

# ARMAC windcatcher - reference build sheet

Clean reference dimensions matching the current corrected baseline.

## Frozen baseline

Internal box: 430 W x 230 D x 190 H.

Apertures: 4 total, one per face, each 150 x 60. Opening top edge 15 below top edge of box.

Funnel: top opening 300 x 150, bottom opening 115 x 57.5, vertical drop 110.

Baffles: 4 local inlet plates. Long-face baffles about 45 degrees down/in. Short-face baffles about 50 degrees down/in.

Clearance result: funnel top plane about 80 below lid; aperture bottom about 75 below lid.

## Cut list

- Panel A x2 - top 300, bottom 115, flat height 119.3, one 12 seam tab, five 4 rivet-hole marks.
- Panel B x2 - top 150, bottom 57.5, flat height 143.8, one 12 seam tab, five 4 rivet-hole marks.
- Long-face baffle x2 - 150 wide x 80 deep plate with 10 top flange and four 4 rivet-hole marks.
- Short-face baffle x2 - 150 wide x 65 deep plate with 10 top flange and four 4 rivet-hole marks.
- Aperture locator x1 reusable stencil - datum line 15 above opening and a centerline through the aperture.

## Print note

Print the full-scale template PDF at Actual size / 100%. Check the 100 mm calibration line before cutting metal.

Funnel templates include seam tabs only. No funnel wall tabs are shown because the funnel top does not reach the box walls.

Calibration line = 100 mm when printed at 100% / Actual size



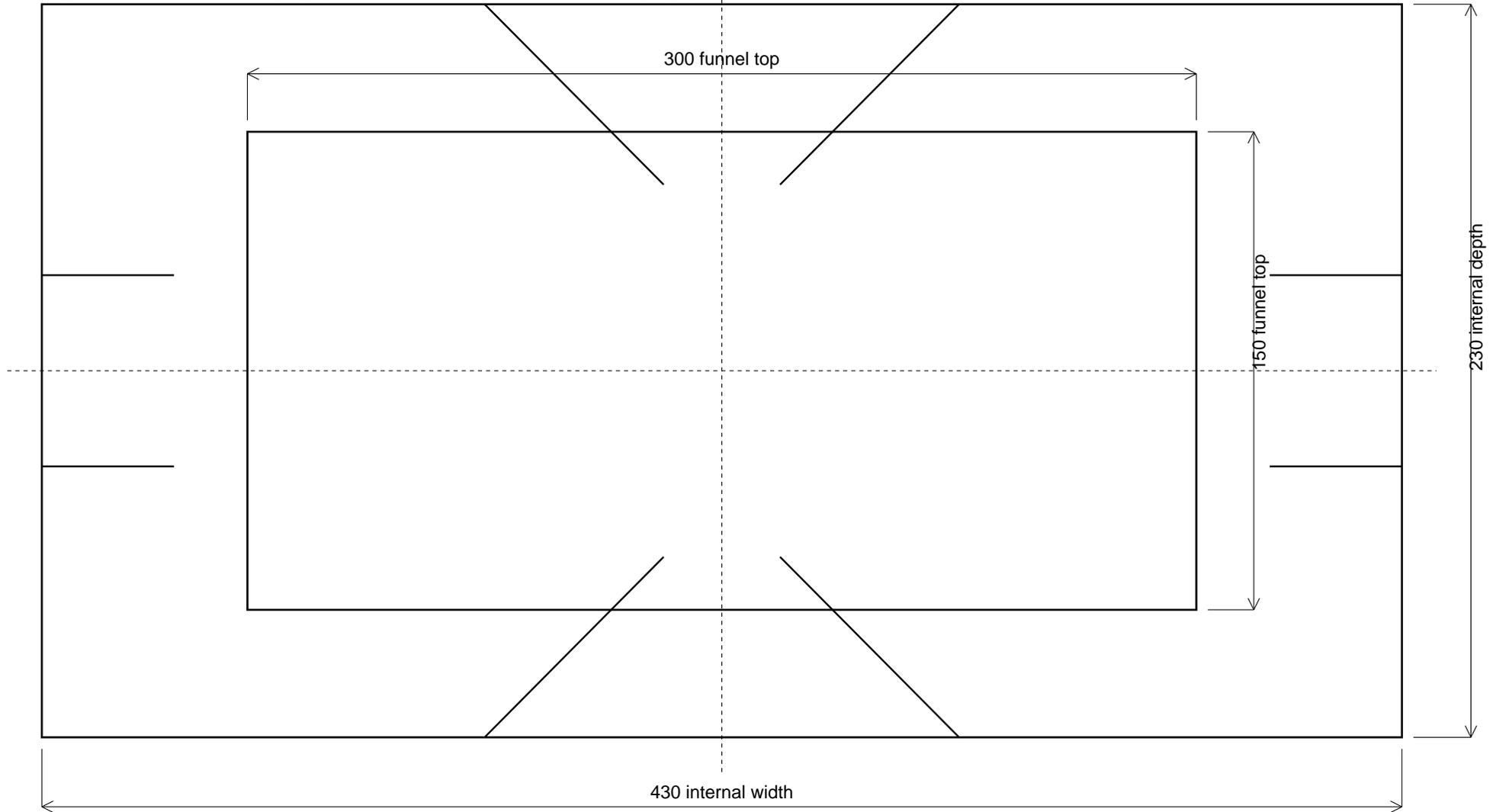
# ARMAC windcatcher - plan view reference

Reference only. Use the separate template PDF for cutting.

