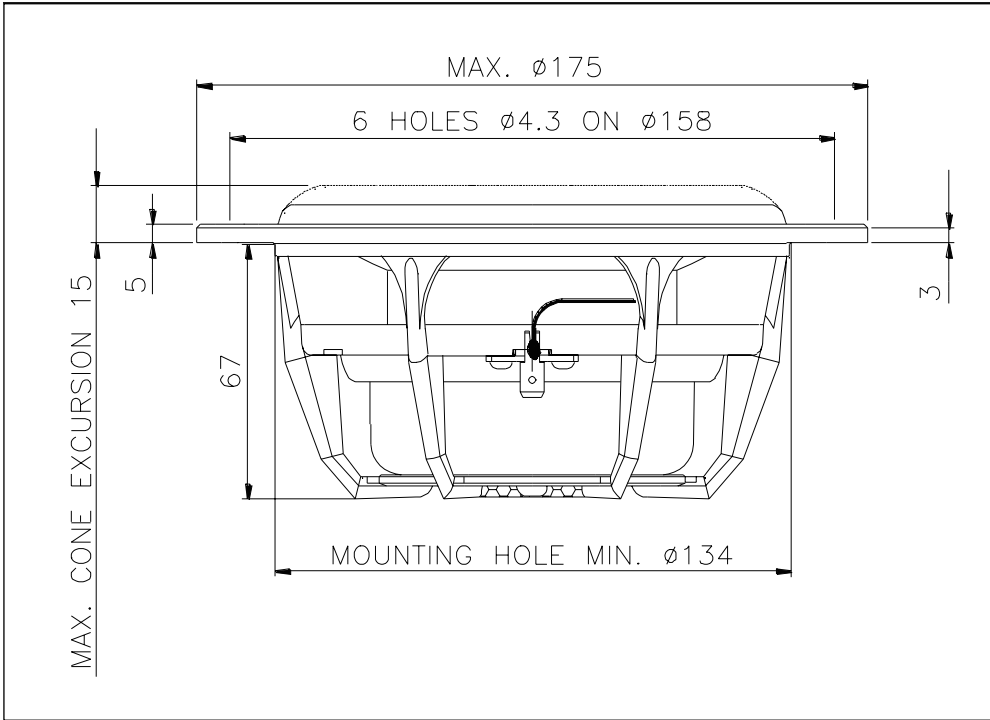


# Esotec MW 162



## Thiele Small Parameters

|                              |      |                     |
|------------------------------|------|---------------------|
| Nominal impedance            | Znom | 4 $\Omega$          |
| DC resistance                | Re   | 3.1 $\Omega$        |
| Voice coil inductance        | Le   | 0.22 mH             |
| Resonance frequency          | fs   | 55 Hz               |
| Mechanical Q factor          | Qms  | 2.2                 |
| Electrical Q factor          | Qes  | 0.57                |
| Total Q factor               | Qts  | 0.45                |
| Mechanical resistance        | Rms  | 2.7 kg/s            |
| Moving mass (incl. air load) | Mms  | 17.4 g              |
| Suspension compliance        | Cms  | 0.48 mm/N           |
| Effective dome diameter      | d    | 124 mm              |
| Effective piston area        | Sd   | 120 cm <sup>2</sup> |
| Equivalent volume            | Vas  | 9.8 l               |
| Force factor                 | BL   | 5.7 Tm              |
| Recommended frequency range  |      | 40-4000 Hz          |

## Magnet and Voice Coil Properties

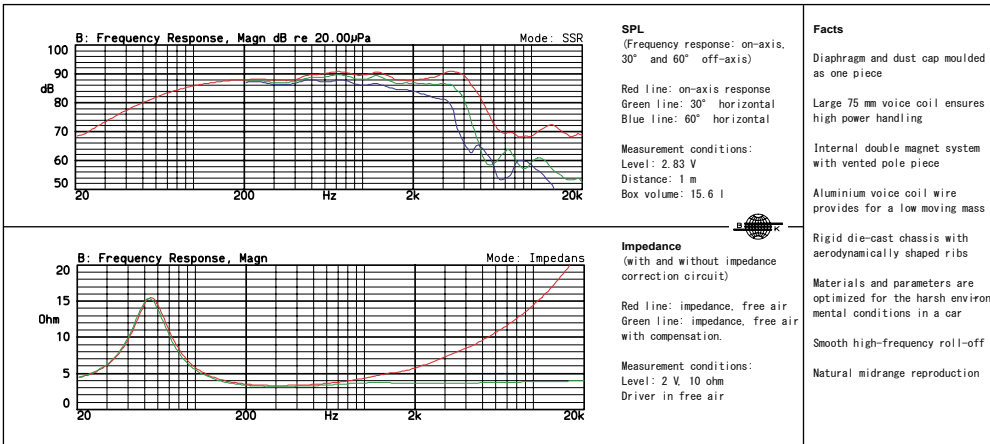
|                                |    |         |
|--------------------------------|----|---------|
| Voice coil diameter            | dc | 75 mm   |
| Voice coil height              | hc | 10.9 mm |
| Linear excursion, peak to peak |    | 6 mm    |
| Max. excursion, peak to peak   |    | 17 mm   |

## Power Handling

|                       |  |        |
|-----------------------|--|--------|
| Nominal long term IEC |  | 120 W  |
| Transient (10 ms)     |  | 1000 W |

## Mechanical Properties

|                   |  |                                |
|-------------------|--|--------------------------------|
| Net weight        |  | 1.2 kg                         |
| Overall dimension |  | $\varnothing 175 \times 77$ mm |



## Impedance compensation circuit

