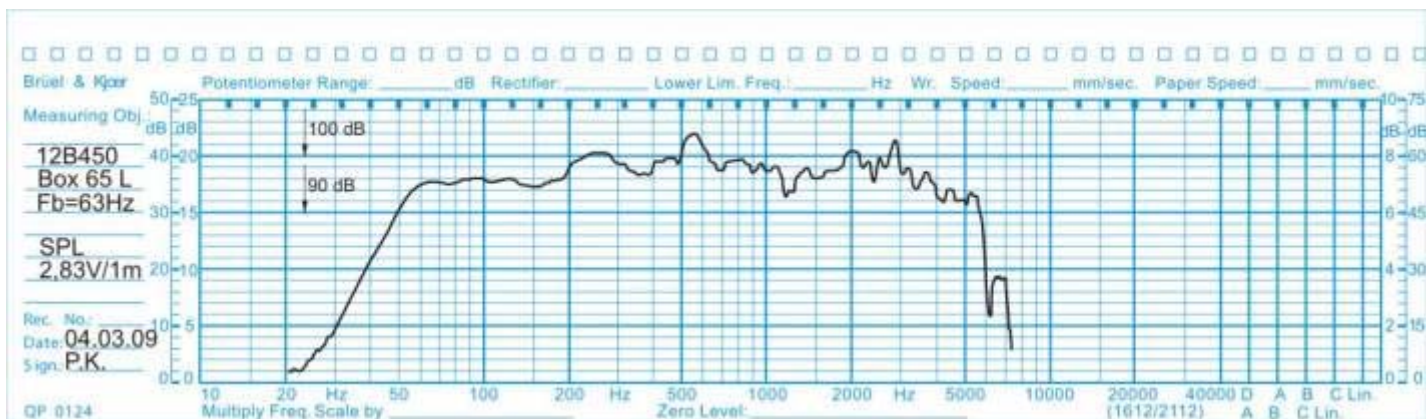


Model : 12 B 450

OBERTON





Application : Woofer

SPECIFICATIONS		THIELE-SMALL PARAMETERS	
Nominal Diameter	12"/310 inch/mm	Resonance Frequency	46.29 Hz
Impedance	8 Ohm	Mechanical Efficiency Factor (Qms)	9.56
Minimum Impedance	6.22 Ohm	Electrical Efficiency Factor (Qes)	0.241
Power Capacity AES ¹	450 W	Total Q (Qts)	0.235
Power Capacity ²	400 W	Equivalent Air Volume (Vas)	71.75 Litres
Program Power ³	900 W	Diaphragm mass ind. a irload (Mms)	60.97 grams
Sensitivity	(200-2000 Hz) 99dB/W/m	Voice Coil Resistance Re	5.07 Ohms
Frequency Range	50 - 3000 Hz	Effective Diagram Area (Sd)	514.7 cm ²
Voice Coil Diameter	77 mm	Peak Linear Displacement of Diaphragm (Xmax)	± 7.25 mm
Voice Coil Material	Aluminium	Mechanical Compliance of Suspension (Cms)	19.31 T.m
Voice Coil Former	Kapton™	BL Product (BL)	1.10 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	Ferrite		
Magnet	1.20 T		
Flux Density			

* Linear Mathematical Xmax is calculated as: $(H_{vc} - H_g)/2 + H_g/4$ where H_{vc} is the voice coil depth and H_g is the gap depth.

1. AES standard. Power is calculated on rated minimum impedance.
 2. Measurement is in 65 L box enclosure tuned 63 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.