

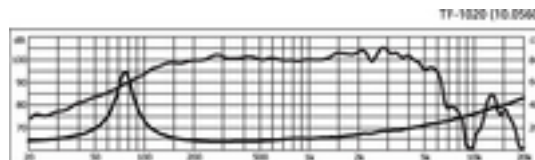
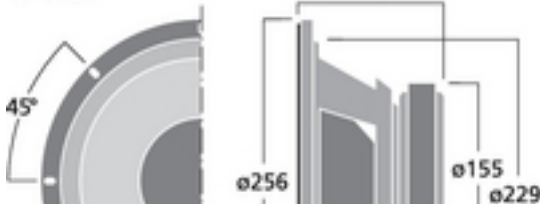
## TF-1020 - PA Midrange Speaker



CELESTION



TF-1020



CELESTION

One of the most appealing names in the world of speakers. The speakers of the TF series impress by both an excellent price-performance ratio and very good sound characteristics and thus are ideally suited for an application in efficient PA speaker systems providing a powerful sound.

PA bass-midrange speaker, 150 W, 8 Ohm

- 25 cm (10") PA midrange speaker providing an excellent sound, with power reserves in the bass range down to approx. 90 Hz
- High-quality Kevlar fibre-reinforced cellulose cone
- 50 mm (2") heat-resistant voice coil on a Kapton voice coil former
- Excellent linear frequency response and wide bandwidth
- High-quality reproductions of speech and vocals
- Double-roll surround for an excellent linearity
- Robust sheet steel basket
- Ideally suited for compact PA top parts with subwoofer support

## Tekniske data

|   |                                  |
|---|----------------------------------|
| Impedance (Z)                             | : 8 Ohm                          |
| Transmission method                       | : -                              |
| Frequency range                           | : f3-3,500 Hz                    |
| Resonant frequency (fs)                   | : 61 Hz                          |
| Rec. crossov. frequ. (fmax.) (12 dB/oct.) | : -                              |
| Power rating (RMS)                        | : 150 W                          |
| Peak music power output (MAX)             | : 300 W                          |
| Sensitivity                               | : 97 dB/W/m                      |
| Max. rated SPL                            | : -                              |
| Max. voltage                              | : -                              |
| Radiation angle, horizontal               | : -                              |
| Radiation angle, vertical                 | : -                              |
| Suspension compl. (Cms)                   | : 0.221 mm/N                     |
| Moving mass (Mms)                         | : 31 g                           |
| Mech. Q factor (Qms)                      | : 2.85                           |
| Electr. Q factor (Qes)                    | : 0.36                           |
| Total Q factor (Qts)                      | : 0.32                           |
| Equivalent volume (Vas)                   | : 37.5 l                         |
| DC resistance (Re)                        | : 5.8 Ohm                        |
| Force factor (BxL)                        | : 13.79 Tm                       |
| Voice coil induct. (Le)                   | : 0.59 mH                        |
| Voice coil diameter                       | : $\tilde{\sim}$ 50 mm           |
| Voice coil former                         | : Kapton                         |
| Linear excursion (X <sub>MAX</sub> )      | : $\pm$ 2 mm                     |
| Eff. cone area (Sd)                       | : 363 cm <sup>2</sup>            |
| Magnet weight                             | : 1.2 kg                         |
| Magnet diameter                           | : $\tilde{\sim}$ 155 mm          |
| Mounting cutout                           | : $\tilde{\sim}$ 229 mm          |
| Mounting depth                            | : 102.5 mm                       |
| Mounting hole diameter                    | : $\tilde{\sim}$ 245 mm          |
| Hole spacing X-axis                       | : -                              |
| Hole spacing Y-axis                       | : -                              |
| Dimensions                                | : $\tilde{\sim}$ 256 mm x 110 mm |
| Outside diameter                          | : $\tilde{\sim}$ 256 mm          |
| Width                                     | : $\tilde{\sim}$ 256 mm          |

|                       |           |
|-----------------------|-----------|
| Height                | : -       |
| Depth                 | : 110 mm  |
| Protective class      | : -       |
| Admiss. ambient temp. | : 0-40 °C |
| Weight                | : 3.7 kg  |
| Packing unit          | : 1       |
| Type of speaker       | : 10"     |