
 Entered Data as Follows:

Entered driver DC resistance (Re)	6.80 ohms	
Entered driver resonance frequency (Fs)	31.00 hertz	
Entered driver maximum impedance at Fs	28.00 ohms	
Entered driver F1 frequency	19.00 hertz at	13.80 ohms
Entered driver F2 frequency	47.00 hertz at	13.80 ohms
Calculated Square root of F1*F2	29.90 hertz	
Calculated error factor	3.50 percent	
Compliance calculated by ADDED MASS method		
Entered added mass	12.00 grams	
Entered driver new resonance frequency	27.00 hertz	
Entered driver piston diameter	210.00 mm	
Entered driver magnet gap depth	8.00 mm	
Entered driver voice coil length	8.30 mm	

 Calculated Thiele/Small Parameters:

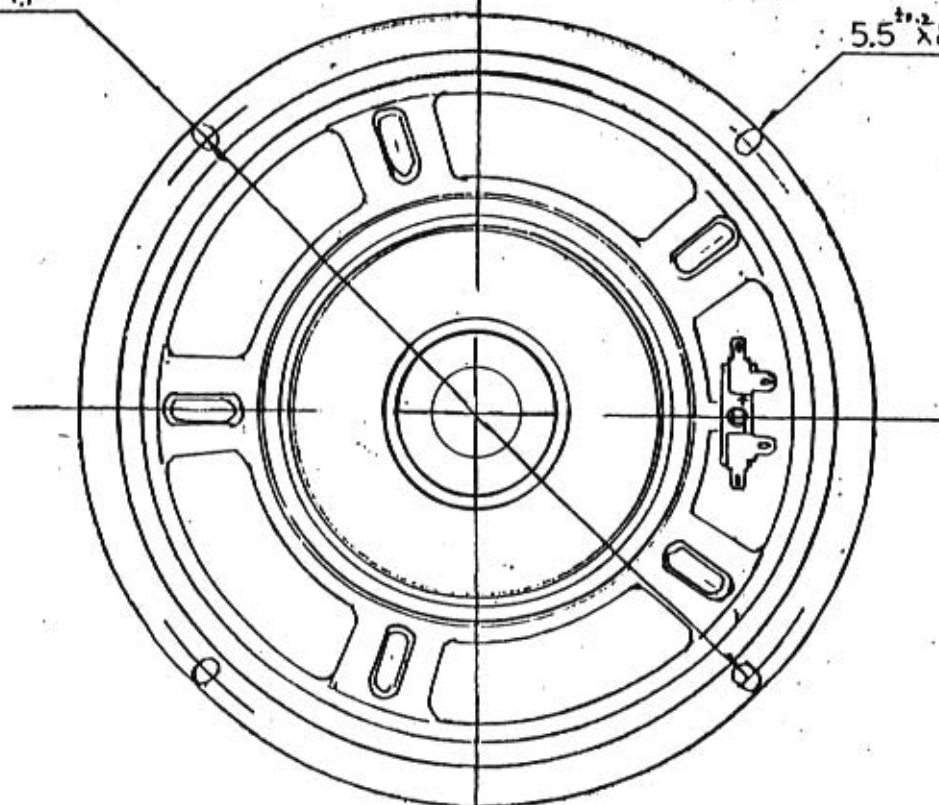
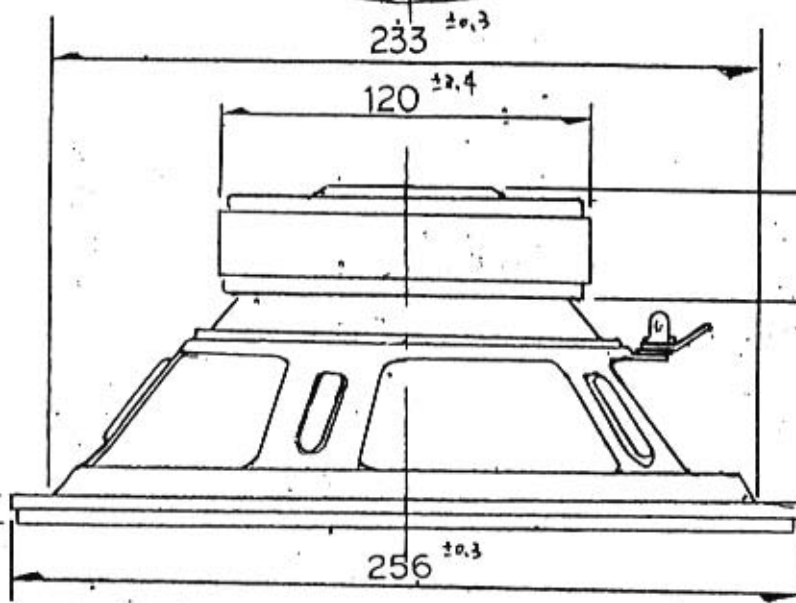
Free Air Resonance (Fs)=SQR(F1*F2)	29.90 hertz	
Qts	0.5262	
Qes	0.6950	
Qms	2.17	
Equivalent acoustic compliance (Vas)	90.05 liters	3.18 cu ft.
Piston area (Sd)	0.0346 square meters	
DC resistance (Re)	6.80 ohms	
Volume displacement (Vd)	34.64 ccm	
Linear displacement (Xmax)	1.00 mm	
Power handling (Pe)	TO BE ENTERED	
Coil Inductance (Le)	TO BE ENTERED	
Reference Efficiency (Ref Eff)	0.33 percent	
Efficiency Bandwidth Product (EBP)	43.02 hertz	

