3.10D4

10”/250 MM DVC 4+4 OHM SUBWOOFER

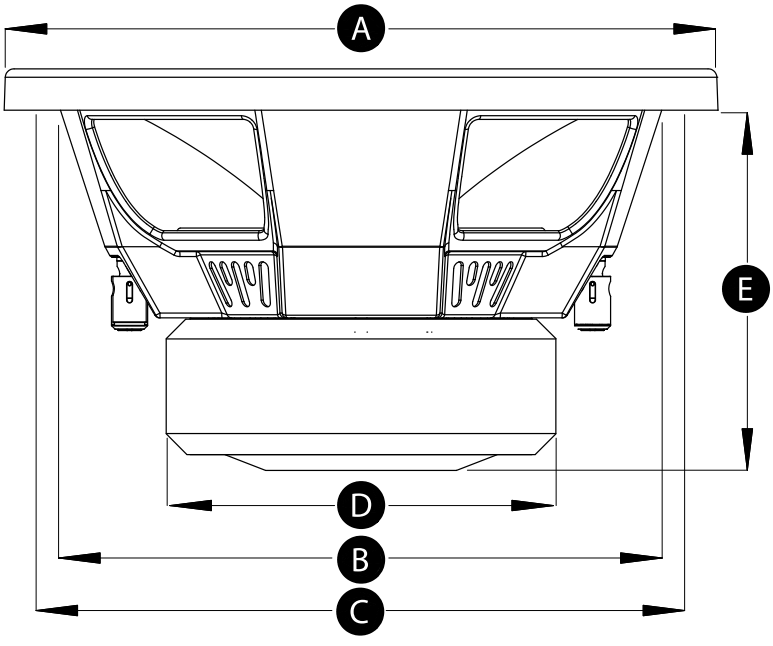
- 4-layers dual voice coil
- Kapton® voice coil support
- High grade Y30 magnet
- Motor made of very low carbon steel
- Optimized motor design
- Long travel rubber surround
- Steel basket
- Internal stiffening ring
- Treated cellulose pulp cone
- Conex® spider
- CNC plates processing

Your ESB subwoofer is a precision loudspeaker which has been designed to produce very high-quality sub-bass frequency performance in your car. For maximixe the performance of your speaker we highly recommend to use a dedicated enclosure. Inside this manual you will find specifications and two recommended enclosures for your speaker: one is a sealed enclosure, the other is a ported design. Both types of enclosures will give you excellent sound quality and low-frequency extension. The sealed enclosure is a better choice if space is extremely tight, but the ported enclosure will produce 3dB more output at the same power if you have the extra space to work with.

T&S parameters specification

Free air resonance (Fs):	37.7 Hz
Electrical “Q” (Qes):	0.65
Mechanical “Q” (Qms):	2.74
Total speaker “Q” (Qts):	0.53
Equivalent Compliance (Vas):	0.999 ft^3 / 28.3 lit.
Linear Excursion (Xmax):	0.551” / 14 mm
Efficiency (1W/1m):	85.5 dB SPL
Effective piston area (Sd):	0.558 in^3 / 359,68 mm^2
DC resistance* (Re):	3.4 + 3.4 Ohm
Nominal impedance:	4+4 Ohm
Power handling (continuous):	590 W
Power handling (peak)	1180 W

*Series and parallel value



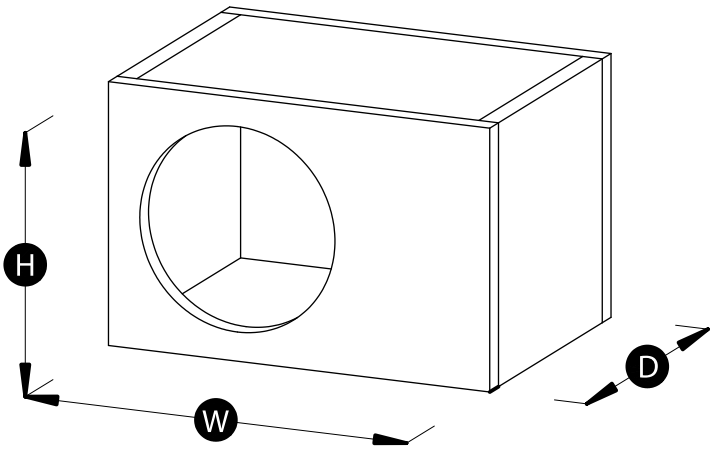
Physical specification

Nominal diameter:	10” / 250 mm
Overall diameter (A)	10.66” / 271 mm
Mounting hole diam. (B)	9.13” / 232 mm
Bolt hole circle (C)	9.84” / 250 mm
Magnet diameter (D)	5.31” / 135 mm
Mounting Depth (E)	5.39” / 137 mm
Driver displacement	0.032 ft^3 / 0.92 l

