

Bernbrunner Str. 54  
74831 Gundelsheim-Höchstberg  
Germany

TEL: +49 (0)7136/9509-0  
FAX: +49 (0)7136/9509-30  
info@ehmann-partner.de



## Lautsprecherdatenblatt / Speaker Specifications

Bezeichnung / Denomination: Eclipse 3000 MW 165

Artikel-Nr. / Article-No.: 970 0089 00

Kunde / Customer: Dego

Bemerkung / Note:



|                                                 |          |              |
|-------------------------------------------------|----------|--------------|
| <b>Gleichstromwiderstand /</b><br>DC resistance | $R_{dc}$ | 2,9 $\Omega$ |
| <b>Nennimpedanz /</b><br>Nominal impedance      | $Z_N$    | 3,5 $\Omega$ |
| <b>Resonanzfrequenz</b><br>Resonance frequency  | $f_s$    | 62 HZ        |

|                                                 |       |
|-------------------------------------------------|-------|
| <b>Spulendurchmesser</b><br>Voice coil diameter | 37 mm |
| <b>Spulenbreite /</b><br>Voice coil height      | 12 mm |

|                                                  |          |      |
|--------------------------------------------------|----------|------|
| <b>Mechanische Güte /</b><br>Mechanical Q factor | $Q_{ms}$ | 9,07 |
| <b>Elektrische Güte /</b><br>Electrical Q factor | $Q_{es}$ | 0,55 |
| <b>Gesamtgüte</b><br>Total Q factor              | $Q_{ts}$ | 0,52 |

|                                                 |       |        |
|-------------------------------------------------|-------|--------|
| <b>Dynamisch bewegte Masse /</b><br>Moving mass | $m_d$ | 17,8 g |
|-------------------------------------------------|-------|--------|

|                                                           |       |                     |
|-----------------------------------------------------------|-------|---------------------|
| <b>Effektive Membranfläche /</b><br>Effective piston area | $S_m$ | 136 cm <sup>2</sup> |
|-----------------------------------------------------------|-------|---------------------|

|                                                           |          |           |
|-----------------------------------------------------------|----------|-----------|
| <b>Mechanischer Widerstand /</b><br>Mechanical resistance | $R_{ms}$ | 0,77 Kg/s |
|-----------------------------------------------------------|----------|-----------|

|                                       |          |           |
|---------------------------------------|----------|-----------|
| <b>Nachgiebigkeit /</b><br>Compliance | $C_{ms}$ | 0,36 mm/N |
|---------------------------------------|----------|-----------|

|                                         |      |         |
|-----------------------------------------|------|---------|
| <b>Antriebsfaktor /</b><br>Force factor | $BL$ | 6,06 Tm |
|-----------------------------------------|------|---------|

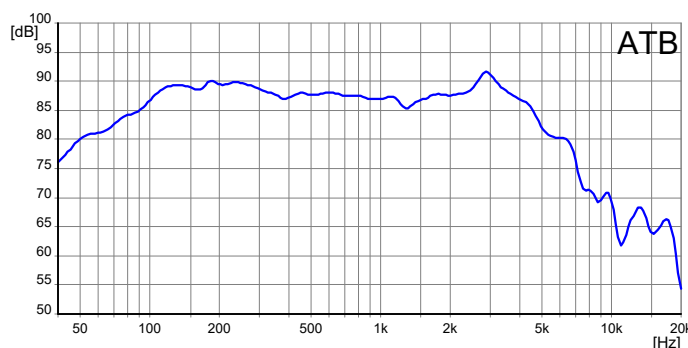
|                                                     |          |                      |
|-----------------------------------------------------|----------|----------------------|
| <b>Äquivalentvolumen /</b><br>Equivalent air volume | $V_{as}$ | 9,46 dm <sup>3</sup> |
|-----------------------------------------------------|----------|----------------------|

|                                     |        |       |
|-------------------------------------|--------|-------|
| <b>Wirkungsgrad /</b><br>Efficiency | $\eta$ | 0,4 % |
|-------------------------------------|--------|-------|

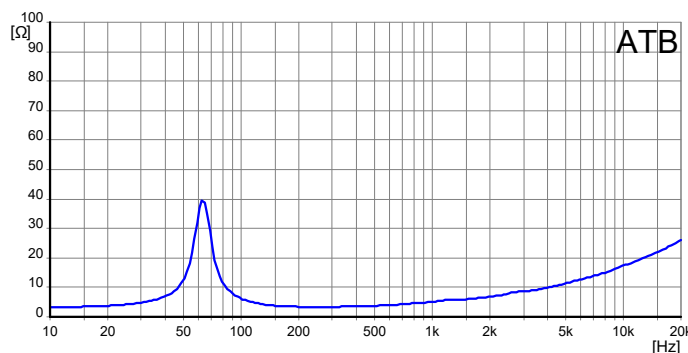
|                  |       |
|------------------|-------|
| <b>SPL 1W/1m</b> | 88 dB |
|------------------|-------|

|                     |         |
|---------------------|---------|
| <b>SPL 2,83V/1m</b> | 92,4 dB |
|---------------------|---------|

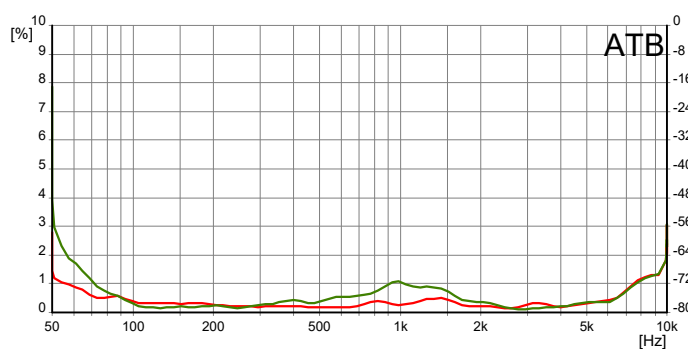
**Frequenzgang / Frequency response** [1W/1m]



**Impedanzverlauf / Impedance**



**Klirrfaktoren / Harmonic Distortion** [1w / 1m]



rot / red: K2

grün / green: K3