

Specification

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|---------------------------|----------------|
| Nominal Basket Diameter | 15", 381mm |
| Nominal Impedance* | 8 ohms |
| Power Rating** | 300W |
| Resonance | 35Hz |
| Usable Frequency Range*** | 45Hz-3.7kHz |
| Sensitivity | 98.2 |
| Magnet Weight | 34 oz. |
| Gap Height | 0.312", 7.92mm |
| Voice Coil Diameter | 2", 50.8mm |

Thiele & Small Parameters

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|---|-----------------------------|
| Resonant Frequency (fs) | 35Hz |
| DC Resistance (Re) | 6.32 |
| Coil Inductance (Le) | 1.10mH |
| Mechanical Q (Qms) | 8.10 |
| Electromagnetic Q (Qes) | 0.63 |
| Total Q (Qts) | 0.58 |
| Compliance Equivalent Volume (Vas) | 334.6 liters / 11.8 cu. ft. |
| Peak Diaphragm Displacement Volume (Vd) | 330cc |
| Mechanical Compliance of Suspension (Cms) | 0.35mm/N |
| BL Product (BL) | 11.5 T-M |
| Diaphragm Mass inc. Airload (Mms) | 60 grams |
| Efficiency Bandwidth Product (EBP) | 56 |
| Maximum Linear Excursion (Xmax) | 4.0mm |
| Surface Area of Cone (Sd) | 823.7 cm ² |
| Maximum Mechanical Limit (Xlim) | 11.6mm |

Mounting Information

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|------------------------------|--------------------------------|
| Recommended Enclosure Volume | |
| Sealed | 45-62 liters/1.6-2.2 cu.ft. |
| Vented | 99-175.6 liters/3.5-6.2 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 | 6.05", 154mm |
| Net Weight | 8.8 lbs., 4 kg |
| Shipping Weight | 10.8 lbs., 4.9 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



BETA-15A American Standard Series

Recommended for professional audio as a woofer in sealed and vented enclosures.



* 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)