Specification

Nominal Basket Diameter	12”, 305mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	300W
Music Program	
Resonance	50Hz
Usable Frequency Range***	60Hz-4.0kHz
Sensitivity	100
Magnet Weight	56oz
Gap Height	.39”,10.01mm
Voice Coil Diameter	2.5”,63.5mm

Thiele & Small Parameters

Resonant Frequency (fs)	50Hz
DC Resistance (Re)	5.7
Coil Inductance (Le)	.62mH
Mechanical Q (Qms)	7.48
Electromagnetic Q (Qes)	0.41
Total Q (Qts)	0.39
Compliance Equivalent Volume (Vas)	103.64 ltr./3.66cuft
Peak Diaphragm Displacement Volume (Vd)	84.10cc
Mechanical Compliance of Suspension (Cms)	.27mm/N
BL Product (BL)	12.8 T-M
Diaphragm Mass inc. Airload (Mms)	37.2 grams
Efficiency Bandwidth Product (EBP)	122
Maximum Linear Excursion (Xmax)	1.6mm
Surface Area of Cone (Sd)	525.9cm2
Maximum Mechanical Limit (Xlim)	6.5mm

Mounting Information

Recommended Enclosure Volume	
Sealed	10-37 liters / .3-1.3 cuft
Vented	27-85 liters / 1.0-3.0 cuft
Overall Diameter	12.25”, 311.15mm
Baffle Hole Diameter	11.00”, 279.40mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	.25”, 6.35mm
Mounting Holes B.C.D.	11.72”, 297.69mm
Depth	5.00”, 127.00mm
Net Weight	11.40 lbs, 5.17 kg
Shipping Weight	

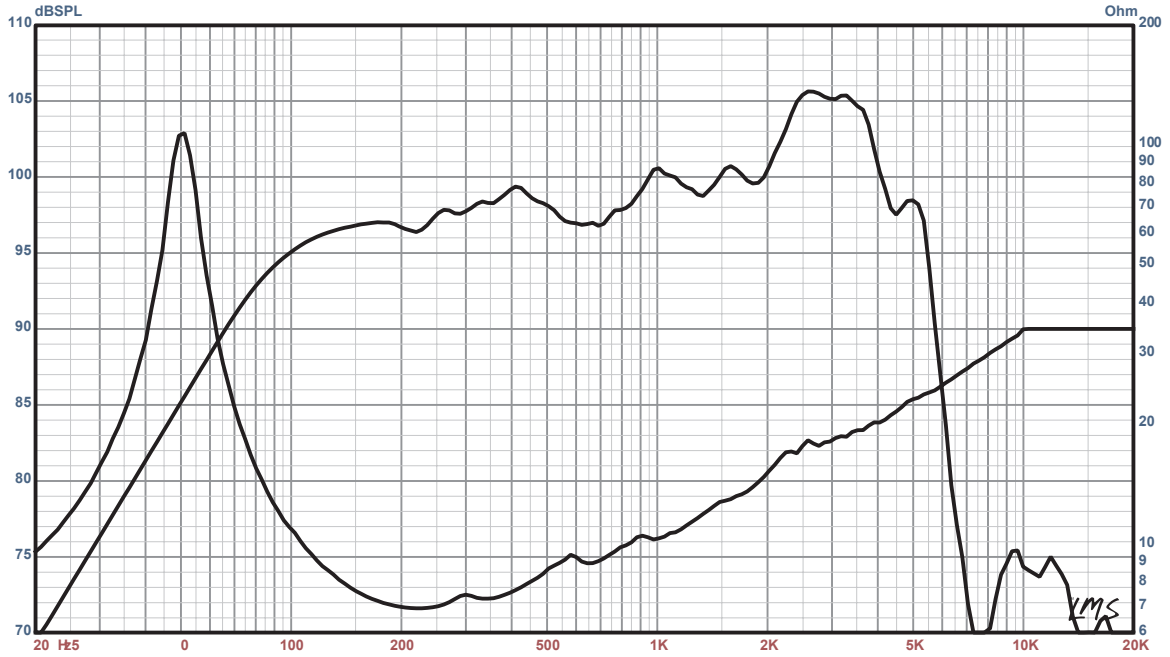
Materials of Construction

Coil Construction	Aluminum
Coil Former	Polyimide
Magnet Composition	Ferrite
Motor Details	Vented Core
Basket Material	Steel
Cone Composition	Treated Paper
Cone Edge Composition	Sealed Cloth
Dust Cap Composition	Treated Paper

EMINENCE®
DONGGUAN

EPA-S2512

High Power PA or MI mid/woofer. Works well as a mid in small sealed boxes or as a mid/woofer in medium sized vented boxes.



* Please inquire about alternative impedances.

** Multiple units exceed published rating evaluated under EIA 426A noise source and test standard while in a free-air, non-temperature controlled environment.

*** The average output across the usable frequency range when applying 1W/1M into the nominal impedance. Ie: 2.83V/8ohms, 4V/16ohms.

Eminence response curves are measured under the following conditions: All speakers are tested at 1w/1m using a variety of test set-ups for the appropriate impedance | LMS using 0.25” supplied microphone (software calibrated) mounted 1m from wall/baffle | 2ft. X 2ft. baffle is built into the wall with the speaker mounted flush against a steel ring for minimum diffraction | Hafler P1500 Trans-Nova amplifier | 2700 cu.ft. chamber with fiberglass on all six surfaces (three with custom-made wedges)