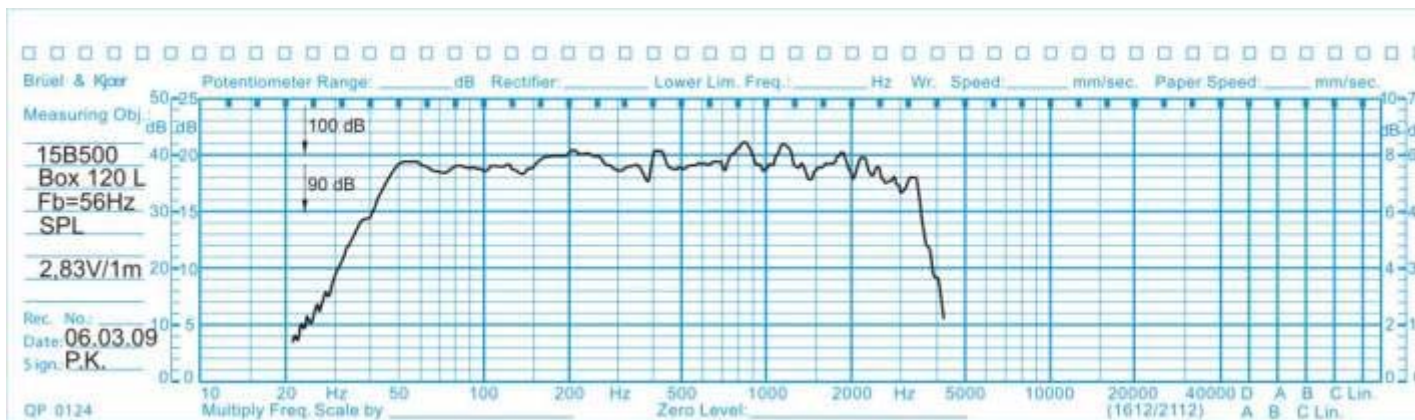


Model : 15 B 500

OBERTON



Application : High power woofer			
SPECIFICATIONS		THIELE-SMALL PARAMETERS	
Nominal Diameter	15"/388 inch/mm	Resonance Frequency	38.20 Hz
Impedance	8 Ohm	Mechanical Efficiency Factor (Qms)	12.06
Minimum Impedance	6.39 Ohm	Electrical Efficiency Factor (Qes)	0.274
Power Capacity AES ¹	500 W	Total Q (Qts)	0.268
Power Capacity ²	400 W	Equivalent Air Volume (Vas)	145.82 Litres
Program Power ³	1000 W	Diaphragm mass ind. airload (Mms)	114.40 grams
Sensitivity	(60-2000 Hz) 99 dB/W/m	Voice Coil Resistance Re	5.23 Ohms
Frequency Range	38 - 2500 Hz	Effective Diagram Area (Sd)	829.6 cm²
Voice Coil Diameter	77 mm	Peak Linear Displacement of Diaphragm (Xmax)	±7.25 mm
Voice Coil Material	Copper	Mechanical Compliance of Suspension (Cms)	22.91 T.m
Voice Coil Former	Kapton™	BL Product (BL)	1.25 mH
Voice Coil Winding	20 mm	V.C. Inductance at 1 kHz (Le)	
Depth	11 mm		
Magnet Gap Depth	Paper		
Cone Material	Die cast aluminium		
Basket	Strontium ferrite		
Magnet	1.20		
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.		* 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 elliptic 7x8 mm	
Bolt Circle Diameter		370/372 mm	
Overall Depth		169 mm	
Net Weight		7.8 kg	
15B500 loudspeaker combining good linearity and efficiency with high power handling capabilities, with use of 77 mm voice coil. It features aluminium die cast frame, water protected cone, 180 mm vented magnet structure and 20 mm high voice coil. It has			