



## Woofer ARN-165-61/4

Woofer with shielded magnetic circuit for use mainly in loudspeaker systems which are expected to be operated near TV sets or monitors.

### ACOUSTICAL DATA

|   |           |     |
|---|-----------|-----|
| Rated noise power <sup>1)</sup>         | 100       | W   |
| Short term maximum power <sup>2)</sup>  | 300       | W   |
| Rated impedance                         | 4         | Ohm |
| Resonance frequency $F_s$ <sup>4)</sup> | 44.000    | Hz  |
| Rated frequency range                   | 40 - 4000 | Hz  |
| Sensitivity <sup>3)</sup>               | 86        | dB  |

### TS PARAMETERS

|   |          |                 |
|---|----------|-----------------|
| Acquired by MLSSA                                   | -        |                 |
| Effective piston area $S_d$                         | 134.780  | cm <sup>2</sup> |
| DC resistance of voice coil $R_e$                   | 3.397    | Ohm             |
| Mechanical Q factor $Q_{ms}$                        | 3.358    |                 |
| Electrical Q factor $Q_{es}$                        | 0.557    |                 |
| Total Q factor $Q_{ts}$                             | 0.478    |                 |
| Voice coil inductance $L_e$                         | 0.318    |                 |
| Equivalent volume $V_{as}$                          | 34.559   | l               |
| Moving mass (including air load) $M_{ms}$           | 10.477   | g               |
| Suspension compliance $C_{ms}$                      | 1354.490 | uM/Newton       |
| Force factor $Bl$                                   | 4.119    | Tm              |
| Maximum linear displacement $X_{max}$ <sup>5)</sup> | 6.5      | mm              |

### MECHANICAL DATA

|                                       |           |    |
|---------------------------------------|-----------|----|
| Voice coil carrier material           | aluminium |    |
| Voice coil diameter                   | 25.4      | mm |
| Winding height of voice coil          | 13        | mm |
| Yoke diameter                         | 25        | mm |
| Air gap height                        | 5         | mm |
| Magnet external diameter              | 72        | mm |
| Magnet internal diameter              | 32        | mm |
| Magnet height                         | 15        | mm |
| Compensating magnet external diameter | 72        | mm |
| Compensating magnet internal diameter | 32        | mm |
| Compensating magnet height            | 10        | mm |
| Weight                                | 1         | kg |

1) DIN IEC 268-5, closed box 15 dm<sup>3</sup>

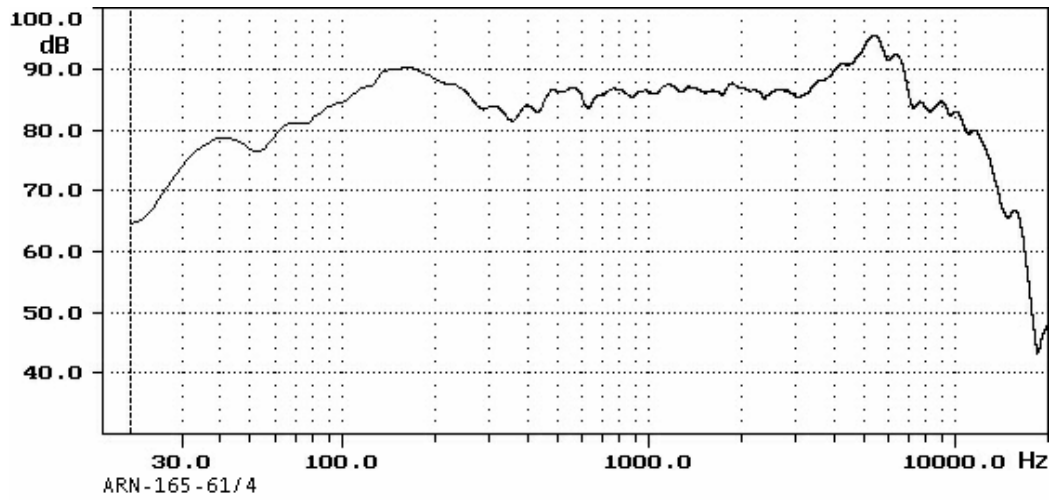
2) CSN IEC 268-5, closed box 15 dm<sup>3</sup>

3) CSN IEC 268-5, standard baffle, 1W, 1 m, 50 - 4000 Hz

4) ±10%

5) Peak - peak

Frequency response



Drawing

