



CRAFTED AUDIO, LLC

NHF3-dsw4

Nearfield high-fidelity drive unit — 3 inch, steel basket, weatherized

SPECIFICATION SHEET
REVISION A

DESCRIPTION

The NHF3-dsw4 is a 3 inch full-range balanced mode radiator. Rather than moving as a piston, the diaphragm is tuned to bend in controlled modes, which holds dispersion wide and even to the top of the band and keeps phase coherent off axis.

Supplied as a bare drive unit for designers building their own enclosure.

CONSTRUCTION

- Steel basket — holds the motor located under sudden impact and handling loads
- Weatherized for damp and outdoor-adjacent installation
- High-temperature neodymium motor with full magnetic shielding
- Flat front, square frame — drops into a 3 inch square aperture
- Fitted as the drive unit in the Crafted FOUR.2

ACOUSTIC CHARACTER

- Predictable and even frequency response
- Coherent phase response
- Ultra-wide dispersion — effective in non-ideal locations
- Consistent voicing across the range, so sizes mix freely

PERFORMANCE

Impedance	4 Ω
Power handling	28 W RMS
Sensitivity	89.0 dB @ 2.83 V / 1 m

THIELE-SMALL

V _{as}	0.694 litre
F _s	135.3 Hz

PHYSICAL

Length	79.4 mm (3.13 in)
Width	79.4 mm (3.13 in)
Depth	39.6 mm (1.56 in)
Depth, hard point	37.6 mm (1.48 in)
Mass	306 g (10.8 oz)

MOUNTING AND CONNECTION

Baffle cut-out	Ø73.5 mm (2.89 in)
Terminal, +	Blade 2.9 × 0.32 mm — .110 series
Terminal, -	Blade 5.2 × 0.5 mm — .205 series

Thiele–Small are the parent BMR56XE values. Geometry, ratings and terminals are the NHF3-dsw4's own.

Crafted Audio, LLC

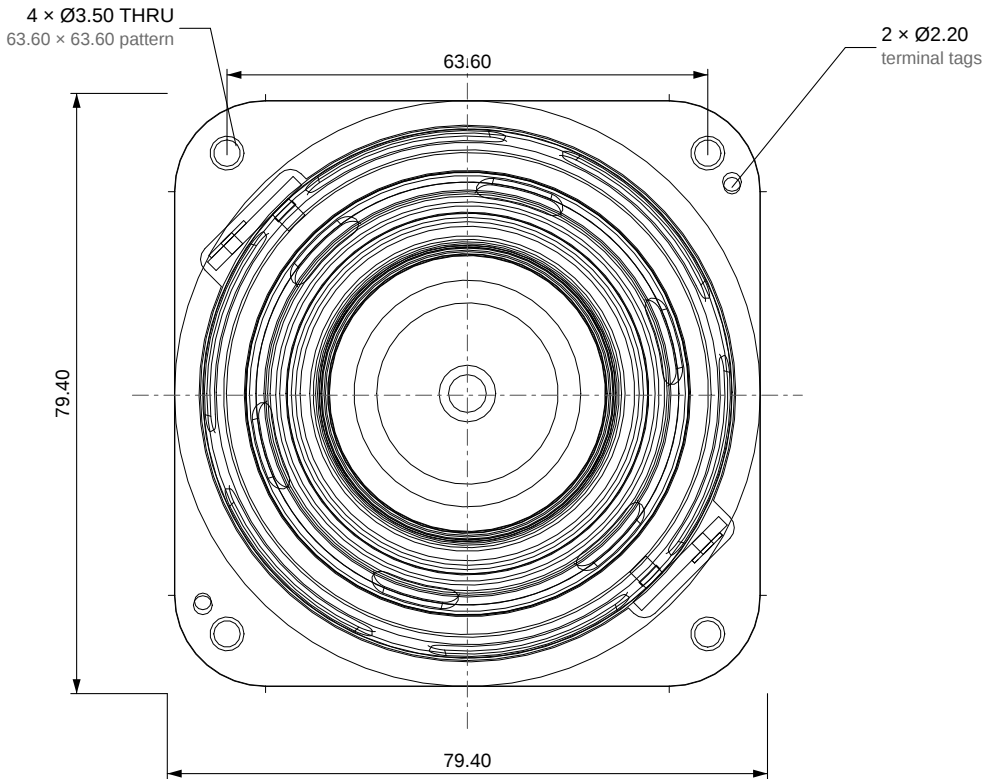
8051 N. Tamiami Tr. STE E6, Sarasota, FL 34243 · craftedav.com

WARRANTY — one year from date of shipment against defects in materials and workmanship. Remedy limited to repair or replacement at Crafted's option. Full terms at craftedav.com/warranty.

