LF21X451

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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

Part Number

11100092	LF21X451	8ohm

Products are continually improved. All specifications are therefore subject to change without notice.

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TECHNICAL SPECIFICATIONS

General specifications	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
Thiele - small parameters	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 m2
	Max. linear excursion (Xmax)	14 mm
	Voice coil inductance @ 1kHz (Le1k)	2.90 mH
	Half-space efficency (Eff)	2.20%
Mounting information	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 ft3
Standard compliance	Safety agency	CE compliant

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

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Line Art 2D