 Other Calculated Data:

Moving Mass of Diaphragm only (Mmd)	49.36 grams
Moving Mass of Diaphragm & Air Load (Mms)	53.01 grams
Mass of Air load on diaphragm (Ma)	3.66 grams
Compliance (Cms)	0.00054 m/N
BL product (BL)	9.87 N/A
Sensitivity (SPL 1w/1m)	87.22 dB

END OF REPORT

244.7

5.5^{+0.2} x 83^{+0.2}233^{±0.3}120^{±2.4}103^{+0.5}38^{+0.4}87^{±0.6}125^{±1.0}256^{±0.3}

MATERIAL

SCALE 2/5

QUANTITY

FINISH

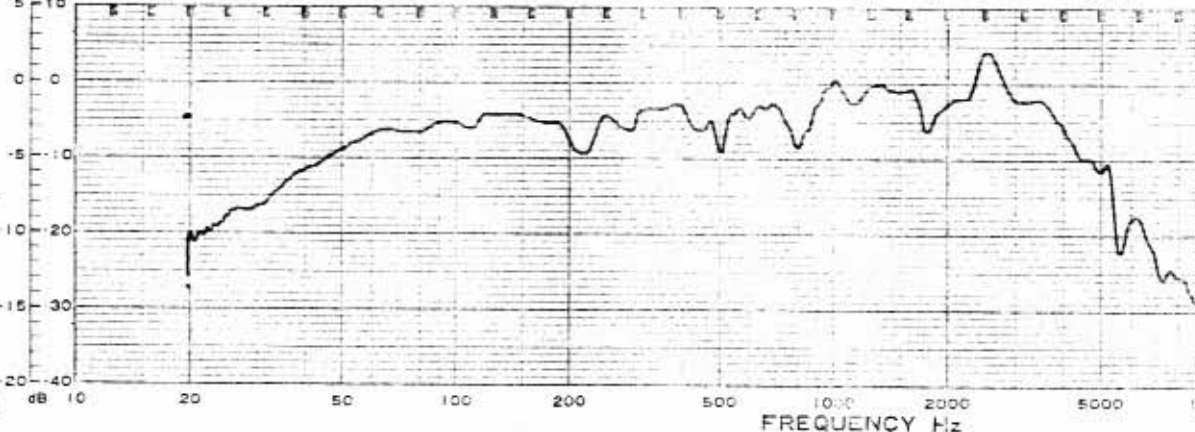
TOLERANCE
±ANGLE
±

TITLE

10" SPEAKER

LEADER

A · B Span range: _____ Ref. 0dB Level: 100 dB Writing Speed: 0.2 sec.



$f_0 = 30$ Hz
IMP = 8 Ω

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