Recommended Sealed Enclosure

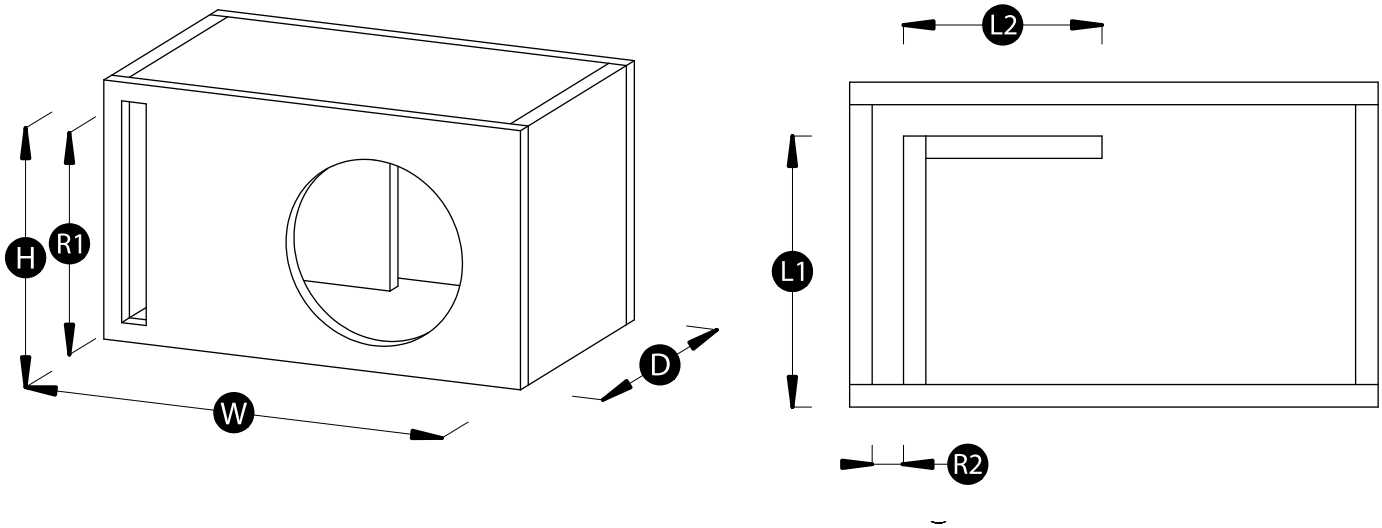
- Volume (include speaker displacement): 0.706 ft^3 / 20 lit.
- External dimension (W,H,D): 16.73×11.81×9.84” / 425×300×250 mm

Note: Dimension are assume with ¾” material (19mm).
This is the suggested thickness. Less thickness may compromise box rigidity with leak bass response.
Add inside the damping material for about 75% of the volume.



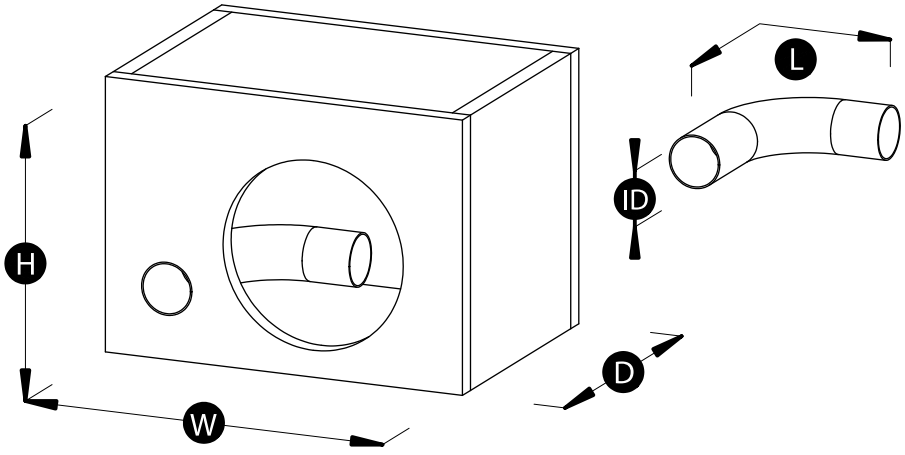
Recommended Ported Enclosure (Reflex option A)

- Volume (include speaker displacement): 0.741 in^3 / 21 lit.
- External dimension (W,H,D): 19.49×11.41×10.23” / 495×290×260 mm
- Reflex port dimension (R1,R2): 10×0.787” / 254×20 mm • Reflex port length (L1,L2): 8.74+6.61” / 222+168 mm



Recommended Ported Enclosure (Reflex option B)

- Volume (include speaker displacement): 0.741 in^3 / 21 lit.
- External dimension (W,H,D): 18.11×11.41×10.23” / 460×290×260 mm
- Reflex tube internal diameter (ID): 3.07” / 78 mm • Reflex tube length (L): 14.48” / 368 mm



Note: Dimension are assume with ¾” material (19mm). This is the suggested thickness. Less thickness may compromise box rigidity with leak bass response.
Add inside the damping material for about 35% of the volume.