

- Extra-Long Stroke Rubber Surround
- Paper Diaphragm
- Cast Aluminum Frame
- High Excursion
- High Power and Thermal Handling

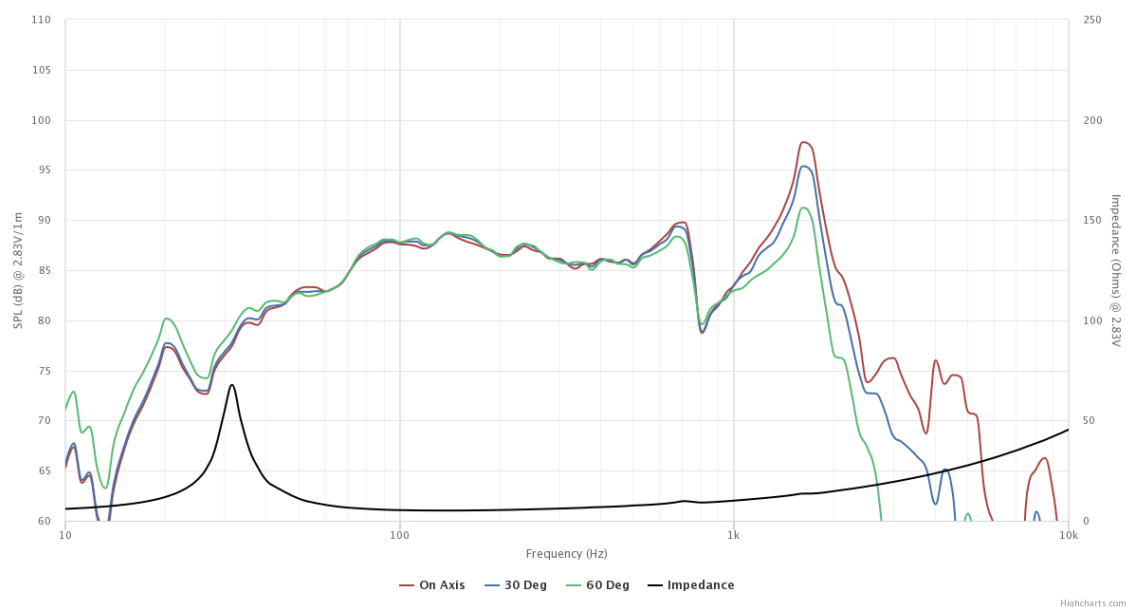


SPECIFICATIONS

Transducer Size	10	in
Impedance	6	Ω
Frequency Range ¹	20 - 800	Hz
Sensitivity ² (2.83V 1W @ 1m)	88.4 88.4	dB
Power Rating (IEC 268-5)	300	W
Voice Coil Size	75.6	mm
Air Gap Winding Height	H _{ag} H _{vc}	8 33.2
Net Weight	7.4	kg

PARAMETERS³

Eff. Piston Area	S_d	353	cm^2
DC Resistance	R_e	4.2	Ω
Minimum Impedance	Z_{\min}	5.1	Ω
Inductance	L_e	0.822	mH
Resonance Frequency ⁴	F_s	34	Hz
Mechanical Q Factor	Q_{ms}	11.4	-
Electrical Q Factor	Q_{es}	0.48	-
Total Q Factor	Q_{ts}	0.46	-
Moving Mass	M_{ms}	115	g
Compliance	C_{ms}	190	$\mu\text{m/N}$
Equivalent Volume	V_{as}	32.9	L
Motor Force Factor	Bl	14.6	Tm
Motor Efficiency	β	51.7	$(Bl)^2 / R_e$
Linear Excursion ⁵	X_{\max}	15.3	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 Fs 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).