## DATASHEET



# LF18X401 WOOFER

#### DESCRIPTION

Very linear frequency response characteristics, extreme high power handling while generating the lowest harmonic distortion of any comparable 18-inch transducer within its application range. The LF18X401 uses a fibre loaded cone assembly along with a high excursion triple roll surround. This combination provides remarkable strength and a peak to peak maximum excursion of 50 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-inch, fiberglass inside/outside copper voice coil
- 3000W continuous program power handling
- 97.5 dB Sensitivity
- 25 Hz 1 kHz Frequency range
- Dual Forced Hyperventing System
- Dual spider design with silicon based dampening control
- Triple-roll surround and corrugated straight cone geometry



#### **TECHNICAL SPECIFICATIONS**

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General specifications	Nominal Diameter:	18 inch / 457 mm
	Rated Impedance:	8 ohm
	Program Power (watt):	3000 W
	Power handling capacity:	1500 W
	Sensitivity:	97 dB
	Frequency range:	25 - 1000 Hz
	Effective piston diameter:	395 mm / 15.55 inch
	Max. Excursion Before Damage:	50 mm / 1.97 inch
	Minimum Impedance (ohm):	6 ohm
	Voice Coil Diameter:	4.0 inch / 102 mm
	Voice Coil Material:	Copper
	Voice Coil Winding Material:	30 mm / 1.18 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:	7.40 Qms
	Electrical factor:	0.31 Qes
	Total factor:	0.30 Qts
	Bl factor (Bl) (T x m):	26.50 T x m
	Effective moving mass (Mms):	215 gr
	Equivalent Cas air loaded (Vas):	274 liters
	Effettive piston area (Sd):	0.12 m2
	Max. linear excursion (Xmax):	12 mm
	Voice coil inductance @ 1kHz (Le1k):	0.83 mH
	Half-space efficency (Eff):	2.30%
Mounting informations	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:	425 mm / 16.73 inch
	Volume occupied by the driver:	6.5 liters / 0.26 ft3
Standard compliance	CE marking:	Yes

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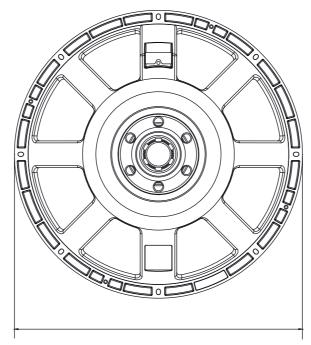
#### Size Height: 196 mm / 7.72 inches Diameter: 465 mm / 18.31 inches 12.5 kg / 27.56 lbs Weight: **Shipping informations** Package Height: 254 mm / 10 inches Package Width: 524 mm / 20.63 inches Package Depth: 494 mm / 19.45 inches Package Weight: 15 kg / 33.07 lbs

## PART NUMBER

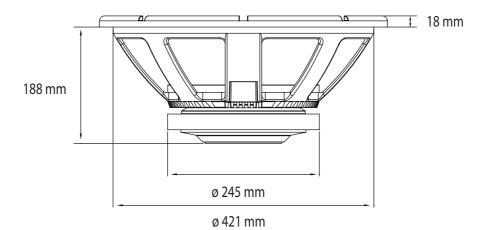
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LF18X401 8ohm



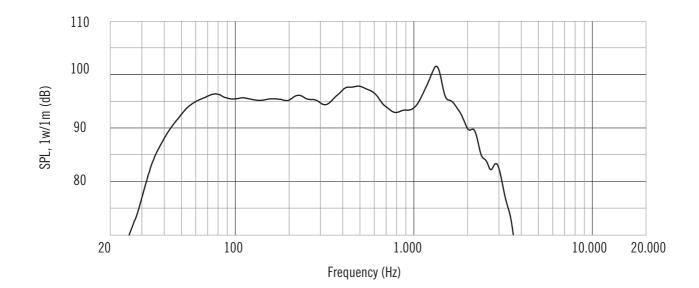


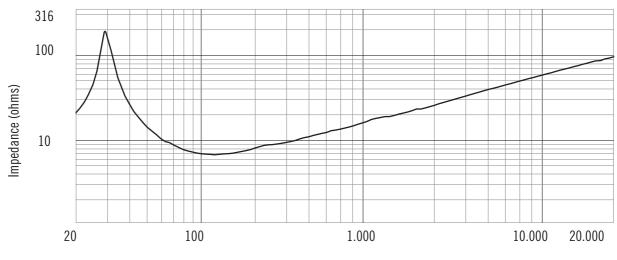
ø 465 mm



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Frequency (Hz)