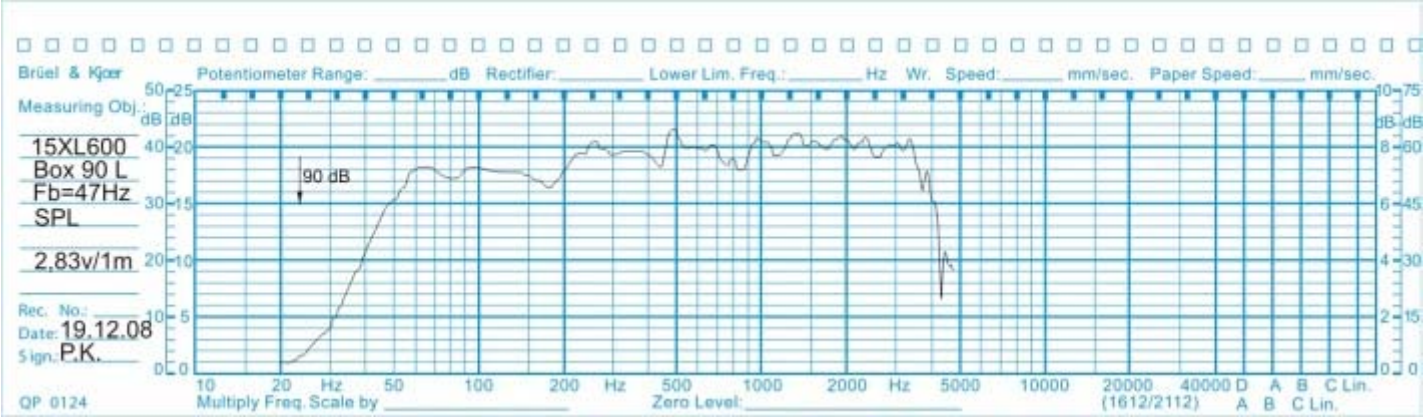
Model : 15 XL 600

OBERTON



Application : Mid-bass

SPECIFICATIONS	
Nominal Diameter	**15"/385 inch/mm**
Impedance	**8 Ohm**
Minimum Impedance	**6.7 Ohm**
Power Capacity AES [1]	**600 W**
Power Capacity [2]	**500 W**
Program Power [3]	**1200 W**
Sensitivity	**(200-2000 Hz) 100 dB/W/m**
Frequency Range	**50 – 3000 Hz**
Voice Coil Diameter	**100 mm**
Voice Coil Material	**Aluminum**
Voice Coil Former	**Kapton™**
Voice Coil Winding	**16**
Depth	**11 mm**
Magnet Gap Depth	**Kevlar Paper**
Cone Material	**Die Cast Aluminium**
Basket	**Ferrite**
Magnet	**1.25 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.

THIELE-SMALL PARAMETERS	
Resonance Frequency	**40.9 Hz**
Mechanical Efficiency Factor (Qms)	**10.9**
Electrical Efficiency Factor (Qes)	**0.220**
Total Q (Qts)	**0.216**
Equivalent Air Volume (Vas)	**150.32 Litres**
Diaphragm mass ind. airload (Mms)	**96.91 grams**
Voice Coil Resistance Re	**5.40Ohms**
Effective Diagram Area (Sd)	**829.6 cm2**
Peak Linear Displacement of Diaphragm	**±5.25 mm**
(Xmax)	**0.156 mm/N**
Mechanical Compliance of Suspension (Cms)	**24.70 T.m**
BL Product (BL)	**1.09 mH**
V.C. Inductance at 1 kHz (Le)	

* 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	**354 mm**
Number of Mounting Holes	**8 with dia. 7mm**
Bolt Circle Diameter	**370/372 mm**
Overall Depth	**176.4 mm**
Net Weight	**10.85 kg**

15XL600 is a high power 15 inch mid-bass loudspeaker, with very high efficiency and good linearity. It features a 4” aluminum sandwich voice coil, 220 mm magnet structure, vented aluminium frame, double spider assembly and aluminum demodulating ring that reduces