

6PS44 8 Ω

Woofer

- 400W continuous power capacity
- 44 mm (1.7 in) copper voice coil
- 70 - 5000 Hz frequency response
- 93 dB sensitivity



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Woofers

SPECIFICATIONS

Nominal Diameter	170 mm (6.5 in)
Nominal Impedance	8 Ω
Minimum Impedance	6 Ω
Nominal Power Handling	200 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	400 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	93 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	70 Hz - 5000 Hz
Voice Coil Diameter	44 mm (1.7 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	12 mm (0.49 in)
Magnetic Gap Depth	6 mm (0.24 in)
Flux Density	1.25 T
Woofers Cone Treatment	WP Waterproof Front Side

PARAMETERS

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

Fs	71 Hz
Re	5.3 Ω
Qes	0.34
Qms	12.5
Qts	0.33
Vas	7 dm³ (0.25 ft³)
Sd	132 cm² (20.46 in²)
η ₀	0.7 %
X _{max}	4.5 mm
X _{var}	6 mm
M _{ms}	18 g
Bl	11 Tm
Le	0.7 mH
EBP	209 Hz

DESIGN

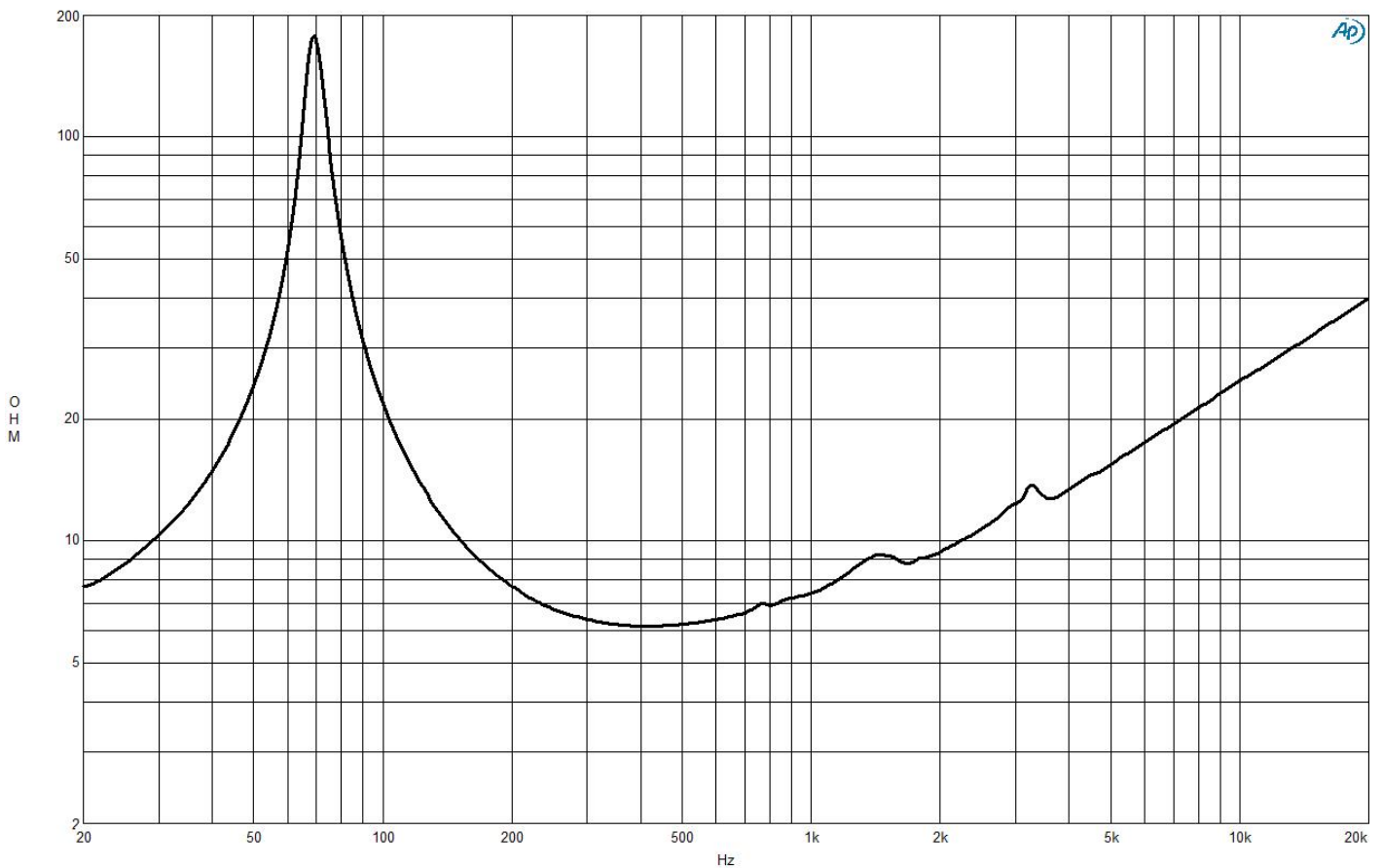
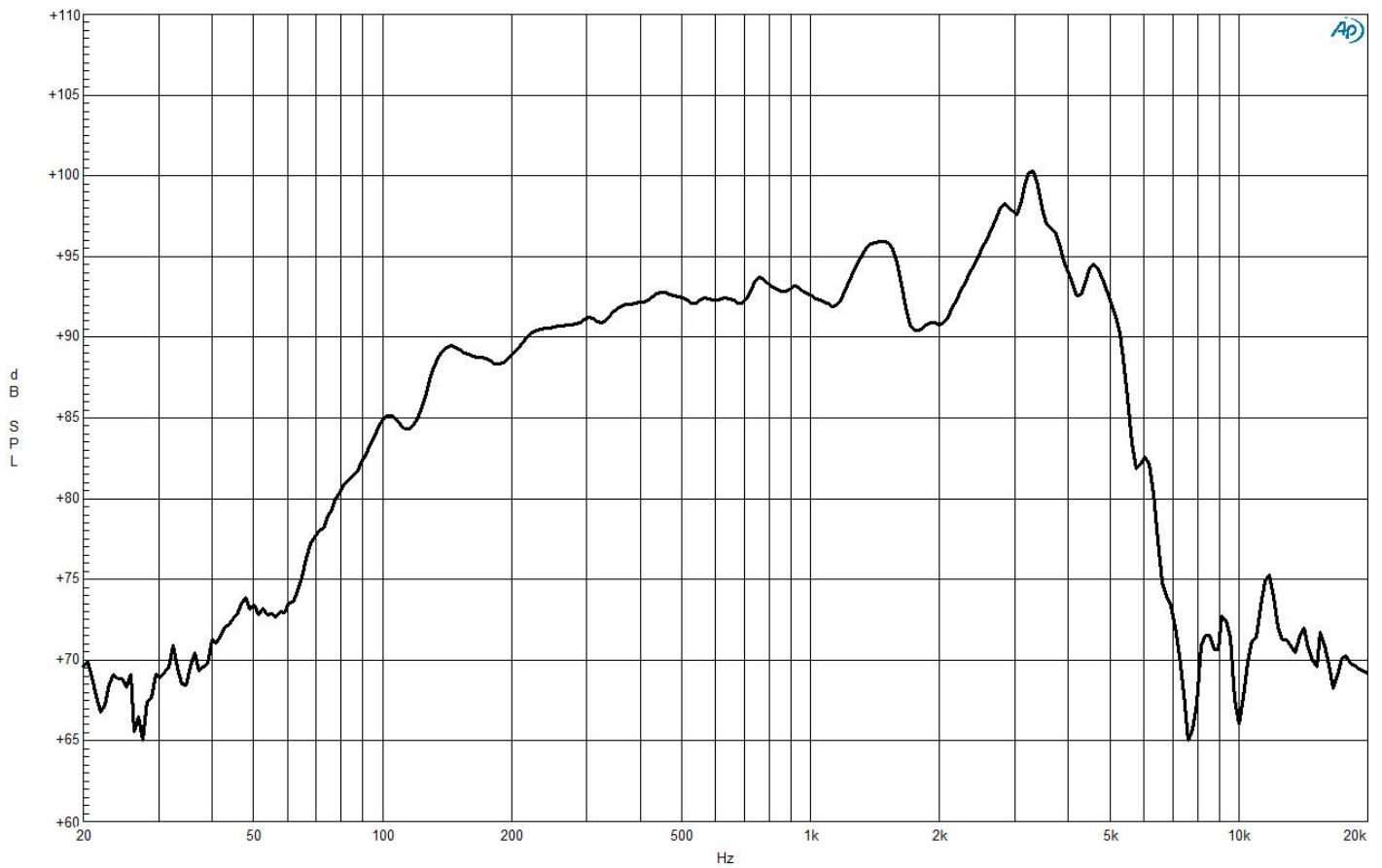
Surround Shape	Roll
Cone Shape	Radial
Magnet Material	Ferrite
Spider	Single
Pole Design	Straight Pole
Woofers Cone Treatment	WP Waterproof Front Side
Recommended Enclosure	9 dm³ (0.32 ft³)
Recommended Tuning	70 Hz

