



KEY FEATURES:

97 db 1W / 1m average sensitivity
100 mm high temperature sandwich voice coil
2000 W AES program power
Powerful, vented 220 mm magnet structure
Aluminium demodulating ring for lower distortion and improved heat dissipation
Double silicone spider for improved excursion control and linearity
Water protected cone

Application: High power bass

15 XB 700 is a high power long coil 15 inch bass loudspeaker design to reinforce low frequency range at very high sound power levels. It features a 4" sandwich voice coil, vented aluminium frame with integhrated demodulating ring, 220 mm magnet structure and double spider assembly. It is suitable for tuned reflex or horn loaded enclosures for high level subwoofer applications.





SPECIFICATIONS

15"/385 inch/mm Nominal Diameter 8 Ohm Impedance Minimum Impedance 7.05 Ohm Power Capacity AES ¹ 1000 W Program Power ² 2000 W Sensitivity (100-200 Hz) 95 dB/W/m

37 - 2000 Hz Frequency Range Voice Coil Diameter 100 mm Voice Coil Material Copper Glassfiber Voice Coil Former 25 mm Voice Coil Winding Depth Magnet Gap Depth 14 mm

Cone Material Kevlar paper

Basket Die cast aluminium

Magnet Ferrite 0.98 T Flux Density

THIELE-SMALL PARAMETERS

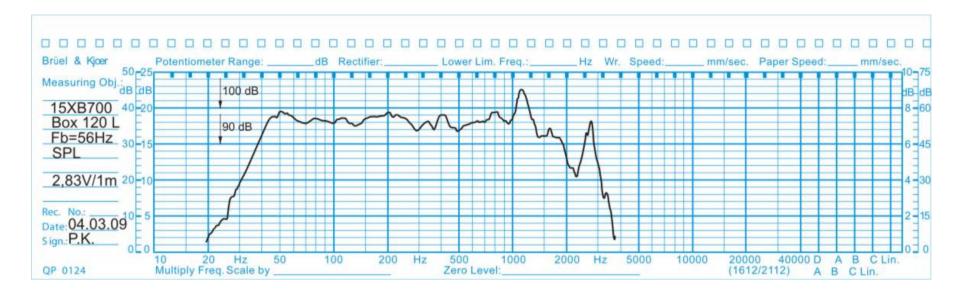
Resonance Frequency	37.2 Hz
Mechanical Efficiency Factor (Qms)	9.2
Electrical Efficiency Factor (Qes)	0.292
Total Q (Qts)	0.283
Equivalent Air Volume (Vas)	111.02 Litres
Diaphragm mass ind. airload (Mms)	158.39 grams
Voice Coil Resistance Re	5.19 Ohms
Effective Diagram Area (Sd)	829.6 cm ²
Peak Linear Displacement of Diaphragm (Xmax)*	±9 mm
Mechanical Compliance of Suspension (Cms)	0.115
BL Product (BL)	25.64 T.m
V.C. Inductance at 1 kHz (Le)	1.9 mH

MOUNTING INFORMATION

1. AES standard. Power is calculated on rated minimum impedance. Measurement is						Overall Diameter	388 mm
in 120 L box enclosure tuned 56 Hz using a 40-400 Hz band limited pink noise test					Baffle Hole Diameter	354 mm	
	signal applied	continuously	for	2	hours.	Number of Mounting Holes	8 with dia. 7mm
	2. Program power is defi	ned as 3db greater than A	AES Power Ca	pacity.		Bolt Circle Diameter	370 / 372 mm
		max is calculated as: (Hv	vc - Hg)/2 +	Hg/4 where	e Hvc is the	Overall Depth Net Weight	179.4 mm 11.95 kg
	voice coil depth and Hg	oice coil depth and Hg is the gap depth.					==:55 Kg







Frequency Response





