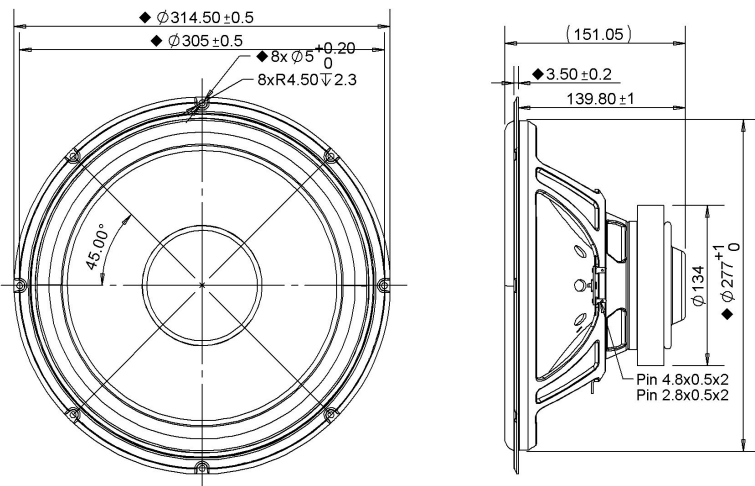


- Aluminum Shorting Ring
- Coated Paper Cone
- Ferrite Magnet
- Pressed Steel Basket
- Rubber Surround

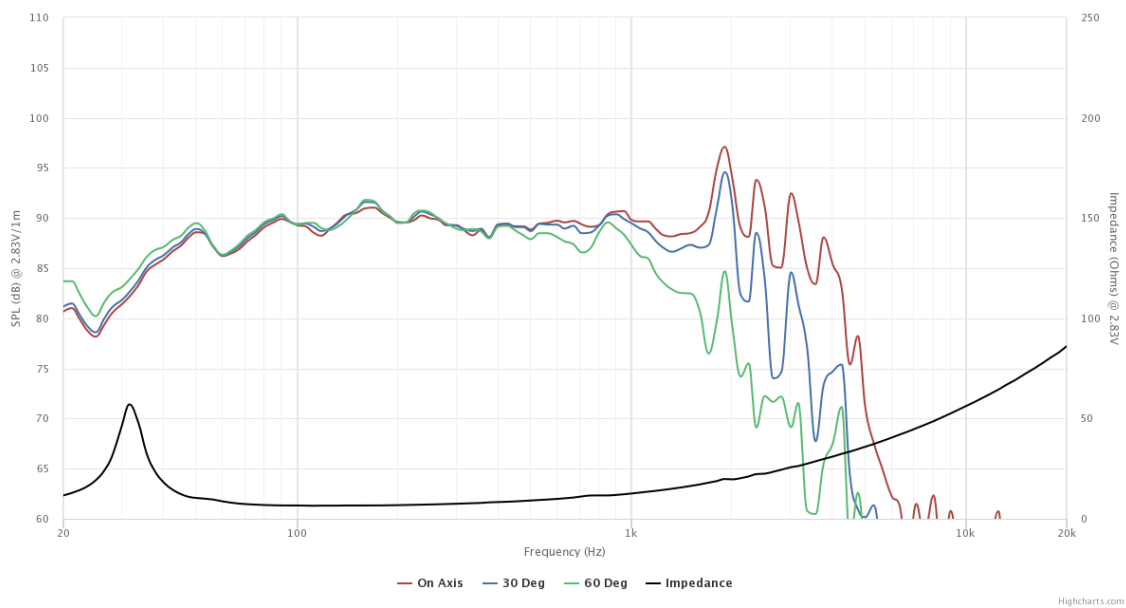


SPECIFICATIONS

Transducer Size	12	in
Impedance	8	Ω
Frequency Range ¹	20 - 1000	Hz
Sensitivity ² (2.83V 1W @ 1m)	88.7 88.7	dB
Power Rating (IEC 268-5)	100	W
Voice Coil Size	38.4	mm
Air Gap Winding Height	H _{ag} H _{vc}	8 24.5 mm
Net Weight	3.24	kg

PARAMETERS ³

Eff. Piston Area	S _d	523	cm ²
DC Resistance	R _e	5.6	Ω
Minimum Impedance	Z _{min}	6.5	Ω
Inductance	L _e	1.12	mH
Resonance Frequency ⁴	F _s	34	Hz
Mechanical Q Factor	Q _{ms}	9.98	-
Electrical Q Factor	Q _{es}	0.678	-
Total Q Factor	Q _{ts}	0.64	-
Moving Mass	M _{ms}	78.5	g
Compliance	C _{ms}	280	μm/N
Equivalent Volume	V _{as}	107	L
Motor Force Factor	Bl	11.8	Tm
Motor Efficiency	β	24.8	(Bl) ² / R _e
Linear Excursion ⁵	X _{max}	10.9	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).