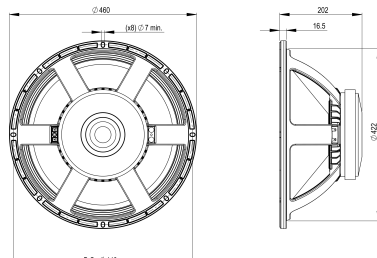


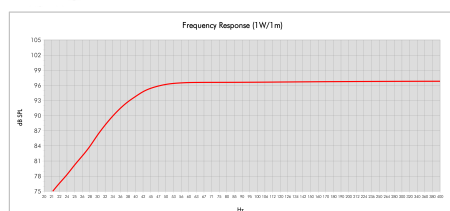
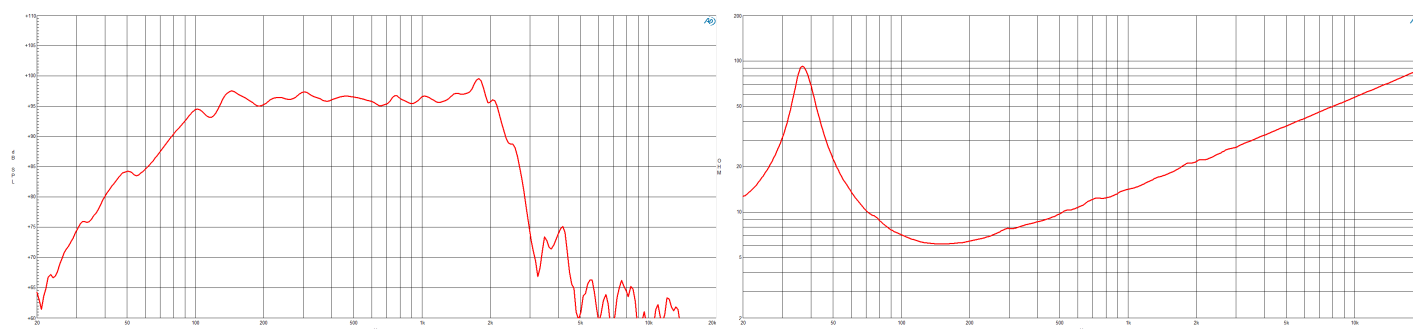
# 18PZW100 8 Ω LF Drivers - 18 inches Subwoofer



- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 37 - 2000 Hz response
- 97.6 dB sensitivity
- Double silicone spider with optimized compliance

The 18PZW100\* is a long Xmax, high power subwoofer that features a triple roll surround. This proven model features a 21 mm long, 4 inch diameter (100mm) Copper wire voice coil. A 1000watt AES power rating, 97.6 dB sensitivity, and over 10.5mm of Xvar make the 18PZW100 an interesting alternative.

\*Also known as 18/126 in some regions.



Model:	18PZW100	Configuration:	One Driver
Excursion Type:	Base Drive		
Internal Net Volume (liters):	150	Q <sub>B</sub> :	7
Surround Material (mm):	40	Post Hole (mm):	200.0
Frequency (3 dB) (Hz):	40.1	Post Length (mm):	24.3
Frequency (10 dB) (Hz):	30.7		

## SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Nominal Impedance	8 $\Omega$
Minimum Impedance	6.2 $\Omega$
Nominal Power Handling	1000 W 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
Continuous Power Handling	2000 W Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
Sensitivity	97.6 dB Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
Frequency Range	37 Hz - 2000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	21 mm (0.83 in)
Magnetic Gap Depth	11 mm (0.43 in)
Flux Density	1 T
Woofer Cone Treatment	TWP Waterproof Both Sides

## PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

Fs	37 Hz
Re	5.1 $\Omega$
Qes	0.38
Qms	7.9
Qts	0.36
Vas	186 dm <sup>3</sup> (6.57 ft <sup>3</sup> )
Sd	1210 cm <sup>2</sup> (187.55 in <sup>2</sup> )
$\eta_0$	2.32 %
Xmax	8 mm
Xvar	10.5 mm
Mms	209 g
Bl	25.5 Tm
Le	1.58 mH
EBP	97 Hz

## DESIGN

Surround Shape	Triple Roll
Cone Shape	Exponential
Magnet Material	Ferrite
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	150 dm <sup>3</sup> (5.3 ft <sup>3</sup> )
Recommended Tuning	40 Hz

## MOUNTING AND SHIPPING INFO

Overall Diameter	460 mm (18.11 in)
Bolt Circle Diameter	440 mm (17.32 in)
Baffle Cutout Diameter	422 mm (16.61 in)
Depth	202 mm (7.95 in)
Flange and Gasket Thickness	16 mm (0.65 in)
Air Volume Occupied by Driver	9.5 dm <sup>3</sup> (0.34 ft <sup>3</sup> )
Net Weight	12.25 kg (27.01 lb)
Shipping Units	1 pcs
Shipping Weight	13.85 kg (30.53 lb)
Shipping Box	500x495x275 mm (19.69x19.49x10.83 in)

## SERVICE KITS

LF recone-kits	RCK18PZW1008
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