



● Pressed Steel Basket

● Paper Diaphragm

● Fabric Surround

● Ferrite Magnet

● High Sensitivity

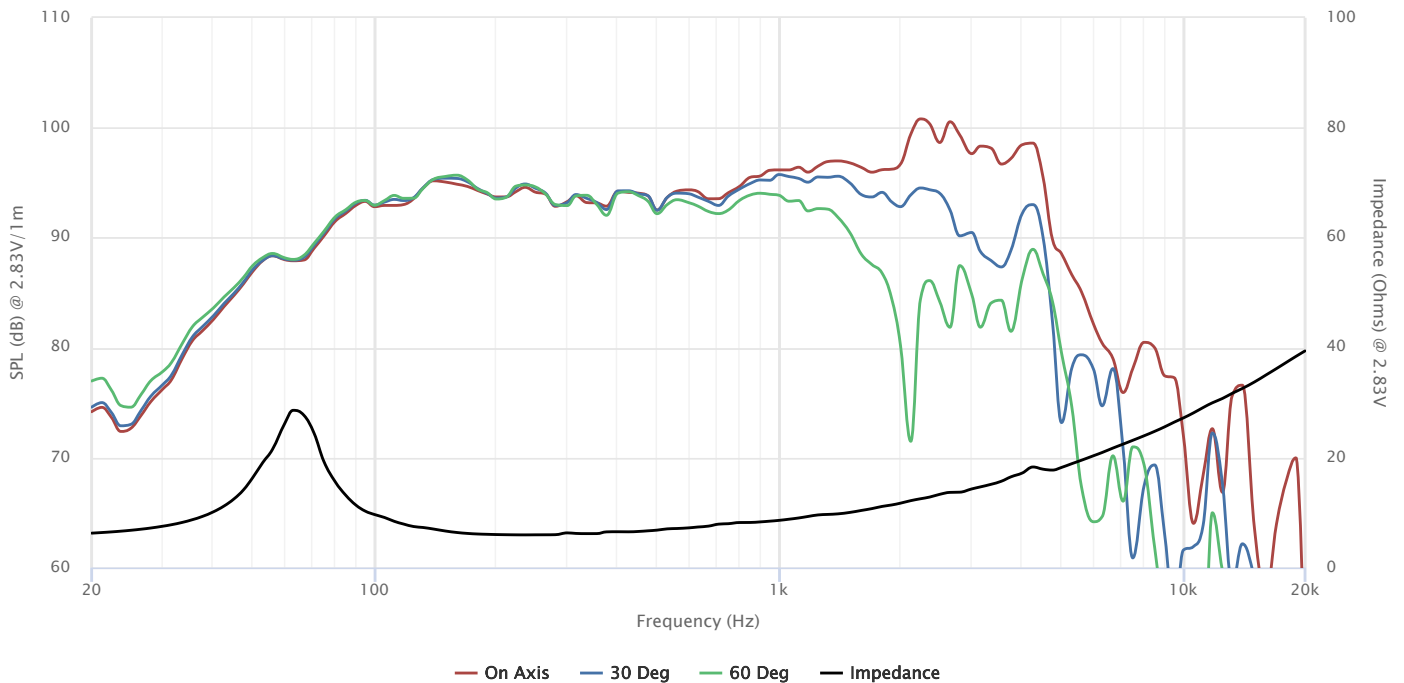
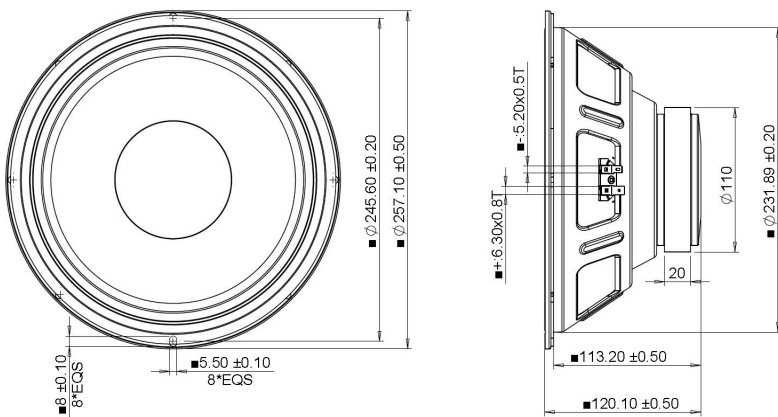


SPECIFICATIONS

Transducer Size	10	in
Impedance	8	Ω
Frequency Range ¹	50 - 5000	Hz
Sensitivity ² (2.83V 1W @ 1m)	94.3 94.3	dB
Power Rating (AES2-1984)	100	W
Voice Coil Size	38.4	mm
Air Gap Winding Height	H _{ag} H _{vc}	6 10.6 mm
Net Weight	2.15	kg

PARAMETERS ³

Eff. Piston Area	S _d	370	cm ²
DC Resistance	R _e	5.3	Ω
Minimum Impedance	Z _{min}	6	Ω
Inductance	L _e	0.504	mH
Resonance Frequency ⁴	F _s	68	Hz
Mechanical Q Factor	Q _{ms}	4.58	-
Electrical Q Factor	Q _{es}	0.743	-
Total Q Factor	Q _{ts}	0.64	-
Moving Mass	M _{ms}	29.5	g
Compliance	C _{ms}	190	μ m/N
Equivalent Volume	V _{as}	36	L
Motor Force Factor	Bl	9.48	Tm
Motor Efficiency	β	17	(Bl) ² / R _e
Linear Excursion ⁵	X _{max}	4.3	mm
Max Mechanical Excursion ⁶	X _{mech}	16.4	mm



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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 Tymphany 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).