



Model : "Roar12"
Designers: martinsson & Circlomanen
from www.diyaudio.com

External Volume = 230,400 L
Non-effective Volume = 6,985 L
Driver cut-out Area = 530,93 cm²
Driver cut-out Volume = 1,832 L

Segment 1: Volume (purple) = 4,308 L
Segment 2: Volume (red) = 48,920 L
Segment 3: Volume (green) = 12,067 L
Segment 4: Volume (turquoise) = 99,633 L

Effective System Volume = 166,76 L
(includes driver baffle cut-out but without
bracing & volume taken by LF-driver)

S1 = 356,00 cm²
S2 = 356,00 cm²
S3 = 356,00 cm²
S4 = 1579,00 cm² (see note)
S5 = 1490,40 cm²

NOTE For higher accuracy in Hornresp
use for S4 = 1490,40 cm²

L12 = 12,10 cm
L23 = 135,51 cm
L34 = 16,46 cm
L45 = 66,85 cm

NOTE no information is given for the air trapped inside
the cone (cone-volume) that needs to be used for the
Vtc/Atc function in Hornresp.
If this info is not available use
at least 3500 cubic centimeter
for a 'traditional' cone for VTC
and use the effective cone
area (Sd) for Atc.

