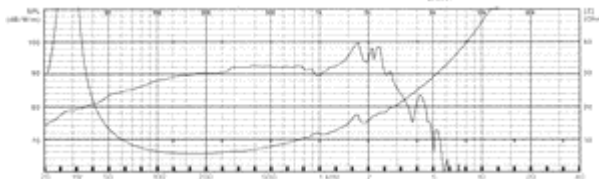
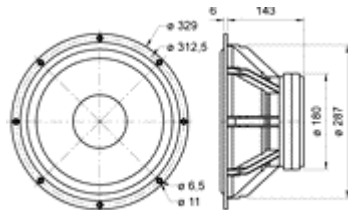


## TIW 300 8 OHM

**30 cm (12") high-end woofer** with a black cellulose diaphragm, large-format magnet arrangement and a massive aluminium diecast basket. Thanks to the multiple venting of the voice coil (pole piece hole, holes in the pole piece plate, cutouts in the aluminium diecast cone to vent the spider from behind) losses and flow noise are minimised. The combination of the voice coil carrier made of capton and the large 65 mm voice coil allow extremely high volume levels.



frequency- and impedance response

### Technical Data:

Rated power	300 W
Maximum power	600 W
Nominal impedance	8 Ohm
Maximum cone displacement	+/- 16 mm
Resonance frequency $f_s$	25 Hz
Magnetic induction	1,1 T
Magnetic flux	1800 $\mu$ Weber
Height of front pole-plate	8 mm
Voice coil diameter	65 mm
Height of winding	23 mm
Cutout diameter	288 mm
Net weight	7 kg
D.C. resistance $R_{dc}$	5,6 Ohm
Mechanical Q factor $Q_{ms}$	4,59
Electrical Q factor $Q_{es}$	0,30
Total Q factor $Q_{ts}$	0,28
Equivalent volume $V_{as}$	160 l
Effective piston area $S_d$	510 cm <sup>2</sup>
Dynamically moved mass $M_{ms}$	92 g
Force factor $B_{xl}$	16,5 Tm
Inductance of the voice coil $L$	1,7 mH