12" Twiggy 12

Woofer

REDCAT

Key features:

- SHALLOW, YET HIGH CONE EXCURSION
- HONEYCOMB CONE
- IDEAL FOR 4X4" WALL SUBWOOFER, CAR UNDERSEAT SUBWOOFERS

Design notes:

The ultimate in shallow depth woofer design! We created this powerhouse of a speaker with limited spaces in mind, allowing you to fit it into the most compact areas while still delivering massive low frequencies. The extreme shallowness of the Twiggy 12 opens up a world of possibilities, allowing designers to craft enclosures that seamlessly integrate into typical 4x4" wall structures, under vehicle seats, beneath sofas, and more.

But don't be fooled by its shallow design ,Äì the cone excursion approaches an impressive 22.4mm peak to peak, ensuring that this woofer will deliver sizable amounts of low frequencies without compromising on performance. The cone is constructed with a honeycomb structure and layers of woven glass fibers, adding not only to its strength but also to the overall rigidity and performance.
Our patented design guarantees that the depth versus cone excursion ratio is the best available in the market, ensuring optimal sound quality in any installation. The unique magnetic structure of the Twiggy 12 delivers a high-strength B field with minimal distortion artifacts, further enhancing the audio experience.
To top it off, this little powerhouse can handle up to 800 watts of peak power amplification, making it the go-to choice for delivering excelent sound experience.

Specifications:

General specs	
Nominal Diameter:	12"
Rated Impedance:	4 ohm

Power handling	
AES Power:	200 watts
Program Power:	400 watts
Peak Power:	800 watts

Voice Coil	
Diameter:	3 in.
Winding wire:	CCAW
Former:	Glass Fiber
Winding height:	26.5 mm

T/S Parameters	
Resonant frequency:	30 Hz
Re:	3.6 ohm
Qes:	1.16
Qms:	16
Qts:	1.08
Vas:	59.8 liters
Sd:	506.7 cm2
Sensitivity:	84 dB
Mms:	160.7 grams
Bl:	9.9
Le:	1 mH

Design details	
Surround Material:	Rubber
Cone material:	GF Honey-
Spider:	Nomex
Plate thickness:	8 mm
Peak to peak linear cone displacement	22.4 mm
Overall diameter:	323 mm
Bolt circle diameter:	305 mm
Baffle cutout dia.:	293.5 mm
Number of mounting holes:	8
Depth (flange to rear):	73.7 mm
Net weight:	5.1kg

Ordering codes:

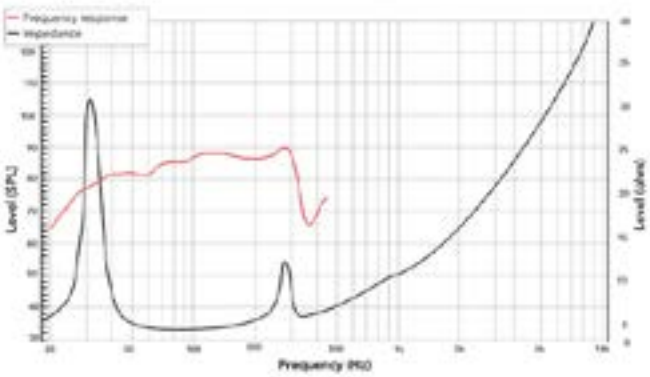
Twiggy 12-X4 ohm-470A

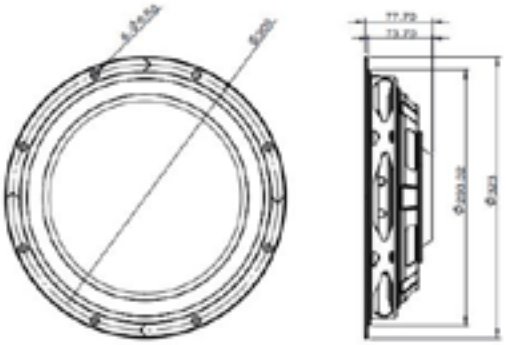
Recone kits:

RCTwiggy 12X-470A

In many cases REDCATT produces 4 ohms, 8 ohms and 16 ohms versions. Indicate what impedance do you need in your request.

Frequency response & Impedance



Frequency response measured on IAC baffle

2D drawing