

## 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;
- rubber surround suspension system;
- double silicon spider.



## Specifications

|                                  |         |
|----------------------------------|---------|
| Nominal diameter, inches (mm)    | 12(300) |
| Nominal impedance, Ohm           | 4/8     |
| Rated power (AES), W *           | 500     |
| Frequency range, Hz              | 35-1000 |
| Sensitivity (1W / 1m), dB        | 91      |
| Minimum impedance, Ohm           | 7@160Hz |
| Bl product, Tm                   | 21,2    |
| Voice coil inductance, mH (1kHz) | 2,3     |
| Moving Mass Mms, g               | 125,9   |

## Voice coil

|                       |             |
|-----------------------|-------------|
| Diameter, inches (mm) | 3(76)       |
| Winding material      | copper      |
| Former material       | glass fiber |
| Winding depth, mm     | 29          |

## Magnetic system

|                        |      |
|------------------------|------|
| Magnetic gap depth, mm | 12   |
| Flux density, T        | 1,15 |

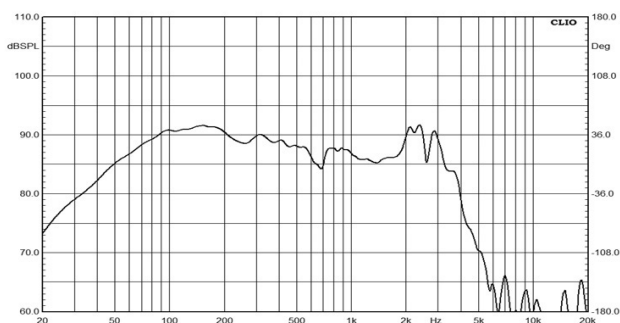
## Thiele-Small parameters \*\*

|                    |      |
|--------------------|------|
| Fs, Hz             | 32,6 |
| Vas, l             | 63   |
| Qts                | 0,33 |
| Qes                | 0,35 |
| Qms                | 4,6  |
| Re, Ohm            | 6,13 |
| Sd cm <sup>2</sup> | 491  |
| Xmax, mm ***       | 11,5 |
| η, %               | 0,7  |

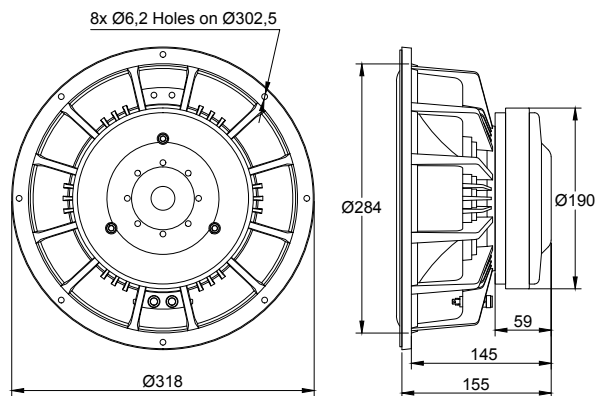
## Mounting information

|                            |       |
|----------------------------|-------|
| Overall diameter, mm       | 318   |
| Baffle cutout diameter, mm | 286   |
| Bolt hole diameter, mm     | 7     |
| Bolt circle diameter, mm   | 302,5 |
| Height, mm                 | 164   |
| Net weight, kg             | 9,6   |

## 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.