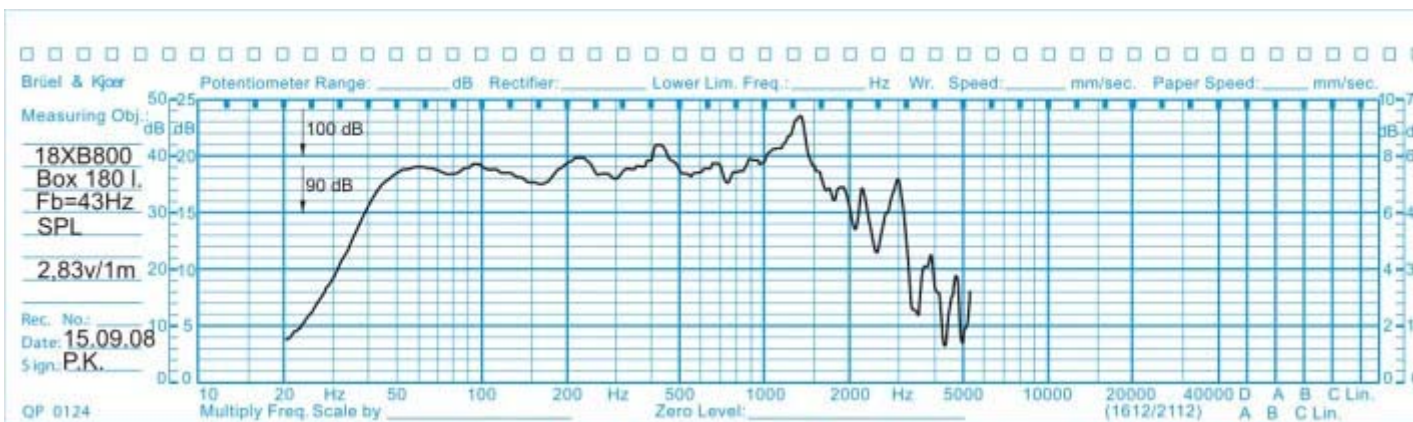


Model : 18 XB 800

**OBERTON**



<b>Application : Power bass</b>			
<b>SPECIFICATIONS</b>		<b>THIELE-SMALL PARAMETERS</b>	
<b>Nominal Diameter</b>	<b>18"/461 inch/mm</b>	<b>Resonance Frequency</b>	<b>35.83 Hz</b>
<b>Impedance</b>	<b>8 Ohm</b>	<b>Mechanical Efficiency Factor (Qms)</b>	<b>8.76</b>
<b>Minimum Impedance</b>	<b>6.95 Ohm</b>	<b>Electrical Efficiency Factor (Qes)</b>	<b>0.353</b>
<b>Power Capacity AES <sup>1</sup></b>	<b>1100 W</b>	<b>Total Q (Qts)</b>	<b>0.339</b>
<b>Power Capacity <sup>2</sup></b>	<b>800 W</b>	<b>Equivalent Air Volume (Vas )</b>	<b>162.78 Litres</b>
<b>Program Power <sup>3</sup></b>	<b>2200 W</b>	<b>Diaphragm mass ind. airload (Mms)</b>	<b>208.66 grams</b>
<b>Sensitivity</b>	<b>(50-200 Hz) 97.5 dB/W/m</b>	<b>Voice Coil Resistance Re</b>	<b>5.02 Ohms</b>
<b>Frequency Range</b>	<b>35 - 500 Hz</b>	<b>Effective Diagram Area (Sd)</b>	<b>1110 cm<sup>2</sup></b>
<b>Voice Coil Diameter</b>	<b>100 mm</b>	<b>Peak Linear Displacement of Diaphragm (Xmax)</b>	<b>± 11.5 mm</b>
<b>Voice Coil Material</b>	<b>Copper</b>	<b>Mechanical Compliance of Suspension (Cms)</b>	<b>27.85 T.m</b>
<b>Voice Coil Former</b>	<b>Kapton™</b>	<b>BL Product (BL)</b>	<b>1.87 mH</b>
<b>Voice Coil Winding</b>	<b>30 mm</b>	<b>V.C. Inductance at 1 kHz (Le)</b>	
<b>Depth</b>	<b>14 mm</b>		
<b>Magnet Gap Depth</b>	<b>Water protected Kevlar paper</b>		
<b>Cone Material</b>	<b>Die cast aluminium</b>		
<b>Basket</b>	<b>Ferrite</b>		
<b>Magnet</b>	<b>1.00 T</b>		
<b>Flux Density</b>			
	1. AES standard. Power is calculated on rated minimum impedance.		
	2. Measurement is in 180 L box enclosure tuned 43 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.
<b>MOUNTING INFORMATION</b>			
<b>Overall Diameter</b>		<b>461 mm</b>	
<b>Baffle Hole Diameter</b>		<b>416 mm</b>	
<b>Number of Mounting Holes</b>		<b>8 elliptic 7 x 8,5 mm</b>	
<b>Bolt Circle Diameter</b>		<b>438/441 mm</b>	
<b>Overall Depth</b>		<b>202.5 mm</b>	
<b>Net Weight</b>		<b>12.9 kg</b>	
<p><b>The 18XB800 bass loudspeaker is specially designed to deliver high impact bass response, with exceptional high power capacity. It incorporates an 30 mm long, 4`` sandwich voice coil, kevlar paper cone, a powerful, vented 220 mm magnetic structure with higher energy than 18XB700,die cast vented aluminium frame which reduced power compression, and double spider assembly. This results in an incredible high efficient transducer for subwoofer</b></p>			