100 OD8-T

Product Data Sheet

Aluminium fixing bracket with reinforced profile, notched fastening with 180 degree articulation.

High density polypropylene damping cabinet, UV treated.

Aluminium inverted dome tweeter for excellent sound dispersion.

8" (21cm) bass-midrange with waterproof polypropylene cone and Polyglass treatment.



Fixed Aluminum grille, with rotating logo for vertical or horizontal installation.

Push spring terminal with silicone protection.





Power selector 8Ω/100V/70V.

Key points

- Technical design, IP66 certified (water and dust)
- Ready-to-paint grille and cabinet
- 8 ohms/70V/100V mode by switch

Finishes

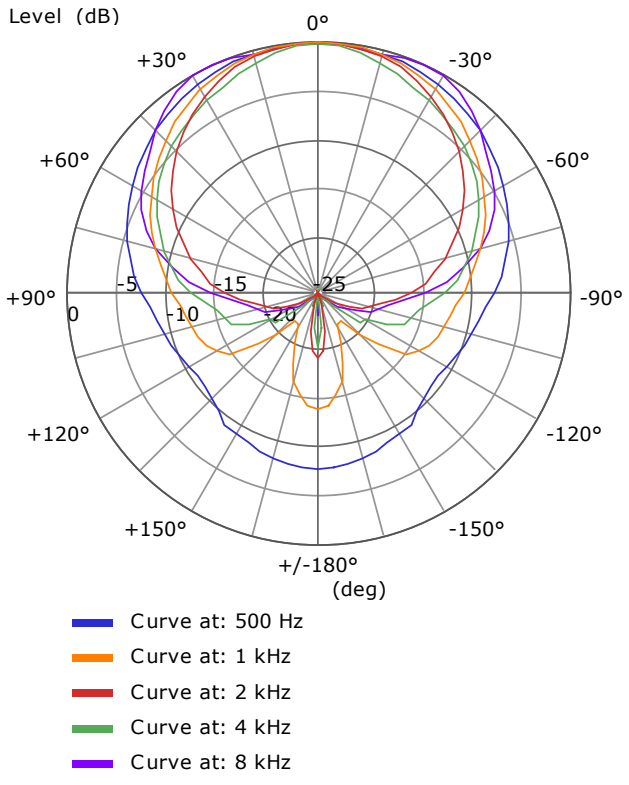


Type	**Outdoor loudspeaker**
Speakers	Aluminium inverted dome tweeter 8" (21cm) waterproof woofer with Polyglass treatment
Sensitivity (2.83V/1m)	88dB
Frequency response (+/-3dB)	60Hz-23kHz
Low frequency point (-6dB)	45Hz
Power in 8 Ω	120W
Power in 70 V	15/30/60W
Power in 100 V	30/60/120W
Filtering frequencies	2,800Hz
Dimensions (LxPxH) with brackets	10.2x11x15.4" (258x280x390mm)
Net weight with brackets	12.6lbs (5.8kg)
Recommended settings for DSP-amplifiers (8 Ω):	
Recommended Limiter Threshold	30,4V RMS
Recommended Limiter Attack Time	0ms
Recommended Limiter Release Time	150ms
Recommanded High-pass filter	40Hz Linkwitz-Riley 12 dB/octave

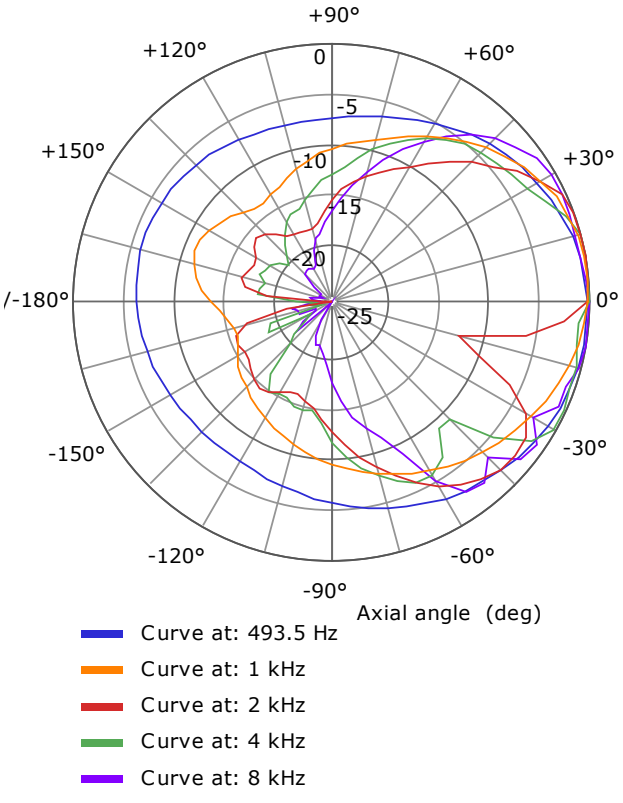
8 Ω			
70 V	15W	30W	60W
100 V	30W	60W	120W

Measurements Directivity

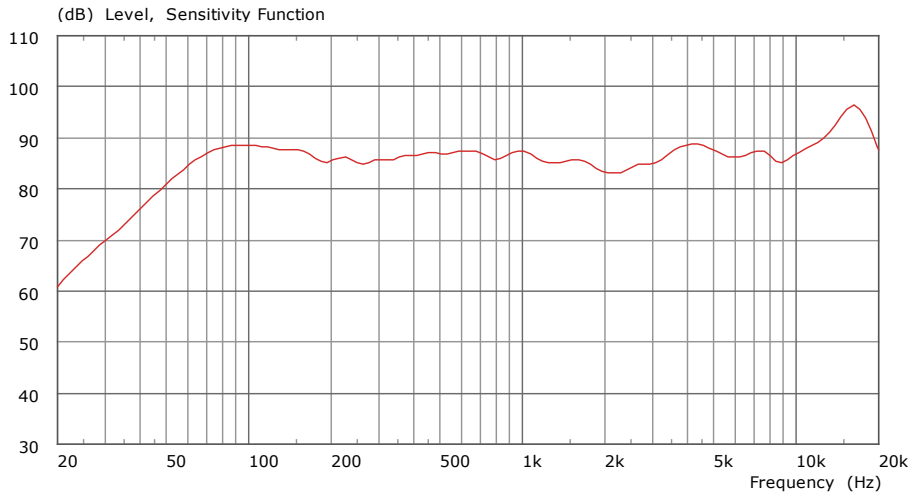
Horizontal



Vertical



Frequency Response



100 OD8-T Speaker level Calculation Table

Nominal sensitivity	87dB

Power/Distance	**1m**	**2m**	**5m**
1W (2.83V)	88dB	82dB	74dB
10W (8.94V)	98dB	92dB	84dB
20W (12.6V)	101dB	95dB	87dB
30W (15.5V)	103dB	97dB	89dB

Summary	**125Hz**	**250Hz**	**500Hz**	**1kHz**	**2kHz**	**4kHz**	**8kHz**
NPA (2.83V/1m)	88dB	85dB	87dB	87dB	84dB	89dB	87dB
Opening Angle at -6dB	360°	360°	160°	120°	100°	110°	130°