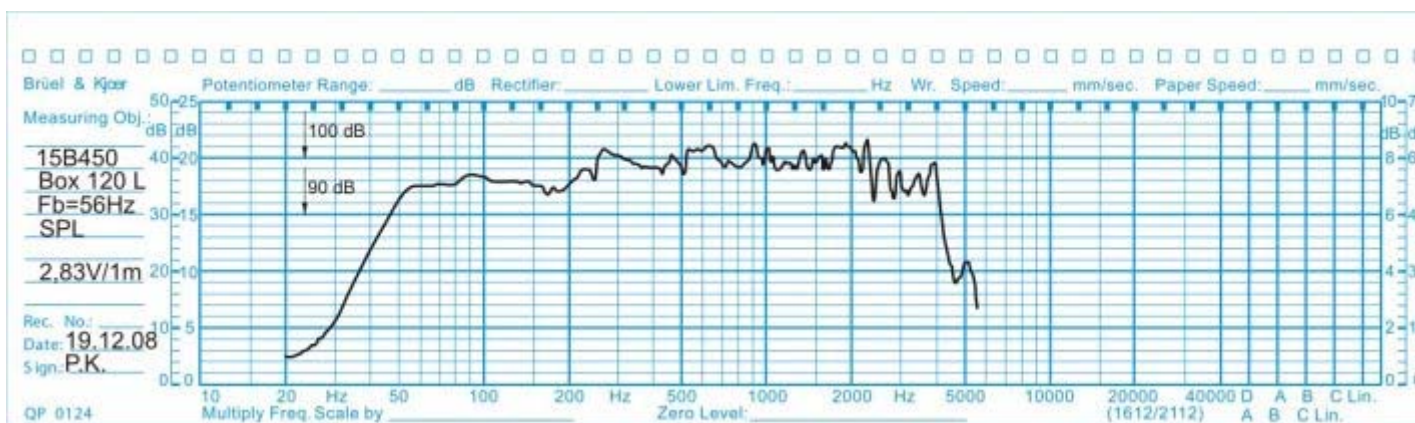


Model : 15 B 450

OBERTON



Application : High power woofer

| SPECIFICATIONS | | THIELE-SMALL PARAMETERS | |
|---|--|---|---|
| Nominal Diameter | 15"/388 inch/mm | Resonance Frequency | 45.08 Hz |
| Impedance | 8 Ohm | Mechanical Efficiency Factor (Qms) | 9.60 |
| Minimum Impedance | 6.32 Ohm | Electrical Efficiency Factor (Qes) | 0.294 |
| Power Capacity AES ¹ | 450 W | Total Q (Qts) | 0.286 |
| Power Capacity ² | 350 W | Equivalent Air Volume (Vas) | 146.85 Litres |
| Program Power ³ | 900 W | Diaphragm mass ind. airload (Mms) | 81.56 grams |
| Sensitivity | (200-2000 Hz) 100 dB/W/m | Voice Coil Resistance Re | 5.32 Ohms |
| Frequency Range | 45 - 2500 Hz | Effective Diagram Area (Sd) | 829.6 cm² |
| Voice Coil Diameter | 77 mm | Peak Linear Displacement of Diaphragm (Xmax) | ± 6.75 mm |
| Voice Coil Material | Copper | Mechanical Compliance of Suspension (Cms) | 20.43 T.m |
| Voice Coil Former | Kapton™ | BL Product (BL) | 1.08 mH |
| Voice Coil Winding | 18 mm | V.C. Inductance at 1 kHz (Le) | |
| Depth | 9 mm | | |
| Magnet Gap Depth | Kevlar paper | | |
| Cone Material | Die cast aluminium | | |
| Basket | Ferrite | | |
| Magnet | 1.33 T | | |
| Flux Density | | | |
| | 1. AES standard. Power is calculated on rated minimum impedance. | | |
| | 2. Measurement is in 125 L box enclosure tuned 56 Hz using a 40-400 Hz band limited pink noise test signal applied continuously for 2 hours. | | |
| | 3. Program power is defined as 3db greater than AES Power Capacity. | | |
| | | | * Linear Mathematical Xmax is calculated as: $(Hvc - Hg)/2 + Hg/4$ where Hvc is the voice coil depth and Hg is the gap depth. |
| MOUNTING INFORMATION | | | |
| Overall Diameter | | 388 mm | |
| Baffle Hole Diameter | | 352 mm | |
| Number of Mounting Holes | | 8 elliptic 7x8 mm | |
| Bolt Circle Diameter | | 370/372 mm | |
| Overall Depth | | 162.5 mm | |
| Net Weight | | 7.5 kg | |
| <p>15B450 loudspeaker combining good linearity and efficiency with high power handling capabilities, with use of 77 mm voice coil. It features aluminium die cast frame, 180 mm magnet structure and 19 mm high voice coil. 15B450 is suitable for application in a wide variety of enclosure types and particularly as LF driver in 2- or 3- way systems.</p> | | | |