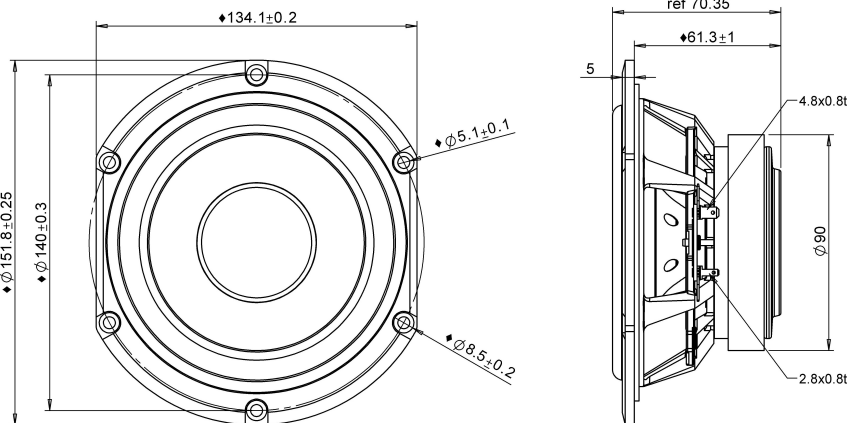


- Aluminum Diaphragm
- Aluminum Shorting Ring
- Cast Aluminum Frame
- Ferrite Magnet
- Rubber Surround

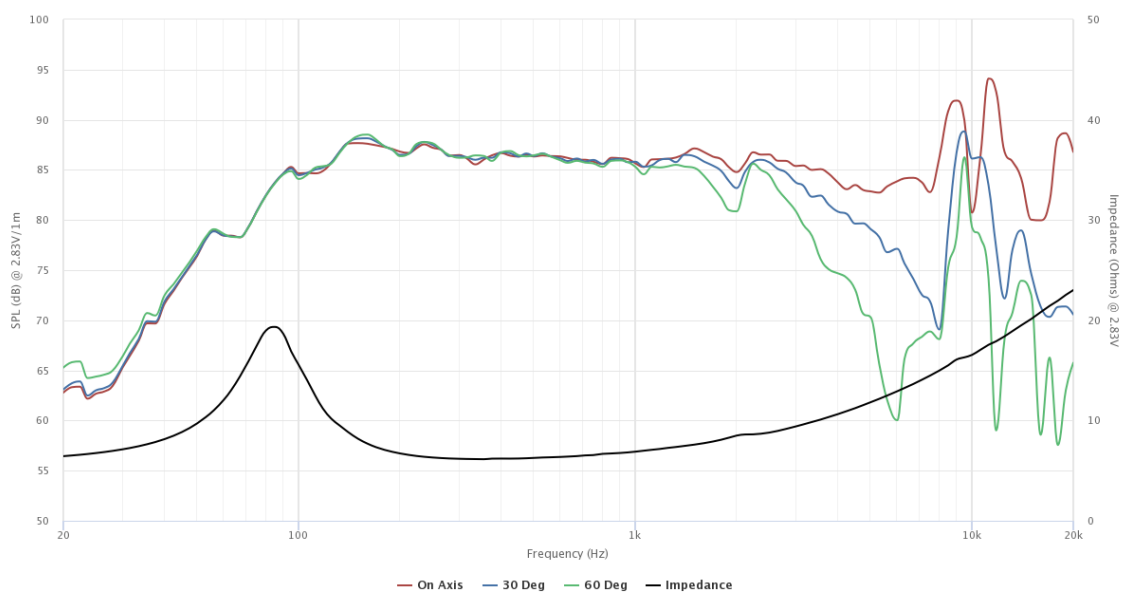


SPECIFICATIONS

Transducer Size	5.25	in
Impedance	8	Ω
Frequency Range ¹	100 - 7000	Hz
Sensitivity ² (2.83V 1W @ 1m)	86 86	dB
Power Rating (IEC 268-5)	30	W
Voice Coil Size	25.7	mm
Air Gap Winding Height	H_{ag} H_{vc}	6 13
Net Weight	1.06	kg

PARAMETERS ³

Eff. Piston Area	S_d	91.6	cm ²
DC Resistance	R_e	5.7	Ω
Minimum Impedance	Z_{min}	6.1	Ω
Inductance	L_e	0.258	mH
Resonance Frequency ⁴	F_s	90	Hz
Mechanical Q Factor	Q_{ms}	2.74	-
Electrical Q Factor	Q_{es}	0.987	-
Total Q Factor	Q_{ts}	0.73	-
Moving Mass	M_{ms}	10.9	g
Compliance	C_{ms}	290	$\mu\text{m/N}$
Equivalent Volume	V_{as}	3.42	L
Motor Force Factor	Bl	5.98	Tm
Motor Efficiency	β	6.25	(Bl) ² / R_e
Linear Excursion ⁵	X_{max}	5.5	mm
Max Mechanical Excursion ⁶	X_{mech}	-	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).