MB15N405

MID - BASS

DESCRIPTION

The MB15N405 is a hypervented neo mid-bass design with a linear frequency response and very high efficiency. To get this performance the magnetic structure use a high flux neo disc and the cone assembly a fibre loaded exponential shape along with a high excursion triple roll, constant geometry surround. The fibreglass former and aluminium voice coil provide a very high power handling maintaining a light mass and a proper Q factor for bass alignment.

FEATURES

- 4-inch, fiberglass inside/outside copper voice coil
- 2200W continuous program power handling
- 100 dB Sensitivity
- 45 Hz – 2.5 kHz Frequency range
- Dual-forced air ventilation for minimum power compression
- Triple roll surround and exponential cone geometry

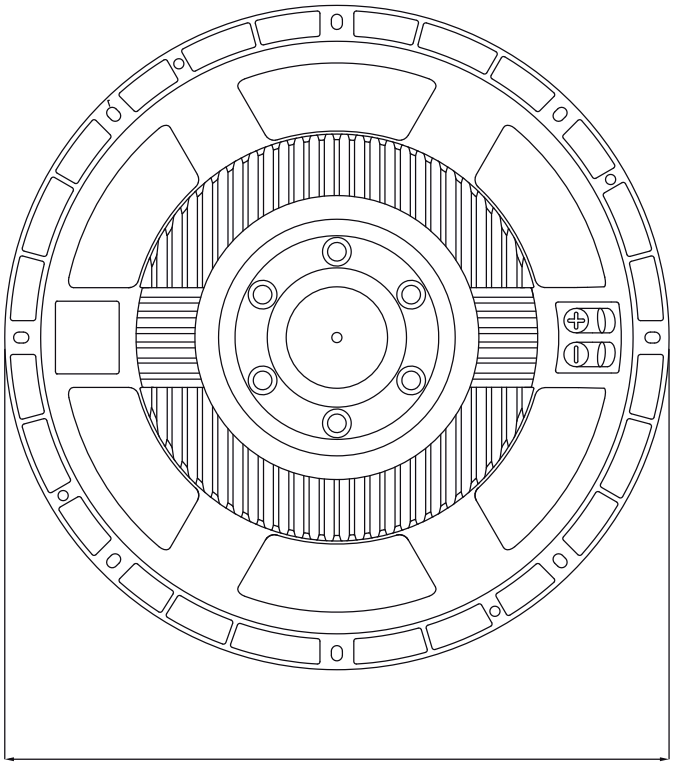
TECHNICAL SPECIFICATIONS

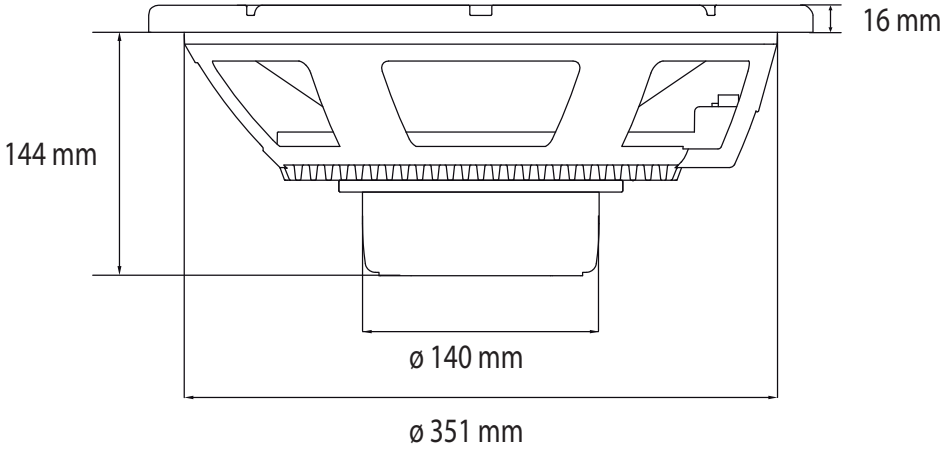
General specifications	Nominal Diameter:	15 inch / 381 mm
	Rated Impedance:	8 ohm
	Program Power (watt):	2200 W
	Power handling capacity:	1100 W
	Sensitivity:	100 dB
	Frequency range:	45 - 2500 Hz
	Effective piston diameter:	340 mm / 13.39 inch
	Max. Excursion Before Damage:	53 mm / 2.09 inch
	Minimum Impedance (ohm):	5 ohm
	Voice Coil Diameter:	4.0 inch / 102 mm
	Voice Coil Winding Material:	Aluminium
	Voice Coil Length:	20 mm / 0.79 inch
	Number of layers:	2
	Kind of layers:	inside/outside
	Top Plate Thickness:	12 mm / 0.47 inch
	Cone Design:	Curved
	Surround Material:	Polycotton
	Surround Design:	Triple roll
	Magnets:	Neodymium
	Hypervented magnetic structure:	Yes
	Spider:	Single
Thiele - small parameters	Resonance frequency (Fs):	46 Hz
	DC resistance (Re) (ohm):	5.50 ohm
	Mechanical factor:	4.80 Qms
	Electrical factor:	0.28 Qes
	Total factor:	0.27 Qts
	Bl factor (Bl) (T x m):	23.50 T x m
	Effective moving mass (Mms):	98 gr
	Equivalent Cas air loaded (Vas):	124 liters
	Effettive piston area (Sd):	0.09 m2
	Max. linear excursion (Xmax):	7 mm
	Voice coil inductance @ 1kHz (Le1k):	1.10 mH
	Half-space efficency (Eff):	4.10%
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:	3.8 liters / 0.15 ft3
Standard compliance	CE marking:	Yes