Outer rectangle = internal box footprint. Inner rectangle = funnel top opening.

Short line segments at the walls indicate the four local baffles.

Long-face wall to funnel edge gap = 65. Short-face wall to funnel edge gap = 40.



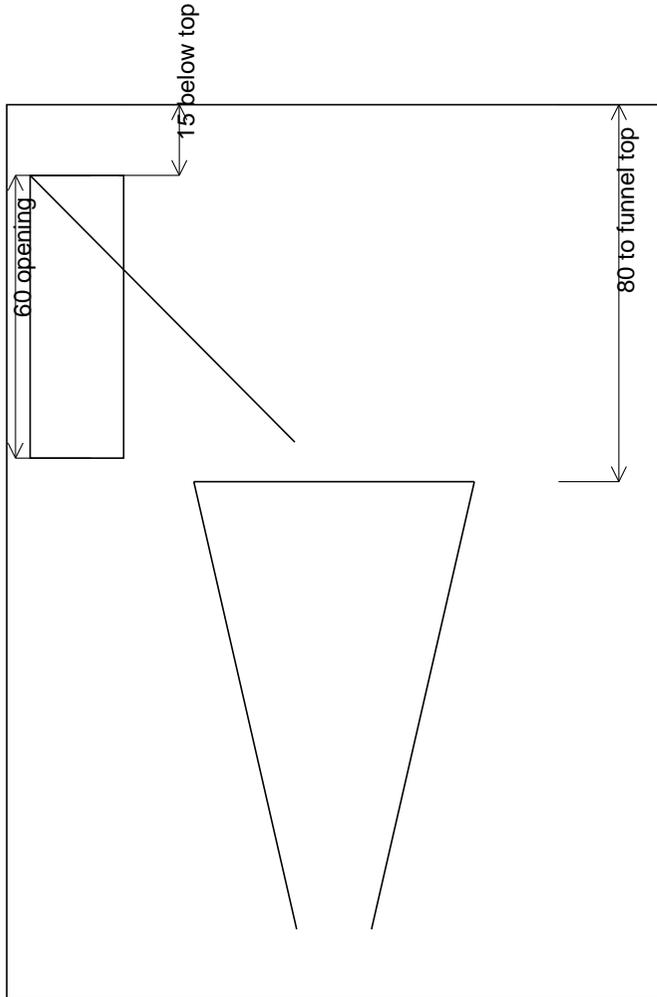
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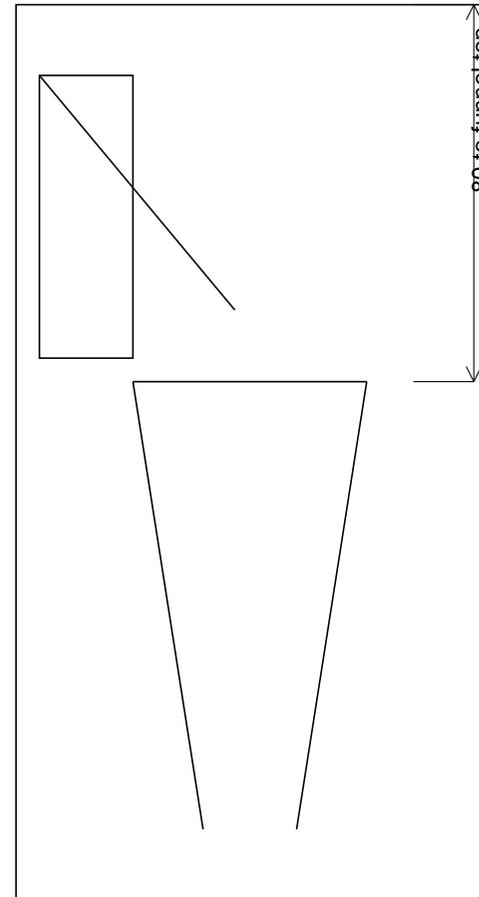
# ARMAC windcatcher - section references

Reference only. These sections show why the local baffles clear the corrected funnel.

### Long-face section



### Short-face section



- Aperture bottom = 75 below lid. Funnel top plane = 80 below lid.
- That leaves about 5 of vertical separation at the most critical point.
- A central cross-baffle would intrude too far into this clearance zone; the four local baffles do not.

Calibration line = 100 mm when printed at 100% / Actual size

