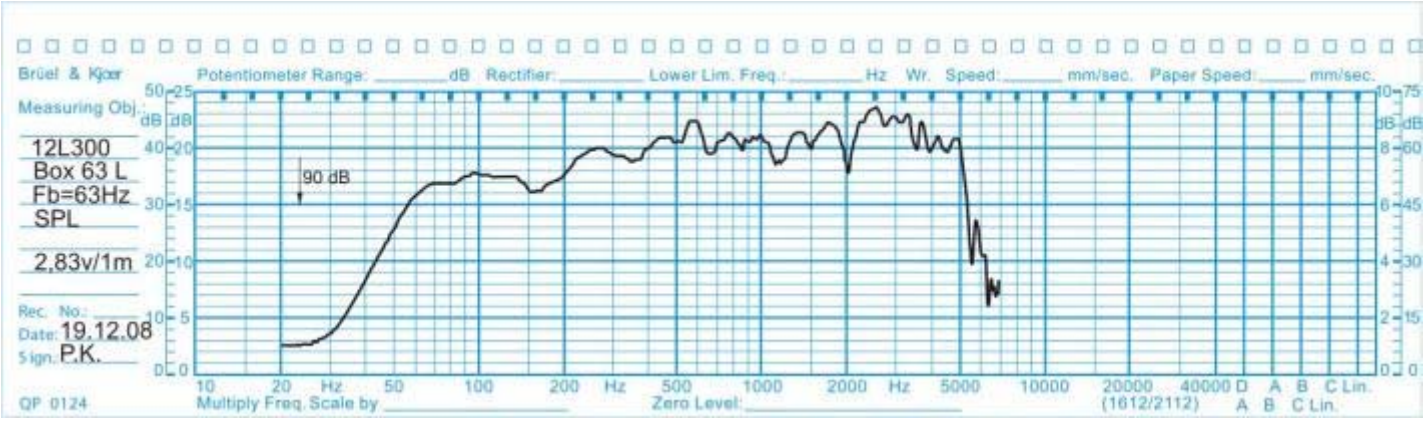
Model : 12 L 300

OBERTON



Application : Woofer with extended mid for live music

SPECIFICATIONS	
Nominal Diameter	12"/310 inch/mm
Impedance	8 Ohm
Minimum Impedance	6.20 Ohm
Power Capacity AES [1]	400 W
Power Capacity [2]	300 W
Program Power [3]	800 W
Sensitivity	(200-2000 Hz) 100.5 dB/W/m
Frequency Range	60 - 5000 Hz
Voice Coil Diameter	64 mm
Voice Coil Material	Aluminium
Voice Coil Former	Kapton™
Voice Coil Winding	11 mm
Depth	9 mm
Magnet Gap Depth	Paper
Cone Material	Die cast aluminium
Basket	Ferrite
Magnet	1.35 T
Flux Density	

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.

THIELE-SMALL PARAMETERS	
Resonance Frequency	53.80 Hz
Mechanical Efficiency Factor (Qms)	9.98
Electrical Efficiency Factor (Qes)	0.261
Total Q (Qts)	0.254
Equivalent Air Volume (Vas)	79.63 Litres
Diaphragm mass ind. airload (Mms)	40.65 grams
Voice Coil Resistance Re	5.35 Ohms
Effective Diagram Area (Sd)	514.7 cm2
Peak Linear Displacement of Diaphragm	± 3.25 mm
(Xmax)	0.215 mm/N
Mechanical Compliance of Suspension (Cms)	16.78 T.m
BL Product (BL)	0.69 mH
V.C. Inductance at 1 kHz (Le)	

* 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	310 mm
Baffle Hole Diameter	280 mm
Number of Mounting Holes	8 with dia. 7 mm
Bolt Circle Diameter	244 mm
Overall Depth	144.7 mm
Net Weight	6.8 kg

The 12L300 loudspeaker is combining high efficiency, wide range and high power handling capability with use of 64 mm aluminium voice coil. It features vented aluminium die cast frame, 169 mm magnet structure and curvilinear cone. 12L300 is suitable for application as