

1.8" 180FCD-1

Compression Driver



Key features:

- DRIVER DELIVERING HIGH SPL AT AFFORDABLE COST
- ROBUST, HIGH BL MAGNETIC CIRCUIT

Design notes:

The 180FCD compression driver is a very high-performance, high-frequency device ideal for professional loudspeaker systems, such as larger 2-way systems.

Diaphragm Assembly

The driver sports a 44mm polyimide diaphragm formed as a single piece with the suspension. The voice coil is attached to the

dome with our state of the art adhesives and precise bonding equipment.

The acoustic output exits through a circumferential phase plug and a 1.0-inch throat aperture. Nominal sensitivity is 109.5 dB 1watt / 1 meter.

REDCATT uses state of the art adhesives in all assembly steps. Our voice coil to dome

bonding is a unique process, developed to greatly improve the power handling capabilities. REDCATT unique and precise adhesives dispensing, combined with our in-house developed dome treatments are further improving the long term reliability of this product.

Specifications:

General specs

Nominal Diameter: **1.8 "**

Rated Impedance: **8 ohm**

Power handling

AES Power: **55 watts**

Program Power: **110 watts**

Peak Power: **220 watts**

Voice Coil

Diameter: **45.7 mm**

Winding wire: **CCAR**

Former: **kapton**

Winding height: **2.5 mm**

T/S Parameters

Resonant frequency: **1100 Hz**

Re: **5.8 ohm**

Sensitivity: **109.5 dB**

Design details

Dome Material: **PEN**

Surround material: **N/A**

Magnet material: **Ferrite**

Overall diameter: **120 mm**

Depth: **69 mm**

Net weight: **2.2 kg**

Ordering codes:

CD-1.8-001-8R-B2-C0001

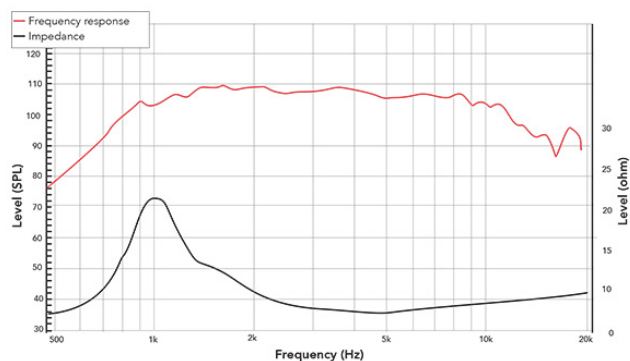
Legacy code: **180FCDPX8-330**

Recone kits:

RC180FCDPX8-330

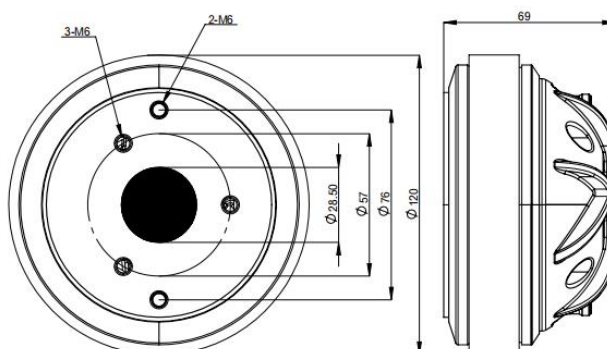
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



info@redcatt.net

www.redcatt.net