



# M1580

## Product description

Extended low frequency transducer for bass reflex and band pass system.

## Main features:

- aluminum die-cast frame with improved voice coil ventilation ;
- removable self-centering ferrite magnet system with ventilated gap;
- inside-outside copper voice coil;
- double silicon spider.



## Specifications

Nominal diameter, inches (mm)	15(380)
Nominal impedance, Ohm	4/8
Rated power (AES), W *	800
Frequency range, Hz	35-1000
Sensitivity (1W / 1m), dB	95,5
Minimum impedance, Ohm	7,6@170Hz
Bl product, Tm	22,8
Voice coil inductance, mH (1kHz)	2,2
Moving Mass Mms, g	127

## Voice coil

Diameter, inches (mm)	4(99)
Winding material	copper
Former material	glass fiber
Winding depth, mm	22

## Magnetic system

Magnetic gap depth, mm	9
Flux density, T	1,15

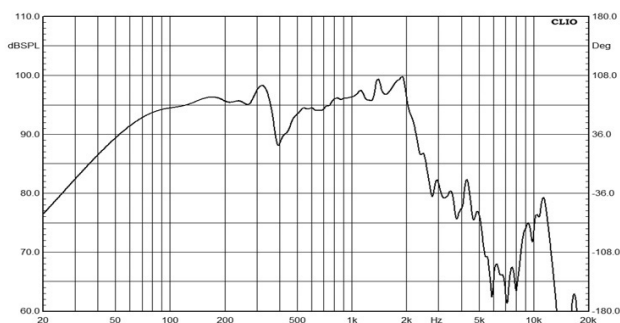
## Thiele-Small parameters \*\*

Fs, Hz	38
Vas, l	125
Qts	0,35
Qes	0,36
Qms	13,9
Re, Ohm	6,1
Sd cm <sup>2</sup>	800
Xmax, mm ***	8,5
η, %	1,9

## Mounting information

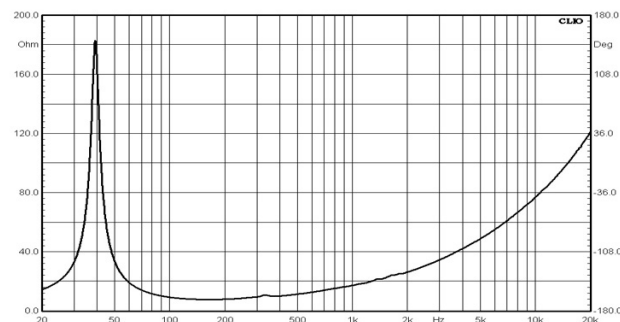
Overall diameter, mm	389
Baffle cutout diameter, mm	355
Bolt hole diameter, mm	7
Bolt circle diameter, mm	372
Height, mm	140
Net weight, kg	10,5

## FREQUENCY RESPONSE

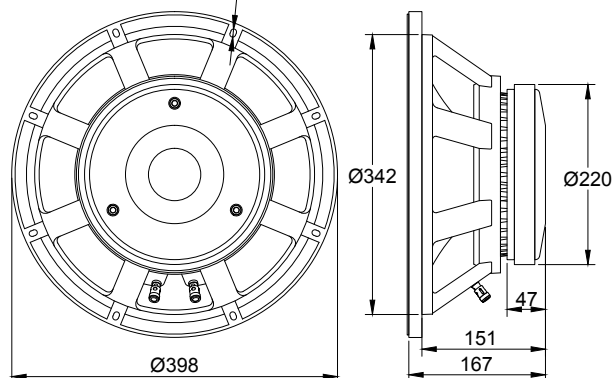


Frequency response measured in a 1200 litre sealed box @ 2.83 v - 1m, 2 π

## FREE AIR IMPEDANCE CURVE



8x Ø7x10 Holes on Ø371



\* Rated power is determined according to AES2 - 1984 (r 2003) standard.

\*\* TS parameters are measured after a preconditioning power test.

\*\*\* Xmax is calculated as:  $(H_{vc} - H_g) / 2 + H_g / 4$  where  $H_{vc}$  is the voice coil winding depth and  $H_g$  is the gap depth.

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