MB15X301

MID - BASS

DESCRIPTION

The MB15X301 is designed to provide an excellent frequency response linearity with very low distortion.
A strong magnetic structure guarantee dynamic and precision. The new dual forced hyper-venting system guarantee a very efficient voice coil ventilation for minimum power compression and incredible power handling. Triple roll surround and spider design offer great linearity and precise reproduction.

FEATURES

- 3-inch, fibreglass inside/outside aluminium voice coil
- 1000W continuous program power handling
- 98.5 dB Sensitivity
- 40 Hz – 3.0 kHz Frequency range
- Dual Forced Hyperventing System
- Triple roll surround and exponential cone geometry

TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter:	15 inch / 381 mm
	Rated Impedance:	8 ohm
	Program Power (watt):	1000 W
	Power handling capacity:	500 W
	Sensitivity:	98.5 dB
	Frequency range:	40 - 3000 Hz
	Effective piston diameter:	330 mm / 12.99 inch
	Max. Excursion Before Damage:	40 mm / 1.57 inch
	Minimum Impedance (ohm):	6.5 ohm
	Voice Coil Diameter:	3.0 inch / 76 mm
	Voice Coil Winding Material:	Aluminium
	Voice Coil Length:	17 mm / 0.67 inch
	Number of layers:	2
	Kind of layers:	inside/outside
	Top Plate Thickness:	10 mm / 0.39 inch
	Cone Design:	Curved
	Surround Material:	Polycotton
	Surround Design:	Triple roll
	Magnets:	Ceramic
	Hypervented magnetic structure:	Yes
	Spider:	Single
Thiele - small parameters	Resonance frequency (Fs):	38 Hz
	DC resistance (Re) (ohm):	5.40 ohm
	Mechanical factor:	5.00 Qms
	Electrical factor:	0.37 Qes
	Total factor:	0.34 Qts
	Bl factor (Bl) (T x m):	18.00 T x m
	Effective moving mass (Mms):	92.0 g
	Equivalent Cas air loaded (Vas):	195.0 liters
	Effettive piston area (Sd):	0.090 m2
	Max. linear excursion (Xmax):	6.0 mm
	Voice coil inductance @ 1kHz (Le1k):	0.52 mH
	Half-space efficency (Eff):	2.80%
Mounting informations	Overall diameter:	393 mm / 15.47 inches
	Bolt circle diameter:	371-376 mm / 14.61-14.8 inch
	Bolt hole diameter:	7 mm / 0.28 inch
	Front mount baffle cut-out:	354 mm / 13.94 inch
	Rear mount baffle cut-out:	354 mm / 13.94 inch
	Volume occupied by the driver:	4.5 liters / 0.18 ft3
Standard compliance	CE marking:	Yes

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

Size	Height:	167 mm / 6.57 inches
	Diameter:	393 mm / 15.47 inches
	Weight:	8 kg / 17.64 lbs
Shipping informations	Package Height:	209 mm / 8.23 inches
	Package Width:	439 mm / 17.28 inches
	Package Depth:	434 mm / 17.09 inches
	Package Weight:	9.5 kg / 20.94 lbs

