



## Woofer ARN-130-60/4

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

### ACOUSTICAL DATA

|   |            |     |
|---|------------|-----|
| Rated noise power <sup>1)</sup>         | 20         | W   |
| Short term maximum power <sup>2)</sup>  | 50         | W   |
| Rated impedance                         | 4          | Ohm |
| Resonance frequency $F_s$ <sup>4)</sup> | 60.000     | Hz  |
| Rated frequency range                   | 50 - 15000 | Hz  |
| Sensitivity <sup>3)</sup>               | 87         | dB  |

### TS PARAMETERS

|   |          |                 |
|---|----------|-----------------|
| Acquired by MLSSA                                   | D-0-10   |                 |
| Effective piston area $S_d$                         | 72.380   | cm <sup>2</sup> |
| DC resistance of voice coil $R_e$                   | 3.481    | Ohm             |
| Mechanical Q factor $Q_{ms}$                        | 1.924    |                 |
| Electrical Q factor $Q_{es}$                        | 0.727    |                 |
| Total Q factor $Q_{ts}$                             | 0.528    |                 |
| Voice coil inductance $L_e$                         | 0.128    |                 |
| Equivalent volume $V_{as}$                          | 12.444   | l               |
| Moving mass (including air load) $M_{ms}$           | 5.746    | g               |
| Suspension compliance $C_{ms}$                      | 1691.189 | uM/Newton       |
| Force factor $Bl$                                   | 2.972    | Tm              |
| Maximum linear displacement $X_{max}$ <sup>5)</sup> | 0.7      | mm              |

### MECHANICAL DATA

|                                       |           |    |
|---------------------------------------|-----------|----|
| Voice coil carrier material           | aluminium |    |
| Voice coil diameter                   | 19.2      | mm |
| Winding height of voice coil          | 4.3       | mm |
| Yoke diameter                         | 18        | mm |
| Air gap height                        | 3.5       | mm |
| Magnet external diameter              | 60        | mm |
| Magnet internal diameter              | 26        | mm |
| Magnet height                         | 13        | mm |
| Compensating magnet external diameter | 60        | mm |
| Compensating magnet internal diameter | 26        | mm |
| Compensating magnet height            | 13        | mm |
| Weight                                | 0.7       | kg |

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

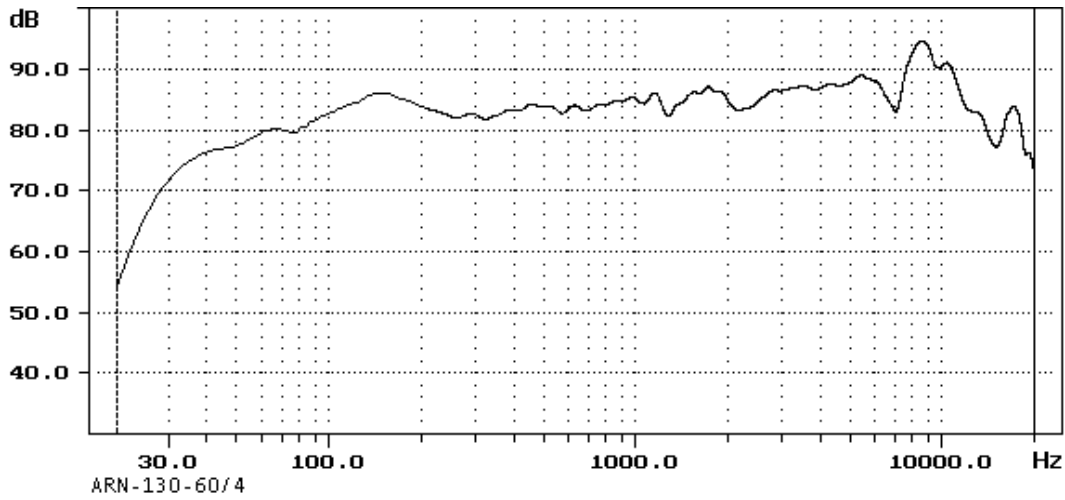
2) CSN IEC 268-5, closed box 5 dm<sup>3</sup>

3) CSN IEC 286-5, standard box, 1W, 1 m, 50 - 4000 Hz

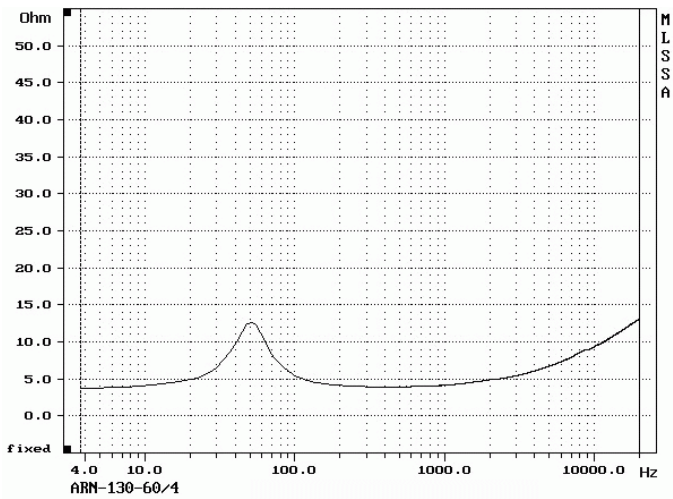
4) ±10 Hz

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

