

Product description

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

Main features:

- aluminum die-cast frame;
- removable self-centering ferrite magnet system;
- inside-outside copper voice coil;
- ventilated voice coil gap;
- glass fiber reinforced cone;
- double silicon spider.



Specifications

Nominal diameter, inches (mm)	18(460)
Nominal impedance, Ohm	4/8
Rated power (AES), W *	800
Frequency range, Hz	30-1000
Sensitivity (1W / 1m), dB	97
Minimum impedance, Ohm	6,7@140Hz
Bl product, Tm	27
Voice coil inductance, mH (1kHz)	1,4
Moving Mass Mms, g	208

Voice coil

Diameter, inches (mm)	4(100)
Winding material	copper
Former material	glass fibre
Winding depth, mm	23

Magnetic system

Magnetic gap depth, mm	9
Flux density, T	1,07

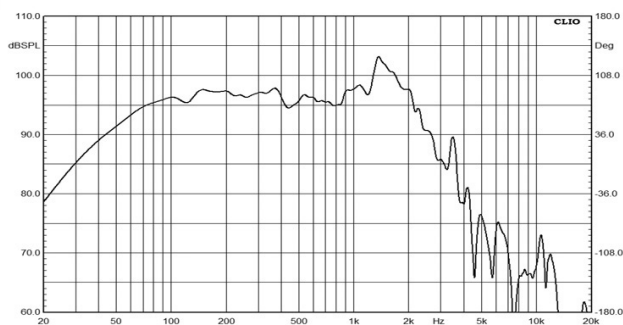
Thiele-Small parameters **

Fs, Hz	39
Vas, l	157
Qts	0,38
Qes	0,41
Qms	5,2
Re, Ohm	6
Sd cm ²	1134
Xmax, mm ***	9
η, %	2,1

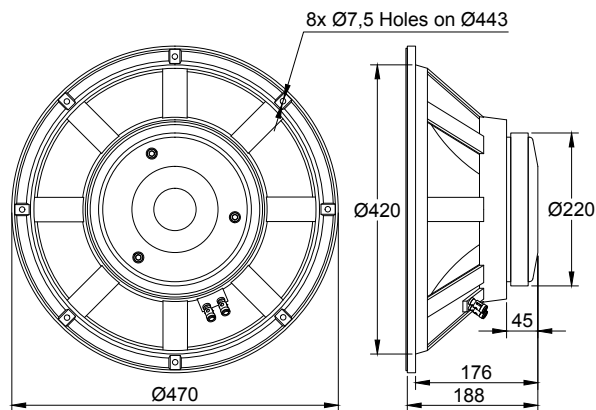
Mounting information

Overall diameter, mm	470
Baffle cutout diameter, mm	412
Bolt hole diameter, mm	7
Bolt circle diameter, mm	438
Height, mm	190
Net weight, kg	10,9

FREQUENCY RESPONSE



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



* 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.