

MB15H401

MID-BASS

DESCRIPTION

The MB15H401 is a 15-inch woofer with linear frequency response characteristics and very high efficiency.

The MB15H401 uses a fibre loaded exponential cone assembly along with a high excursion triple roll, constant geometry surround. The fiberglass former, inside / outside aluminum voice coil provides a very good power handling maintaining light moving mass and proper Q for bass alignment. Demodulation ring for fastest time response and lowest distortion.



FEATURES

- 4-inch, fiberglass inside/outside aluminum voice coil
- 1400W continuous program power handling
- 100 dB Sensitivity
- 40 Hz - 2 kHz Frequency range
- Dual spider design with silicon based dampening control
- Triple-roll surround and corrugated straight cone geometry
- Aluminum demodulation ring

TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter:	15 inch / 381 mm
Rated Impedance:	8 ohm
Program Power (watt):	1400 W
Power handling capacity:	700 W
Sensitivity:	100 dB
Frequency range:	40 - 2000 Hz
Effective piston diameter:	340 mm / 13.39 inch
Max. Excursion Before Damage:	50 mm / 1.97 inch
Minimum Impedance (ohm):	7 ohm
Voice Coil Diameter:	4.0 inch / 102 mm
Voice Coil Winding Material:	Aluminium
Voice Coil Length:	21 mm / 0.83 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:	Ceramic
Demodulation Rings material:	Aluminium
Spider:	Dual with silicon based damping control

Thiele - small parameters

Resonance frequency (Fs):	44 Hz
DC resistance (Re) (ohm):	5.40 ohm
Mechanical factor:	4.80 Qms
Electrical factor:	0.32 Qes
Total factor:	0.30 Qts
Bl factor (Bl) (T x m):	22.10 T x m
Effective moving mass (Mms):	107 gr
Equivalent Cas air loaded (Vas):	121 liters
Effective piston area (Sd):	0.09 m ²
Max. linear excursion (Xmax):	8 mm
Voice coil inductance @ 1kHz (Le1k):	0.70 mH
Half-space efficiency (Eff):	3.11%

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:	352 mm / 13.86 inch
Rear mount baffle cut-out:	360 mm / 14.17 inch
Volume occupied by the driver:	4.3 liters / 0.17 ft ³

Standard compliance

CE marking:	Yes
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Size	Height:	164 mm / 6.46 inches
	Diameter:	393 mm / 15.47 inches
	Weight:	12 kg / 26.46 lbs

Shipping informations	Package Height:	215 mm / 8.46 inches
	Package Width:	430 mm / 16.93 inches
	Package Depth:	435 mm / 17.13 inches
	Package Weight:	13.5 kg / 29.76 lbs

PART NUMBER

- **11100015**
MB15H401
8ohm