PART NUMBER

- **11100106**
  MB15X301
  8ohm

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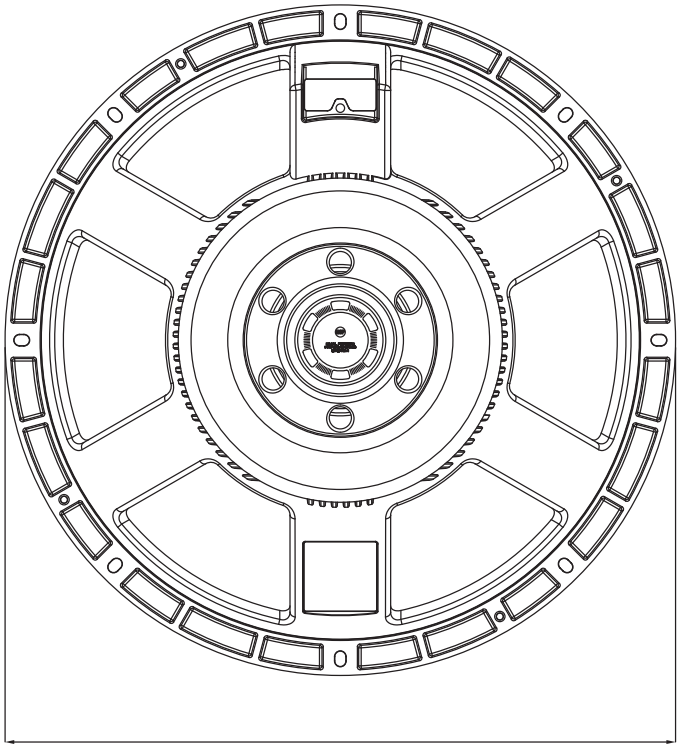
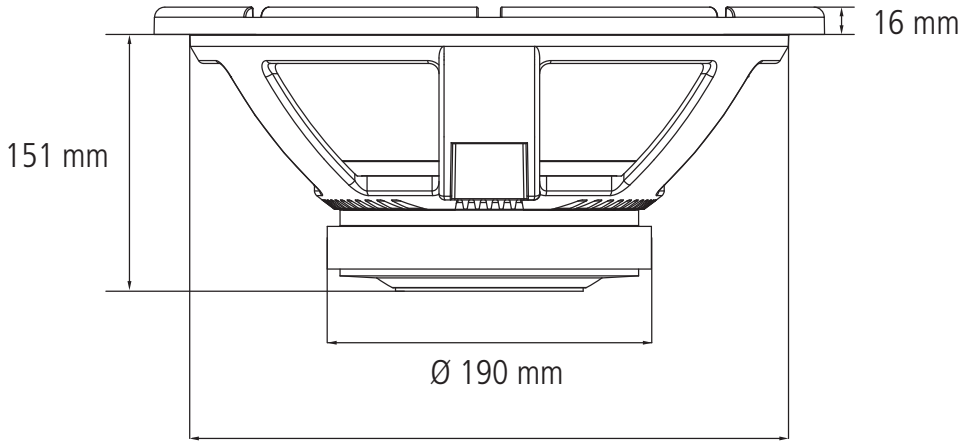
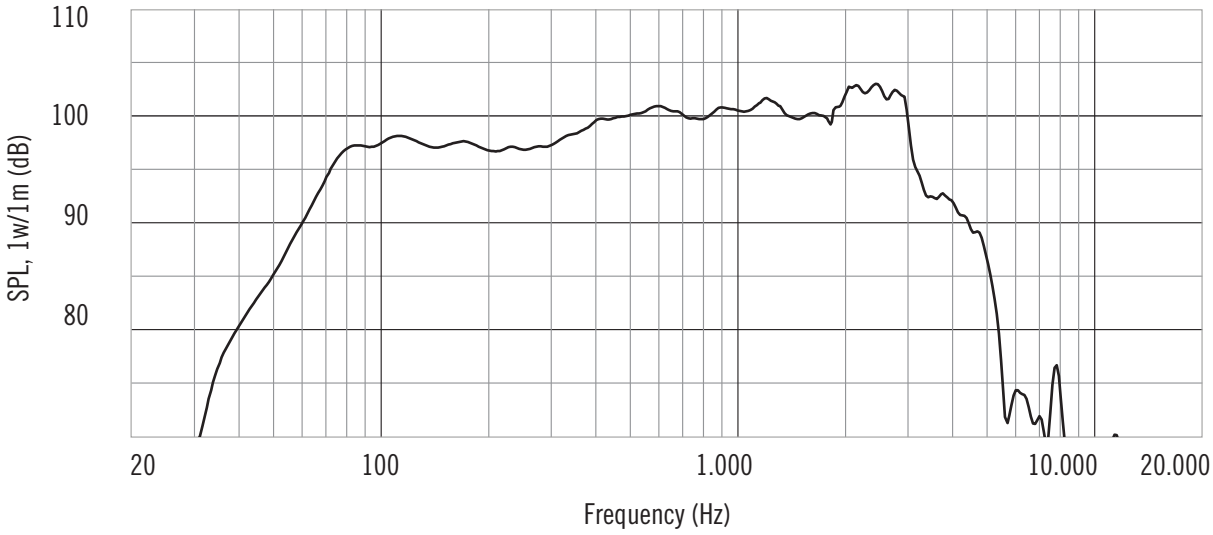
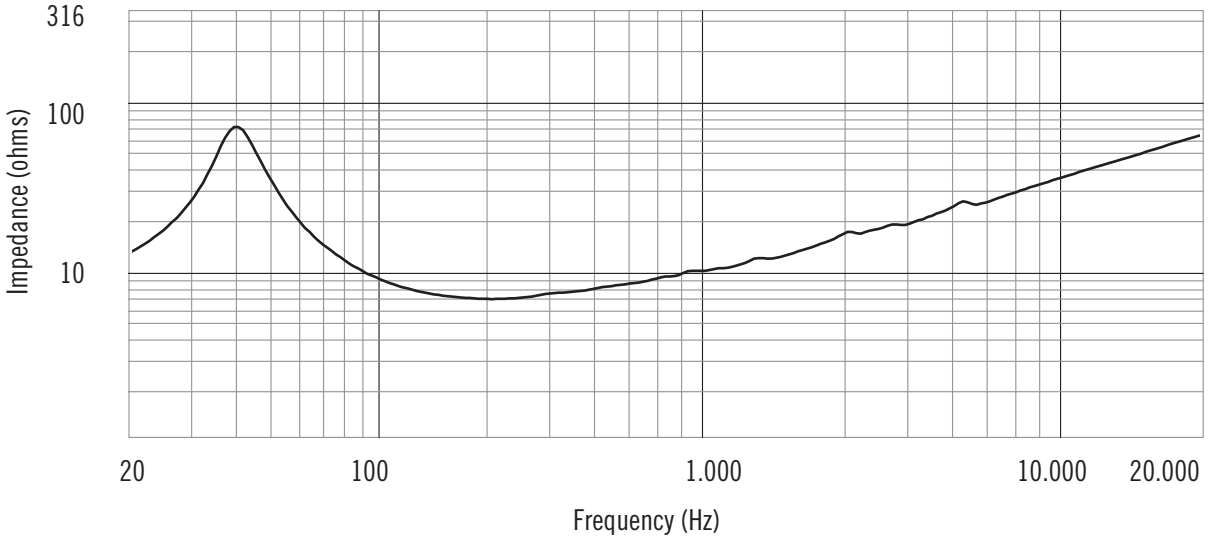


Ø 393 mm




110
100
90
80
SPL, 1w/1m (dB)
20
100
1.000
10.000
20.000
Frequency (Hz)


316
100
10
Impedance (ohms)
20
100
1.000
10.000
20.000
Frequency (Hz)