



LF18X451

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Description	Incredibly linear frequency response characteristics, the highest power handling of any comparable 18-inch transducer, the lowest power compression. 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.		
Features	› 4,5 - inch fiberglas Inside/Outside copper voice coil › 3600 Watt continuous program power handling › 97 dB Sensitivity › 30 Hz - 1 kHz Frequency range › Dual Forced Hyperventing System › Dual spider designed with silicon based damping control › BL of 30.5 Txm to provide a faster and accurate low frequency		
Part Number	11100091	LF18X451	8ohm



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TECHNICAL SPECIFICATIONS

General specifications

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	Dual with silicon based damping control

Thiele - small parameters

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 ²
Max. linear excursion (Xmax)	14 mm
Voice coil inductance @ 1kHz (Le1k)	1.38 mH
Half-space efficiency (Eff)	1.90%

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	6.5 liters / 0.26 ft ³

Standard compliance

Safety agency	CE compliant
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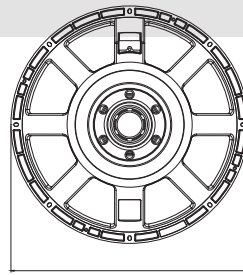
Size / Weight	Height	212 mm / 8.35 inches
	Diameter	465 mm / 18.31 inches
	Weight	15.2 kg / 33.51 lbs



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Line Art 2D



ø 465 mm

