

- Aluminum Shorting Ring
- Coated Paper Cone
- Ferrite Magnet
- Pressed Steel Basket
- Rubber Surround

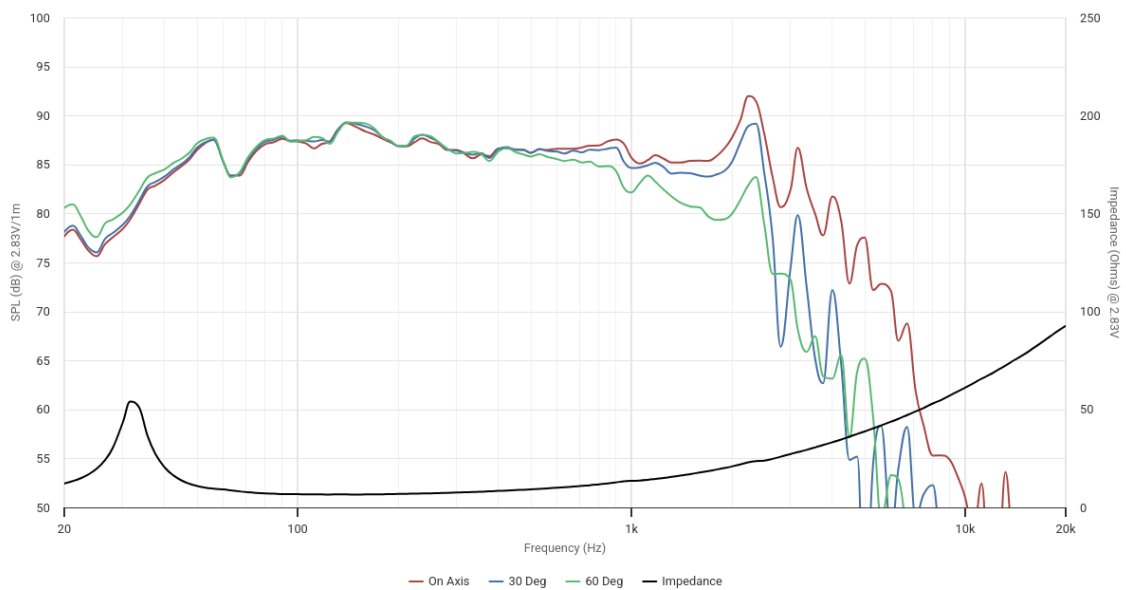
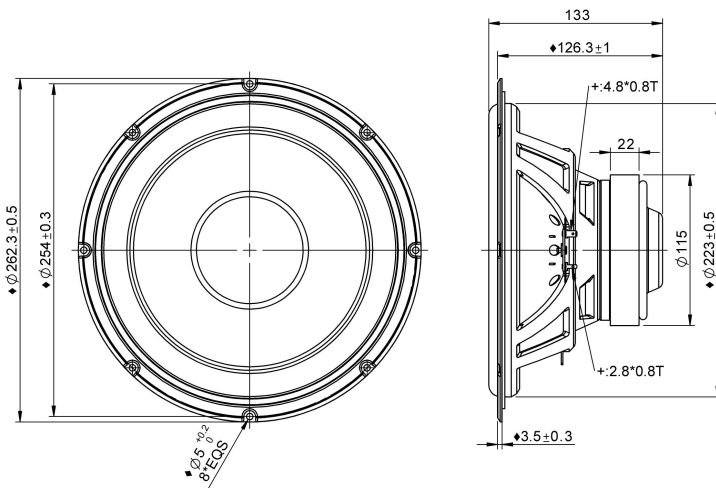


SPECIFICATIONS

Transducer Size	10	in
Impedance	8	Ω
Frequency Range ¹	30 - 800	Hz
Sensitivity ² (2.83V 1W @ 1m)	88.8 88.8	dB
Power Rating (IEC 268-5)	70	W
Voice Coil Size	38.4	mm
Air Gap Winding Height	H_{ag} H_{vc}	8 24.5 mm
Net Weight	2.7	kg

PARAMETERS ³

Eff. Piston Area	S_d	346	cm ²
DC Resistance	R_e	5.6	Ω
Minimum Impedance	Z_{min}	6.6	Ω
Inductance	L_e	1.46	mH
Resonance Frequency ⁴	F_s	35	Hz
Mechanical Q Factor	Q_{ms}	7.28	-
Electrical Q Factor	Q_{es}	0.646	-
Total Q Factor	Q_{ts}	0.59	-
Moving Mass	M_{ms}	57.3	g
Compliance	C_{ms}	370	$\mu\text{m/N}$
Equivalent Volume	V_{as}	62.9	L
Motor Force Factor	Bl	10.3	Tm
Motor Efficiency	β	19.2	(Bl) ² / R_e
Linear Excursion ⁵	X_{max}	10.9	mm
Max Mechanical Excursion ⁶	X_{mech}	19.2	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 $\pm$ 10°C, 50%RH $\pm$ 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).