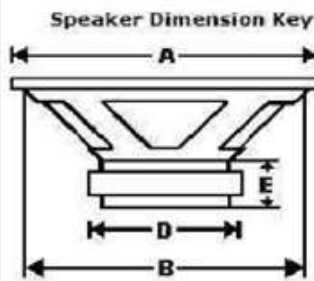


Driver name: Exodus Maelstrom-X Gen II New

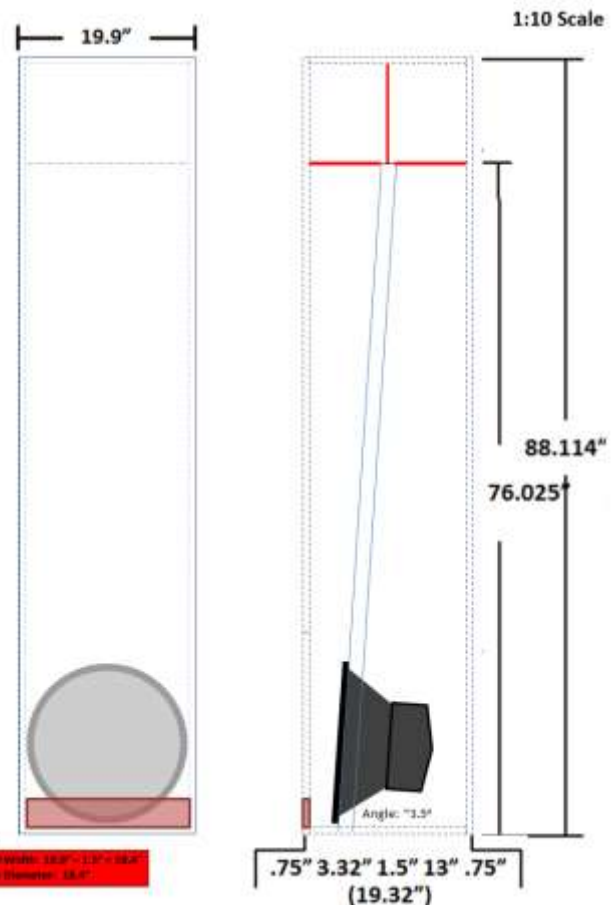
X Cancel Previous Next

Qts: 0.372	Qms: 3.620
Vas: 11.217 ft ³	Qes: 0.415
Fs: 17.37 Hz	SPL: 88.06 dB
Re: 3.800 ohm	Pe: 1800.0 W
Le: 3.50 mH	BL: 22.90000 N/A
Xmax: 33.0 mm	Dd: 15.28 in
Z: 6.000 ohm	Sd: 183.37 in ²



Exodus Audio Maelstrom-X

A: Overall Diameter	18.4" inches
B: Cutout Hole	16.75" inches
C: Mounting Depth	10.5" inches
D: Motor Width	7.7" inches
E: Motor Depth	4" inches
Weight	49lbs



Offset Driver in an Open Ended Transmission Line - Acoustic and Electrical Response 2/17/07

Software: by Martin J. King
e-mail: MJKing57@aol.com

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Driver Thiele / Small Parameters: Maelstrom-18.4inch-00
Driver in Final TL Enclosure

$$\begin{aligned}
 f_d &= 17.4 \text{ Hz} & V_{ad} &= 312.78 \text{ liter} \\
 R_e &= 3.8 \Omega & Q_{ts} &= 0.42 \\
 L_{eq} &= 4 \text{ mH} & Q_{md} &= 3.62 \\
 Bl &= 22.96 \frac{\text{newton}}{\text{amp}} & Q_{td} &= 0.376 \\
 S_d &= 1182 \text{ cm}^2 & x_{max} &= \frac{32}{\sqrt{2}} \text{ mm} = 22.627 \text{ mm}
 \end{aligned}$$

Enclosure Geometry Input width-height-depth = 0.555 m³

width = 19.9 in (Front Baffle Width) width = 0.505 m
height = 88.114 in (Front Baffle Height) height = 2.238 m
depth = 19.32 in (Depth of Enclosure) depth = 0.491 m
dist = 45 in (Front Baffle Distance from Rear Wall)

Hornresp - Input Parameters

File Tools Window Help

Ang: 2.0 x Pi	Eg: 24.49	Rg: 0.10	Fa: -1.44
S1: 1543.00	S2: 1444.02	Pa: 29.00	F12: 0.00
S2: 1444.02	S3: 409.94	Pa: 402.00	F23: 0.00
S3: 409.94	S4: 394.00	Pa: 9.00	F34: 0.00
S4: 0.00	S5: 0.00	L45: 0.00	F45: 0.00
Sd: 1182.00	Cas: 1.57E-04	Med: 509.47	Re: 3.80
Bl: 22.96	Rms: 16.09	Le: 4.00	Th: 1
Vac: 0.00	Ap1: 0.00	Vtc: 0.00	
Lco: 0.00	Lpt: 0.00	Alt: 0.00	

Comment: Maelstrom18.4", x-max=32mm, 150W-1Hz-safe, 4.4m, 12.25-cu-ft, 1-10W/1-3dB/-13Hz

Sd: Driver diaphragm piston area (sq cm) Sd / S2 compression ratio = 0.82:1