

## TI100

Visaton 10 cm (4") High-End low-midrange driver (1271)



### High-End low-midrange driver

10 cm (4") High-End low-midrange driver featuring a completely new type of diaphragm cone made of pure titanium.

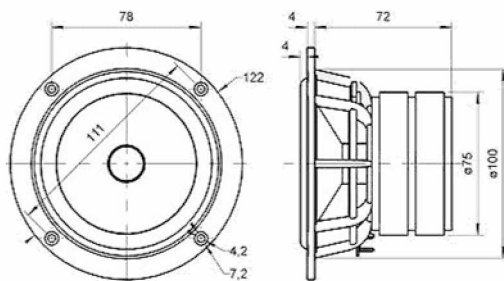
The carefully designed cone combines with the shape and material of the surround and the adhesives used in the construction to avoid that dreaded cone resonance or rather to shift it up into the highest possible frequency band. The shape of the basket with its large aperture and rear-ventilated centring piece coupled with the open voice coil with its phase plug produce the lowest possible mechanical losses and produce a correspondingly high mechanical rating. As a result of the construction using double magnets, the TI 100 is also magnetically shielded.

The results have to be heard to be believed: the acoustic properties are excellent and the TI 100 8 Ohm demonstrates its transparency and its almost analytical sound character that, however, never becomes a bore.

The TI 100 is ideal as a mid-bass unit in smaller high-end shelf speakers or as a mid-range unit in high-end multi-way speakers.

### Technical Data:

Nominal power handling	40 Watt
Peak power handling	60 Watt
Nominal impedance	8 Ohm
Frequency response (-10 dB)	fu - 20000 Hz
(fu: Lower cut-off frequency depending on cabinet)	.
Mean sound pressure level	86 dB (1W/1m)
Maximum cone displacement	4,5 mm
Resonance frequency fs	62 Hz
Magnetic induction	1,2 Tesla
Magnetic flux	300 $\mu$ Weber
Height of front pole-plate	4 mm
Voice coil diameter	20 mm
Height of winding	8,5 mm
Cutout diameter	101 mm
Net weight	1,05 kg
D.C. resistance Rdc	6,0 Ohm
Mechanical Q factor Qms	7,05
Electrical Q factor Qes	0,40
Total Q factor Qts	0,38
Equivalent volume Vas	6,92 l
Effective piston area Sd	54 cm <sup>2</sup>
Dynamically moved mass Mms	4 g
Force factor Bxl	4,8 T m
Inductance of the voice coil L	0,7 mH



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drawing