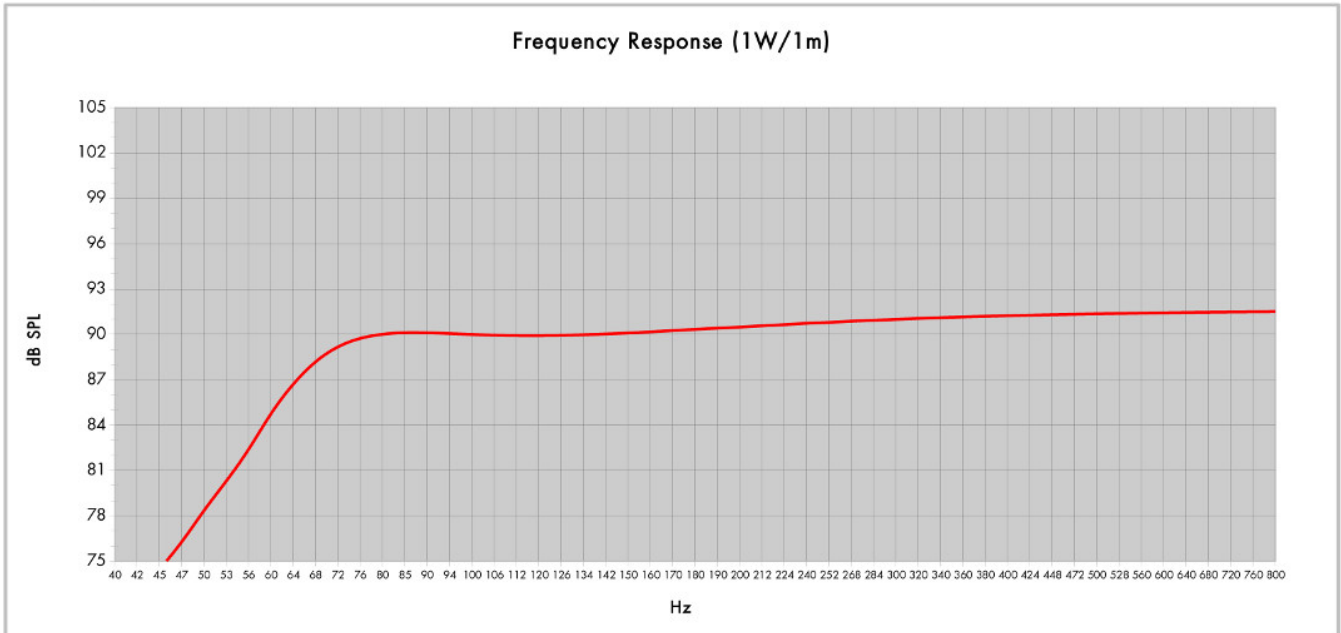
MOUNTING AND SHIPPING INFO

Overall Diameter	187 mm (7.36 in)
Bolt Circle Diameter	172 mm (6.77 in)
Baffle Cutout Diameter	145 mm (5.71 in)
Depth	88 mm (3.46 in)
Flange and Gasket Thickness	13 mm (0.51 in)
Air Volume Occupied by Driver	0.9 dm³ (0.03 ft³)
Net Weight	2.35 kg (5.18 lb)
Shipping Units	1 pcs
Shipping Weight	2.55 kg (5.62 lb)
Shipping Box	210x210x125 mm (8.27x8.27x4.92 in)

SERVICE KITS

LF recone-kits	RCK06PS448
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Model:	6PS44	Configuration:	One Driver
Enclosure Type:	Bass Reflex	Port Area (cm ²):	26,0
Internal Net Volume (Litres):	9	Port Length (cm):	12,7
Tuning Frequency (Hz):	70		
Frequency (-3 dB) (Hz):	69,7		
Frequency (-10 dB) (Hz):	54,8		

