

Specification

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|---------------------------|---------------|
| Nominal Basket Diameter | 15", 381mm |
| Nominal Impedance* | 8 ohms |
| Power Rating** | 200W |
| Resonance | 41Hz |
| Usable Frequency Range*** | 46Hz-3.5kHz |
| Sensitivity | 97 |
| Magnet Weight | 25 oz. |
| Gap Height | 0.25", 6.35mm |
| Voice Coil Diameter | 1.5", 38.1mm |

Thiele & Small Parameters

| | |
|---|----------------------------|
| Resonant Frequency (fs) | 41Hz |
| DC Resistance (Re) | 5.88 |
| Coil Inductance (Le) | 0.84mH |
| Mechanical Q (Qms) | 7.23 |
| Electromagnetic Q (Qes) | 1.53 |
| Total Q (Qts) | 1.26 |
| Compliance Equivalent Volume (Vas) | 260.0 liters / 9.2 cu. ft. |
| Peak Diaphragm Displacement Volume (Vd) | 325cc |
| Mechanical Compliance of Suspension (Cms) | 0.25mm/N |
| BL Product (BL) | 7.7 T-M |
| Diaphragm Mass inc. Airload (Mms) | 59 grams |
| Efficiency Bandwidth Product (EBP) | 27 |
| Maximum Linear Excursion (Xmax) | 3.8mm |
| Surface Area of Cone (Sd) | 856.3 cm ² |
| Maximum Mechanical Limit (Xlim) | 8.4mm |

Mounting Information

| | |
|------------------------------|----------------------------------|
| Recommended Enclosure Volume | |
| Sealed | 71-85 liters/2.5-3 cu. ft. |
| Vented | 106-177 liters/3.75-6.25 cu. ft. |
| Overall Diameter | 15.15", 384.8mm |
| Baffle Hole Diameter | 13.77", 349.6mm |
| Front Sealing Gasket | fitted as standard |
| Rear Sealing Gasket | fitted as standard |
| Mounting Holes Diameter | 0.25", 6.4mm |
| Mounting Holes B.C.D. | 14.56", 369.9mm |
| Depth | 5.83", 148mm |
| Net Weight | 6.7 lbs., 3 kg |
| Shipping Weight | 8.8 lbs., 4 kg |

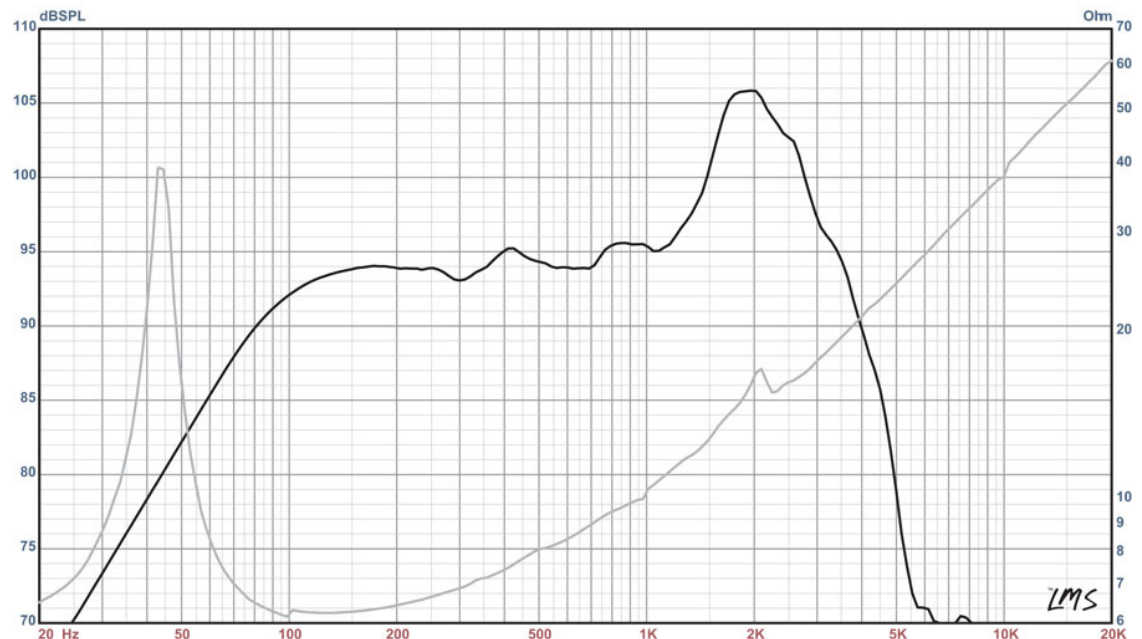
Materials of Construction

Copper voice coil
 Polyimide former
 Ferrite magnet
 Vented and extended core
 Pressed steel basket
 Paper Cone
 Cloth cone edge
 Solid composition paper dust cap



ALPHA-15A American Standard Series

Recommended for professional audio and bass guitar applications as a woofer in a vented or sealed enclosure.



* 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)