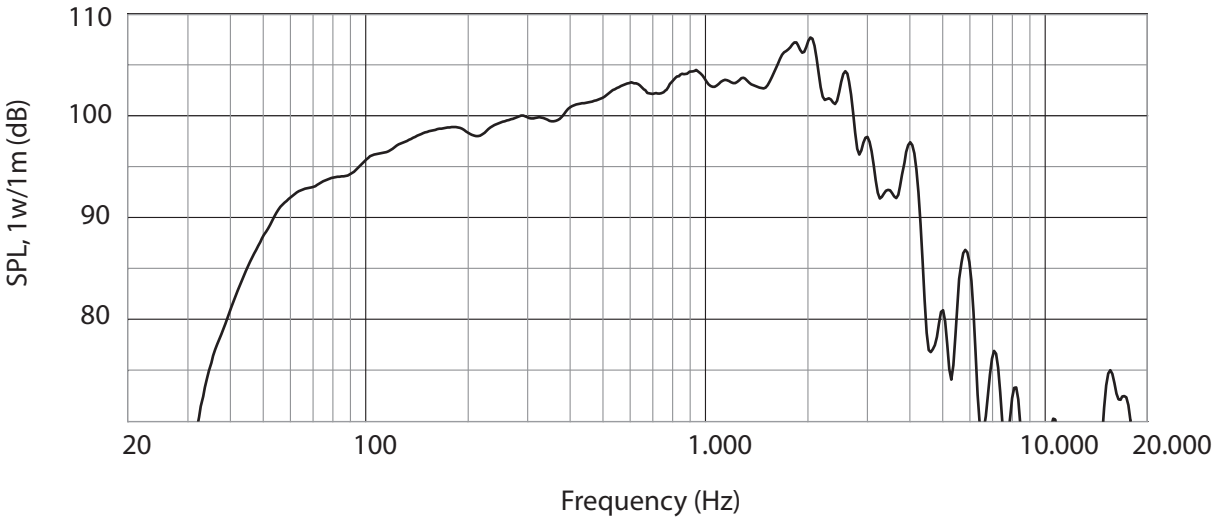
Size	Height:	160 mm / 6.3 inches
	Diameter:	393 mm / 15.47 inches
	Weight:	8.6 kg / 18.96 lbs
Shipping informations	Package Height:	209 mm / 8.23 inches
	Package Width:	439 mm / 17.28 inches
	Package Depth:	434 mm / 17.09 inches
	Package Weight:	9.3 kg / 20.5 lbs

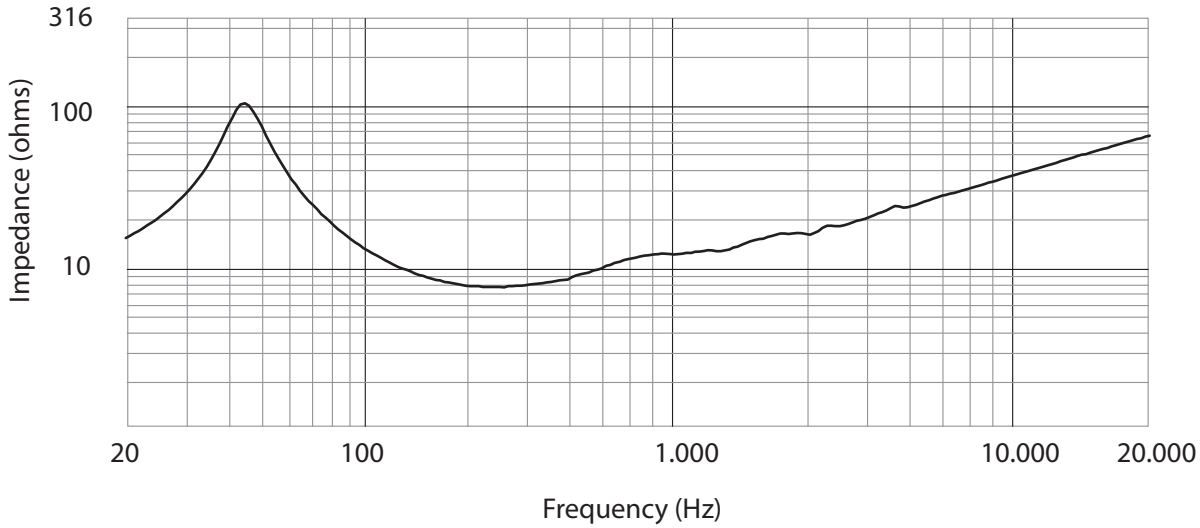
PART NUMBER

- **11100108**
  MB15N405
  8ohm


ø 393 mm


16 mm
144 mm
ø 140 mm
ø 351 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)