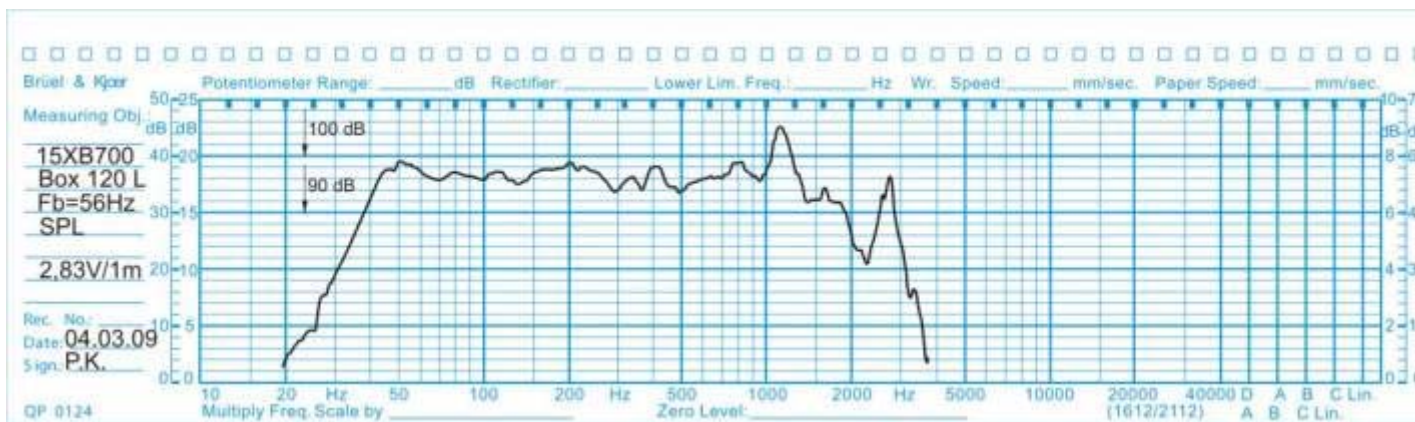


Model : 15 XB 700

**OBERTON**



### Application : Extended low frequency woofer

SPECIFICATIONS		THIELE-SMALL PARAMETERS	
<b>Nominal Diameter</b>	<b>15"/385 inch/mm</b>	<b>Resonance Frequency</b>	<b>37.2 Hz</b>
<b>Impedance</b>	<b>8 Ohm</b>	<b>Mechanical Efficiency Factor (Qms)</b>	<b>9.2</b>
<b>Minimum Impedance</b>	<b>7.05 Ohm</b>	<b>Electrical Efficiency Factor (Qes)</b>	<b>0.292</b>
<b>Power Capacity AES <sup>1</sup></b>	<b>1000 W</b>	<b>Total Q (Qts)</b>	<b>0.283</b>
<b>Power Capacity <sup>2</sup></b>	<b>700 W</b>	<b>Equivalent Air Volume (Vas )</b>	<b>111.02 Litres</b>
<b>Program Power <sup>3</sup></b>	<b>2000 W</b>	<b>Diaphragm mass ind. airload (Mms)</b>	<b>158.39 grams</b>
<b>Sensitivity</b>	<b>(100-200 Hz) 95 dB/W/m</b>	<b>Voice Coil Resistance Re</b>	<b>5.19 Ohms</b>
<b>Frequency Range</b>	<b>37 - 2000 Hz</b>	<b>Effective Diagram Area (Sd)</b>	<b>829.6 cm<sup>2</sup></b>
<b>Voice Coil Diameter</b>	<b>100 mm</b>	<b>Peak Linear Displacement of Diaphragm (Xmax)</b>	<b>±9 mm</b>
<b>Voice Coil Material</b>	<b>Copper</b>	<b>Mechanical Compliance of Suspension (Cms)</b>	<b>25.64 T.m</b>
<b>Voice Coil Former</b>	<b>Kapton™</b>	<b>BL Product (BL)</b>	<b>1.9 mH</b>
<b>Voice Coil Winding</b>	<b>25 mm</b>	<b>V.C. Inductance at 1 kHz (Le)</b>	
<b>Depth</b>	<b>14 mm</b>		
<b>Magnet Gap Depth</b>	<b>Paper</b>		
<b>Cone Material</b>	<b>Die cast aluminium</b>		
<b>Basket</b>	<b>Ferrite</b>		
<b>Magnet</b>	<b>0.98 T</b>		
<b>Flux Density</b>			
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			
<b>Overall Diameter</b>		<b>388 mm</b>	
<b>Baffle Hole Diameter</b>		<b>354 mm</b>	
<b>Number of Mounting Holes</b>		<b>8 with dia. 7mm</b>	
<b>Bolt Circle Diameter</b>		<b>370 / 372 mm</b>	
<b>Overall Depth</b>		<b>179.4 mm</b>	
<b>Net Weight</b>		<b>11.95 kg</b>	
<p><b>15 XB 700 is a high power long coil 15 inch bass loudspeaker design to reinforce low frequency range at very high sound power levels. It features a 4" sandwich voice coil, vented aluminium frame 220 mm magnet structure and double spider assembly. It is suitable</b></p>			