



# LF18X451

WOOFER



<b>Description</b>	<p>Incredibly linear frequency response characteristics, the highest power handling of any comparable 18-inch transducer, the lowest power compression.</p> <p>The LF18X451 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. A double silicon spider system ensures excellent control during large excursions. A fully optimised T-pole design generate the minimum amount of flux modulation.</p>
<b>Features</b>	<ul style="list-style-type: none"><li>› 4,5 - inch fiberglas Inside/Outside copper voice coil</li><li>› 3600 Watt continuous program power handling</li><li>› 97 dB Sensitivity</li><li>› 30 Hz - 1 kHz Frequency range</li><li>› Dual Forced Hyperventing System</li><li>› Dual spider designed with silicon based damping control</li><li>› BL of 30.5 Txm to provide a faster and accurate low frequency</li></ul>
<b>Part Number</b>	11100091 LF18X451 8ohm



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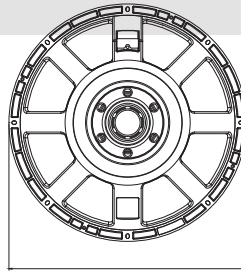
		<b>TECHNICAL SPECIFICATIONS</b>	
<b>General specifications</b>	Nominal Diameter		18 inch / 457 mm
	Rated Impedance		8 ohm
	Program Power (watt)		3600 W
	Power handling capacity		1800 W
	Sensitivity		97.0 dB
	Frequency range		30 - 1000 Hz
	Effective piston diameter		395 mm / 15.55 inch
	Max. Excursion Before Damage		54 mm / 2.13 inch
	Minimum Impedance (ohm)		6.8 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		Straight
	Surround Material		Polycotton
	Surround Design		Triple roll
	Magnets		Ceramic
	Dual-force air ventilation		Yes
	Spider		03
<b>Thiele - small parameters</b>	Resonance frequency (Fs)		30 Hz
	DC resistance (Re) (ohm)		5.40 ohm
	Mechanical factor		6.70 Qms
	Electrical factor		0.29 Qes
	Total factor		0.28 Qts
	Bl factor (Bl) (T x m)		30.50 T x m
	Effective moving mass (Mms)		260.0 g
	Equivalent Cas air loaded (Vas)		220.0 liters
	Effective piston area (Sd)		0.120 m <sup>2</sup>
	Max. linear excursion (Xmax)		14 mm
	Voice coil inductance @ 1kHz (Le1k)		1.38 mH
Half-space efficiency (Eff)		1.90%	
<b>Mounting information</b>	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		6.5 liters / 0.26 ft <sup>3</sup>	
<b>Standard compliance</b>	Safety agency		CE compliant
	<b>Size</b>		
	Height		212 mm / 8.35 inches
	Diameter		465 mm / 18.31 inches
	Weight		15.2 kg / 33.51 lbs



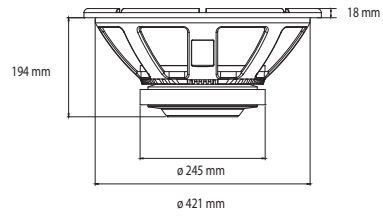
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Line Art 2D



ø 465 mm



194 mm

18 mm

ø 245 mm

ø 421 mm