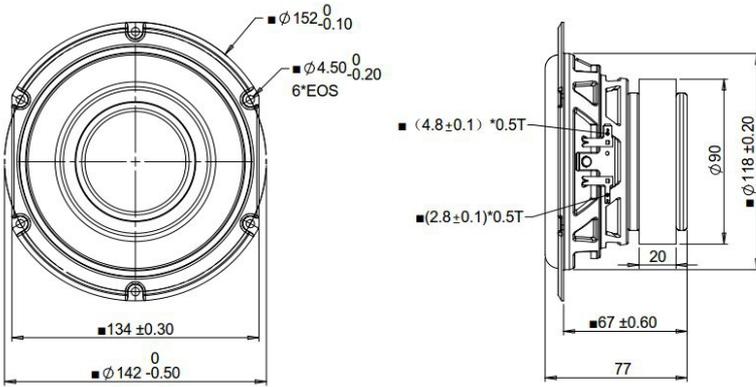


- Aluminum Shorting Ring
- Coated Paper Cone
- Ferrite Magnet
- Rubber Surround
- High Excursion

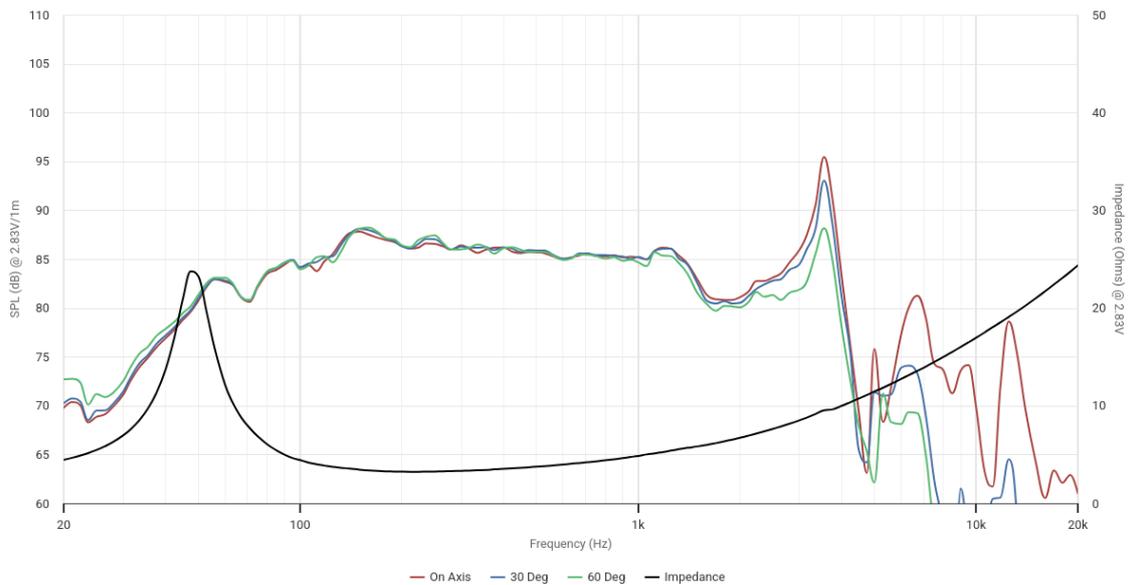


SPECIFICATIONS

Transducer Size	5.25	in	
Impedance	4	Ω	
Frequency Range ¹	50 - 3000	Hz	
Sensitivity ² (2.83V 1W @ 1m)	86.2 83.2	dB	
Power Rating (IEC 268-5)	50	W	
Voice Coil Size	32.4	mm	
Air Gap Winding Height	$H_{ag} H_{vc}$	6 16	mm
Net Weight	1.18	kg	

PARAMETERS ³

Eff. Piston Area	S_d	89.9	cm ²
DC Resistance	R_e	2.8	Ω
Minimum Impedance	Z_{min}	3.2	Ω
Inductance	L_e	0.353	mH
Resonance Frequency ⁴	F_s	55	Hz
Mechanical Q Factor	Q_{ms}	5.47	-
Electrical Q Factor	Q_{es}	0.601	-
Total Q Factor	Q_{ts}	0.54	-
Moving Mass	M_{ms}	16.9	g
Compliance	C_{ms}	490	$\mu\text{m}/\text{N}$
Equivalent Volume	V_{as}	5.65	L
Motor Force Factor	Bl	5.18	Tm
Motor Efficiency	β	9.75	$(Bl)^2 / R_e$
Linear Excursion ⁵	X_{max}	7	mm
Max Mechanical Excursion ⁶	X_{mech}	13.8	mm



Details on this spec sheet are for reference only and should not be used for setting production limits. Specifications and product cosmetics are subject to change without notice. Peerless is a registered trademark of Tympany Enterprises. All measurements conducted in test lab at 25°C ±10°C, 50%RH ±10%. ¹ Specified by Engineering as linear working range of transducer. ² Measured at 2.83V at 1m and normalized to 1W with respect to nominal impedance. ³ Measured in Free Air without preconditioning, therefore subject to some deviation. ⁴ Impedance and F_s value measured under different conditions. ⁵ Equal/Overhung: $(H_{vc} - H_{ag})/2 + H_{ag}/3$. Underhung: $(H_{ag} - H_{vc})/2 + H_{vc}/3$. ⁶ Mechanically limited excursion (e.g. bottoming, spider crash).