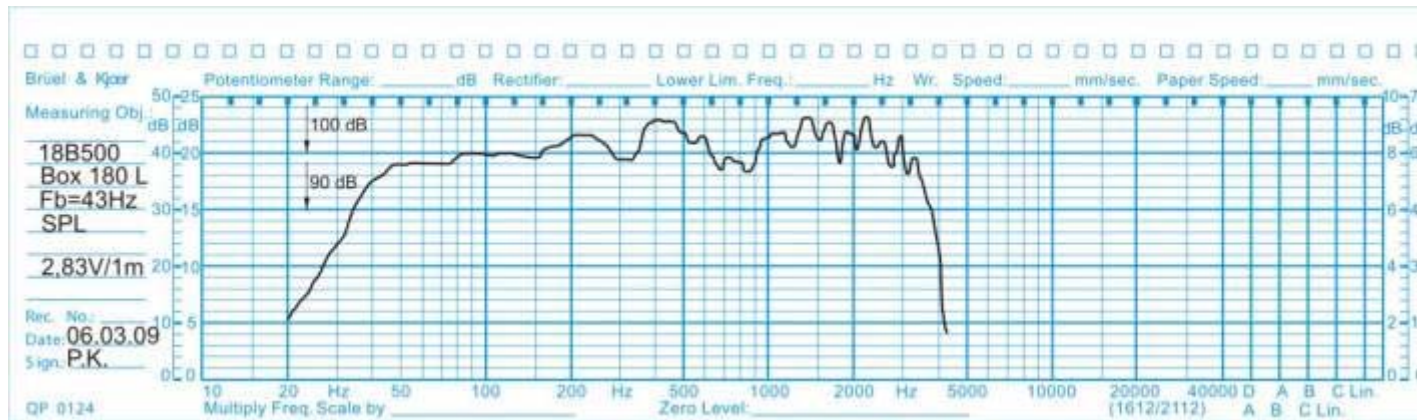


Model : 18 B 500

**OBERTON**



## Application : Power bass

SPECIFICATIONS		THIELE-SMALL PARAMETERS	
<b>Nominal Diameter</b> 18"/461 inch/mm <b>Impedance</b> 8 Ohm <b>Minimum Impedance</b> 6.38 Ohm <b>Power Capacity AES <sup>1</sup></b> 600 W <b>Power Capacity <sup>2</sup></b> 500 W <b>Program Power <sup>3</sup></b> 1200 W <b>Sensitivity</b> (50 - 200 Hz) 99 dB/W/m <b>Frequency Range</b> 35 - 1000 Hz <b>Voice Coil Diameter</b> 77 mm <b>Voice Coil Material</b> Copper <b>Voice Coil Former</b> Kapton™ <b>Voice Coil Winding</b> 23 mm <b>Depth</b> 11 mm <b>Magnet Gap Depth</b> Paper <b>Cone Material</b> Die cast aluminium <b>Basket</b> Ferrite <b>Magnet</b> 1.27 T <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.	<b>Resonance Frequency</b> 34.90 Hz <b>Mechanical Efficiency Factor (Qms)</b> 9.24 <b>Electrical Efficiency Factor (Qes)</b> 0.284 <b>Total Q (Qts)</b> 0.275 <b>Equivalent Air Volume (Vas )</b> 243.91 Litress <b>Diaphragm mass ind. airload (Mms)</b> 146.79 grams <b>Voice Coil Resistance Re</b> 5.10 Ohms <b>Effective Diagram Area (Sd)</b> 1110 cm <sup>2</sup> <b>Peak Linear Displacement of Diaphragm (Xmax)</b> 0.142 mm/N <b>Mechanical Compliance of Suspension (Cms)</b> 24.06 T.m <b>BL Product (BL)</b> 1.37 mH <b>V.C. Inductance at 1 kHz (Le)</b> * 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>Baffle Hole Diameter</b> <b>Number of Mounting Holes</b> <b>Bolt Circle Diameter</b> <b>Overall Depth</b> <b>Net Weight</b>	<b>461 mm</b> <b>416 mm</b> <b>8 elliptic 7 x 8,5 mm</b> <b>438/441 mm</b> <b>204 mm</b> <b>12.30 kg</b>		
<p><b>The 18B500 loudspeaker are intended for high level, high power low frequency reproduction in ported enclosures. It feature vented die cast frame, 220 mm magnet structure, 3 inch voice coil and double spider assembly. This results in an very high sensitivity bass transducer for high power subwoofer application.</b></p>			