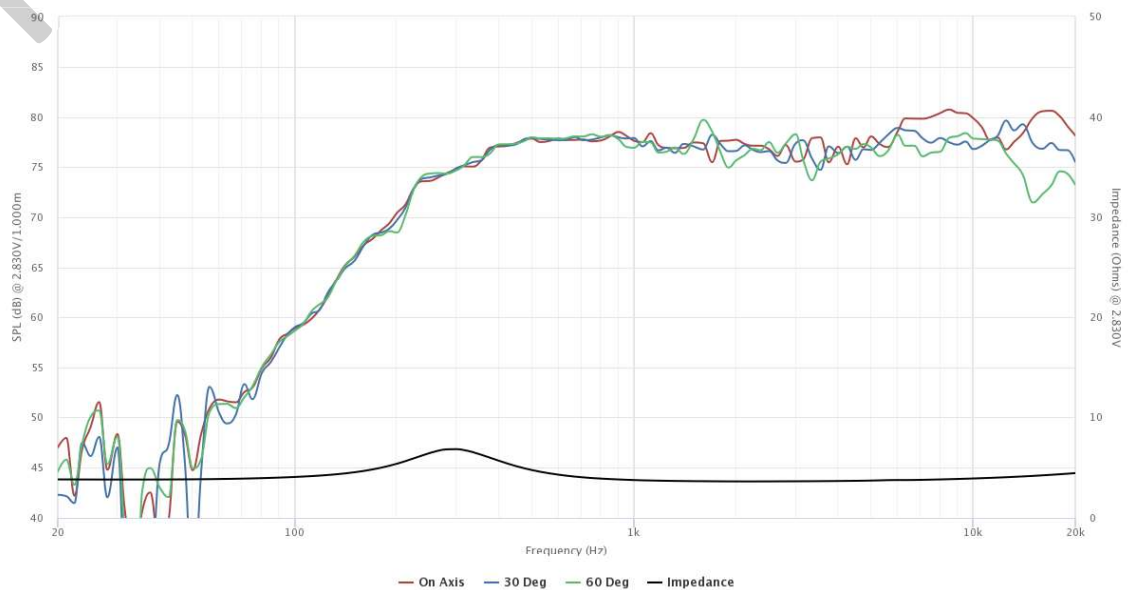


SPECIFICATIONS

Transducer Size	18	mm
Impedance	4	Ω
Frequency Range ¹	350 - 20000	Hz
Sensitivity ² (2.83V 1W @ 1m)	77.2 74.2	dB
Power Rating (IEC 268-5)	1	W
Voice Coil Size	12	mm
Air Gap Winding Height	H_{ag} H_{vc}	1 1.8
Net Weight	8	g

PARAMETERS ³

Eff. Piston Area	S_d	1.86	cm ²
DC Resistance	R_e	3.4	Ω
Minimum Impedance	Z_{min}	3.6	Ω
Inductance	L_e	0.027	mH
Resonance Frequency ⁴	F_s	390	Hz
Mechanical Q Factor	Q_{ms}	1.49	-
Electrical Q Factor	Q_{es}	1.96	-
Total Q Factor	Q_{ts}	0.84	-
Moving Mass	M_{ms}	0.125	g
Compliance	C_{ms}	1.3	mm/N
Equivalent Volume	V_{as}	0.007	L
Motor Force Factor	Bl	0.757	Tm
Motor Efficiency	β	0.169	$(Bl)^2 / R_e$
Linear Excursion ⁵	X_{max}	0.733	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).