

Ordering code: 18FIND-036

Ferrite Low Frequency Woofer

Cont. Power	Sens.	Fs	Freq. Range	VC Dia.	VC Wire	Cone/Surround/Dome	Magnet type
2000 watts	98 dB	34 Hz	30 Hz - 2.5 kHz	4" 1in/1out	Copper	Paper w. GF/ Fabric	Ferrite



General Specifications

Nominal Diameter:	460 mm (18 in.)
Rated Impedance:	8 Ohm
Power Handling:	
AES Power:	1000 Watts
Power Compression @-10dB	0.7dB
Power Compression @-10dB	1.5dB
Power Compression @Max Power	2.2dB
Maximum Recommended Xover Freq.:	500Hz
Recommended Enclosure Volume:	150 - 350 Liters
Cone Design:	Strght Gmtry, Redcatt Cell.
Fs	34 Hz
Re	5.17 Ohm
Sd	1257 cm ² (195 in. ²)
Qms	8.9
Qes	0.45
Qts	0.43
Vas	235 Liters
Mms	203 g
BL product (force factor)	22.5 Tm
Peak to peak displacement (mm)	25 mm
Le (mH @1kHz)	1.6
Overall diameter	467.9 mm (18.42 in.)
No. Of mounting holes	8
Bolt circle diameter	442 mm (17.4 in.)
Front mount baffle cutout dia.	428mm (16.85 in.)nominal
Rear mount baffle cutout diameter	430 mm (16.92 in.)nominal
Total depth	204 mm (8.03 in.)
Flange and gasket thickness	22 mm (0.86 in.)
Net weight	13.3 kg (29.36 lbs.)
Shipping weight	14.9 kg (32.8 lbs.)
Packing Dimensions	485x 485x 260 mm

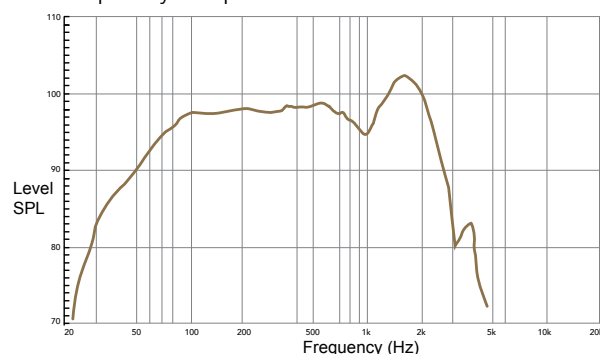
The 18FIND is a high efficiency, (98 dB 1watt / 1 meter) 18-inch woofer with incredibly linear frequency response characteristics, high power handling capability while generating low harmonic distortion artifacts. The 18FIND uses a lightweight glass fiber loaded cone assembly along with a high excursion triple roll constant geometry surround. This combination provides remarkable strength, high efficiency and a peak to peak maximum excursion of 50mm (2in).

Power Handling

At the core of the 18FIND is it's voice coil technology featuring a composite Polyimide former material capable of withstanding peak temperatures in excess of 250C, well beyond the thermal requirements of modern professional audio systems.

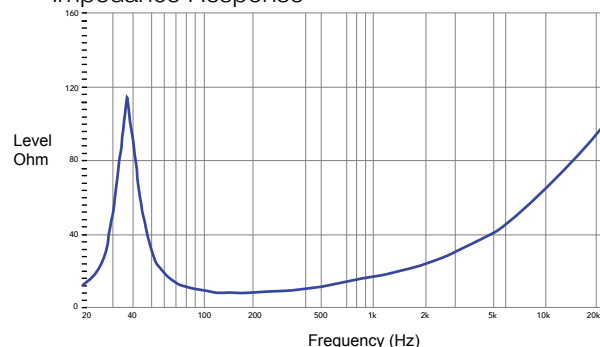
REDCATT has implemented a silicone spider design to ensure long term shape memory, consistency and diminish anomalies associated with spider deterioration.

Frequency Response



Frequency response measurement with transducer mounted in a 180 liter vented enclosure tuned to 35Hz

Impedance Response



8xM6 screws

