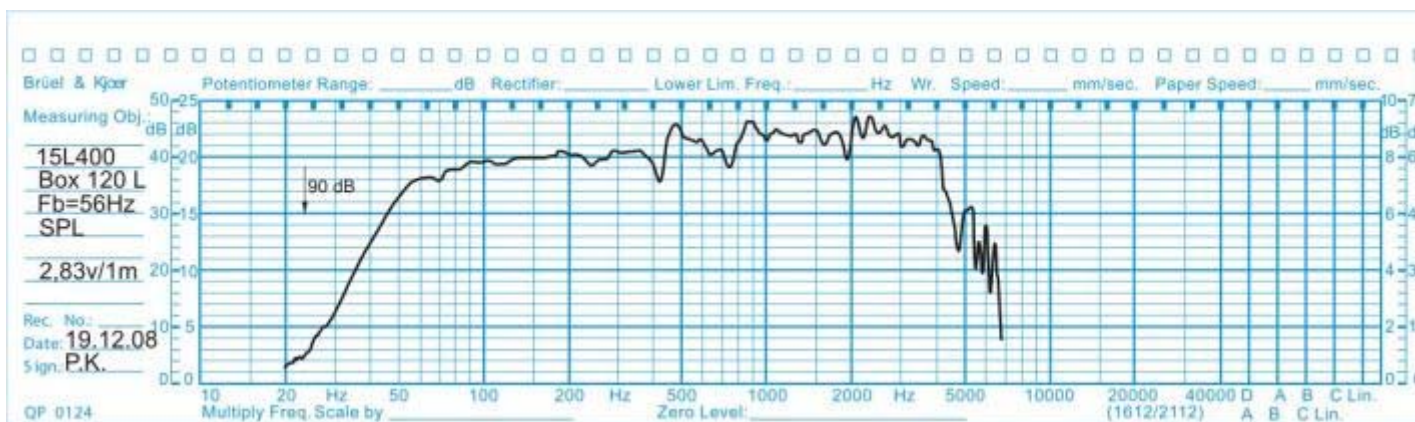


Model : 15 L 400

**OBERTON**



<b>Application : Woofer with extended mid for live music</b>			
<b>SPECIFICATIONS</b>		<b>THIELE-SMALL PARAMETERS</b>	
<b>Nominal Diameter</b>	<b>15"/381 inch/mm</b>	<b>Resonance Frequency</b>	<b>43.25 Hz</b>
<b>Impedance</b>	<b>8 Ohm</b>	<b>Mechanical Efficiency Factor (Qms)</b>	<b>11.56</b>
<b>Minimum Impedance</b>	<b>6.23 Ohm</b>	<b>Electrical Efficiency Factor (Qes)</b>	<b>0.294</b>
<b>Power Capacity AES <sup>1</sup></b>	<b>400 W</b>	<b>Total Q (Qts)</b>	<b>0.287</b>
<b>Power Capacity <sup>2</sup></b>	<b>300 W</b>	<b>Equivalent Air Volume (Vas )</b>	<b>229.90 Litres</b>
<b>Program Power <sup>3</sup></b>	<b>800 W</b>	<b>Diaphragm mass ind. airload (Mms)</b>	<b>56.60 grams</b>
<b>Sensitivity</b>	<b>(200 – 2000)Hz 102.5 dB/W/m</b>	<b>Voice Coil Resistance Re</b>	<b>5.45 Ohms</b>
<b>Frequency Range</b>	<b>45 - 4000 Hz</b>	<b>Effective Diagram Area (Sd)</b>	<b>829.6 cm<sup>2</sup></b>
<b>Voice Coil Diameter</b>	<b>64 mm</b>	<b>Peak Linear Displacement of Diaphragm (Xmax)</b>	<b>±3.25 mm</b>
<b>Voice Coil Material</b>	<b>Aluminium</b>	<b>Mechanical Compliance of Suspension (Cms)</b>	<b>16.87 T.m</b>
<b>Voice Coil Former</b>	<b>Kapton™</b>	<b>BL Product (BL)</b>	<b>0.62 mH</b>
<b>Voice Coil Winding</b>	<b>11 mm</b>	<b>V.C. Inductance at 1 kHz (Le)</b>	
<b>Depth</b>	<b>9 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>1.35</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.
<b>MOUNTING INFORMATION</b>			
<b>Overall Diameter</b>		<b>388 mm</b>	
<b>Baffle Hole Diameter</b>		<b>352 mm</b>	
<b>Number of Mounting Holes</b>		<b>8 elliptic 7x8 mm</b>	
<b>Bolt Circle Diameter</b>		<b>370/372 mm</b>	
<b>Overall Depth</b>		<b>164.5 mm</b>	
<b>Net Weight</b>		<b>7.25 kg</b>	
<p><b>The 15L400 loudspeaker is combining an exceptional efficiency, extended midrange, high power handling capability with use of 64 mm aluminium voice coil. It features vented aluminium die cast frame, 180 mm magnet structure and special ribbed curvilinear paper cone. 15L400 is suitable for application as the LF driver in compact 15" 2- way boxes.</b></p>			