	Surround Design:	Triple roll
	Magnets:	Ceramic
	Dual-force air ventilation:	Yes
	Spider:	Dual with silicon based damping control
<b>Thiele - small parameters</b>	Resonance frequency (Fs):	28 Hz
	DC resistance (Re) (ohm):	5.40 ohm
	Mechanical factor:	6.90 Qms
	Electrical factor:	0.39 Qes
	Total factor:	0.37 Qts
	Bl factor (Bl) (T x m):	30.50 T x m
	Effective moving mass (Mms):	355.0 g
	Equivalent Cas air loaded (Vas):	385.0 liters
	Effective piston area (Sd):	0.170 m <sup>2</sup>
	Max. linear excursion (Xmax):	14 mm
	Voice coil inductance @ 1kHz (Le1k):	2.90 mH
	Half-space efficiency (Eff):	2.20%
<b>Mounting information</b>	Overall diameter:	547 mm / 21.54 inches
	Bolt circle diameter:	527 mm / 20.75 inch
	Bolt hole diameter:	7 mm / 0.28 inch
	Front mount baffle cut-out:	512 mm / 20.16 inch
	Rear mount baffle cut-out:	512 mm / 20.16 inch
	Volume occupied by the driver:	6.5 liters / 0.26 ft <sup>3</sup>
<b>Standard compliance</b>	Safety agency:	CE compliant

**Size**

Height:	245 mm / 9.65 inches
Diameter:	547 mm / 21.54 inches
Weight:	15.5 kg / 34.17 lbs

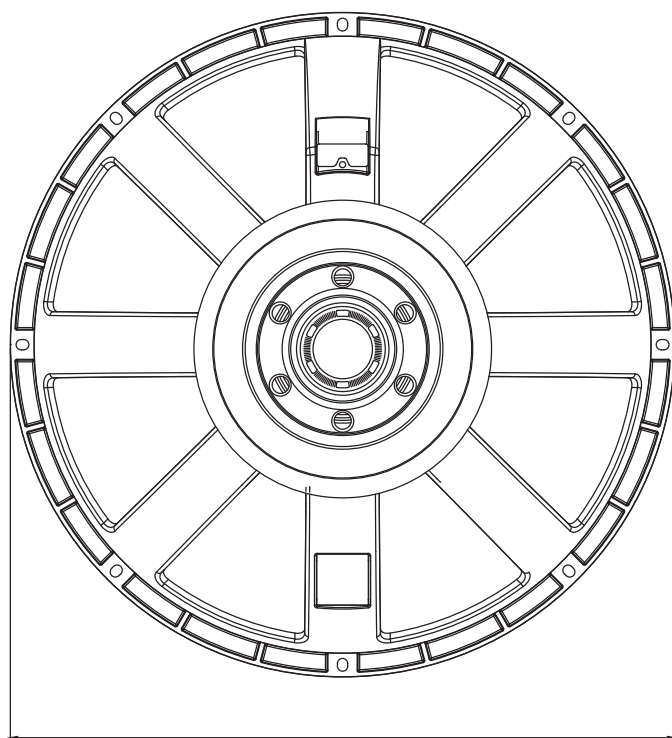
**Shipping information**

Package Height:	284 mm / 11.18 inches
Package Width:	584 mm / 22.99 inches
Package Depth:	604 mm / 23.78 inches
Package Weight:	18.5 kg / 40.79 lbs

**PART NUMBER**

- **11100092**

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ø 547 mm