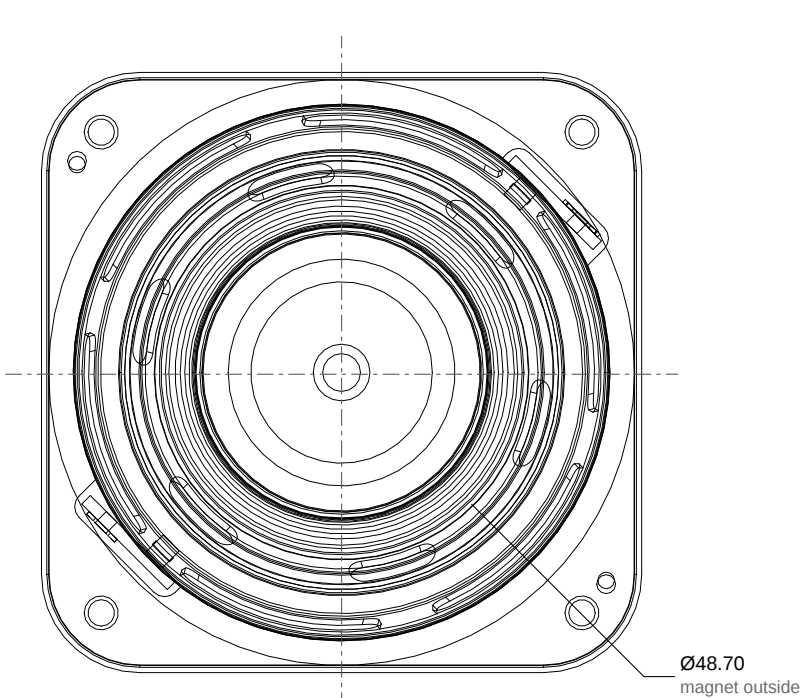
Balanced mode radiator technology is licensed from Tectonic. Product names of other manufacturers are used only to identify the parts described.

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REV A
ISSUED 2026-08-30

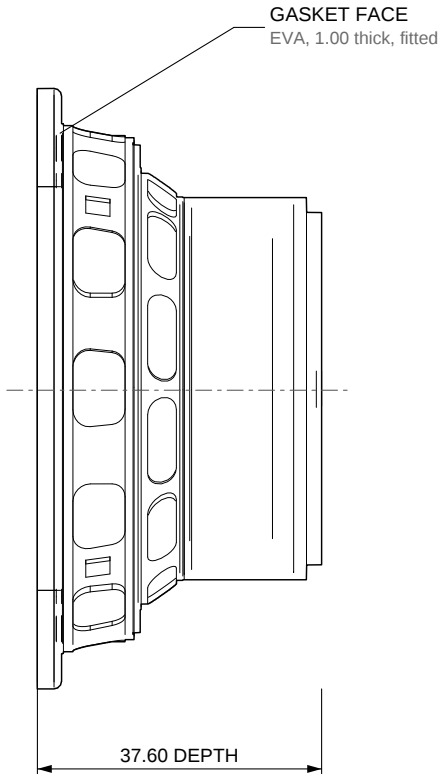
MOUNTING FACE 1:1 — print at 100% on 11 × 17 as a drilling template



REAR



SIDE exterior profile



MECHANICAL

Frame	79.40 × 79.40 square, steel
Depth	37.60 overall
Gasket	EVA, 1.00 thick, fitted to the flange
Magnet	Ø48.70 neodymium, shielded
Mass	306 g

MOUNTING

Fixing	4 × Ø3.50 through the flange
Pattern	63.60 × 63.60 square
Cut-out	Ø73.5
Terminals	2 × Ø2.20 tag holes, one corner pair
Screws	M3 — supplied by others

ELECTRICAL

Impedance	4 Ω
Power	28 W RMS
Sensitivity	89.0 dB @ 2.83 V / 1 m

NOTES

- All dimensions in millimetres. Views are 1:1 — print at 100% on 11 × 17 and the MOUNTING FACE view is a drilling template.
- Steel basket, weatherized — the motor stays located under impact and handling loads.
- The gasket is fitted to the flange. The unit seals against a flat baffle without additional sealant.
- Balanced mode radiator supplied under licence from Tectonic Audio Labs.



NHF3-dsw4 Drive Unit

Steel-basket balanced mode radiator, 3 inch

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PART NUMBER	SCALE	SHEET	ISSUED
NHF3-DSW4	1:1	1/1	2026-08-29

Dimensions and figures are subject to change without notice.