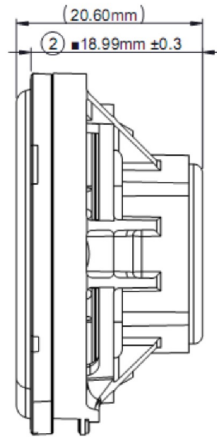
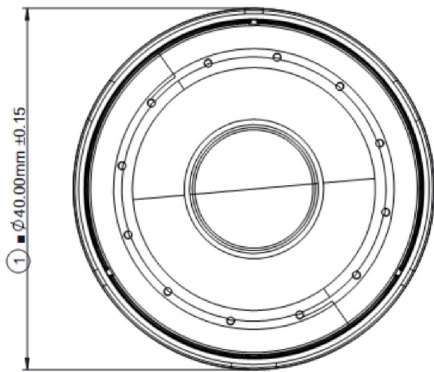


● Neodymium Motor

● Sustainable Construction

● Automation

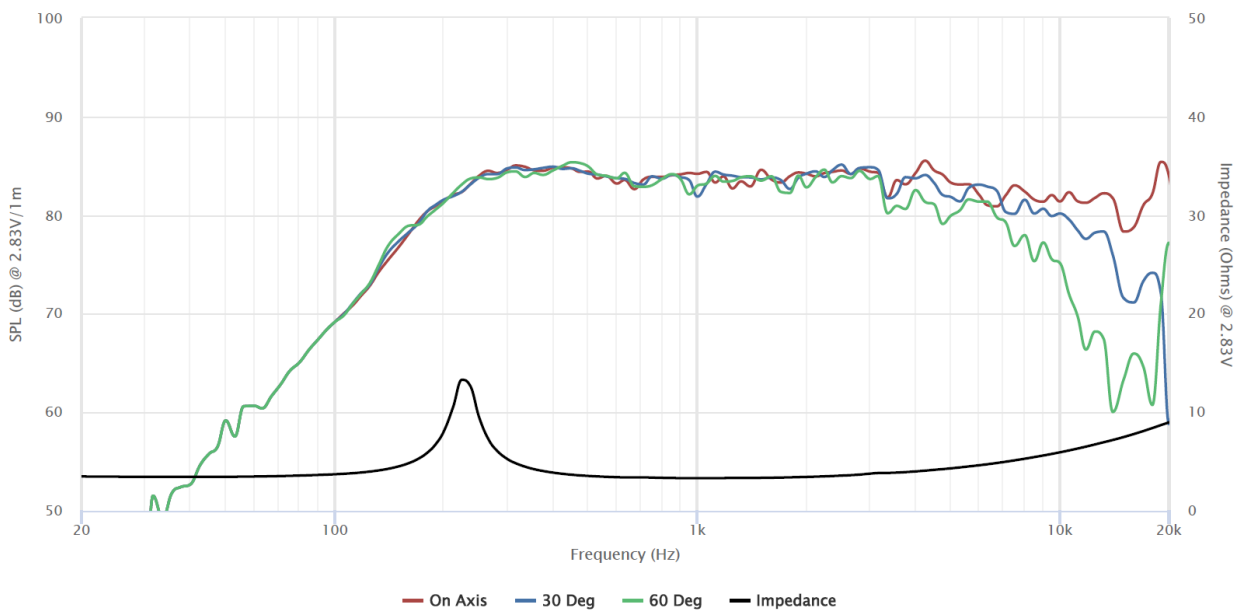


### SPECIFICATIONS

Transducer Size	40	mm	
Impedance	4	Ω	
Frequency Range <sup>1</sup>	200 - 10000	Hz	
Sensitivity <sup>2</sup> (2.83V   1W @ 1m)	81.8   78.7	dB	
Power Rating (IEC 268-5)	4	W	
Voice Coil Size	15	mm	
Air Gap   Winding Height	H <sub>ag</sub>   H <sub>vc</sub>	2.5   4.04	mm
Net Weight	20.4	g	

### PARAMETERS <sup>3</sup>

Eff. Piston Area	S <sub>d</sub>	8.55	cm <sup>2</sup>
DC Resistance	R <sub>e</sub>	3.2	Ω
Minimum Impedance	Z <sub>min</sub>	3.3	Ω
Inductance	L <sub>e</sub>	0.046	mH
Resonance Frequency <sup>4</sup>	F <sub>s</sub>	220	Hz
Mechanical Q Factor	Q <sub>ms</sub>	7.21	-
Electrical Q Factor	Q <sub>es</sub>	1.87	-
Total Q Factor	Q <sub>ts</sub>	1.5	-
Moving Mass	M <sub>ms</sub>	0.775	g
Compliance	C <sub>ms</sub>	690	μm/N
Equivalent Volume	V <sub>as</sub>	0.071	L
Motor Force Factor	Bl	1.35	Tm
Motor Efficiency	β	0.566	(Bl) <sup>2</sup> / R <sub>e</sub>
Linear Excursion <sup>5</sup>	X <sub>max</sub>	1.6	mm
Max Mechanical Excursion <sup>6</sup>	X <sub>mech</sub>	2.7	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%. <sup>1</sup> Specified by Engineering as linear working range of transducer. <sup>2</sup> Measured at 2.83V at 1m and normalized to 1W with respect to nominal impedance. <sup>3</sup> Measured in Free Air without preconditioning, therefore subject to some deviation. <sup>4</sup> Impedance and F<sub>s</sub> value measured under different conditions. <sup>5</sup> Equal/Overhung: (H<sub>vc</sub> - H<sub>ag</sub>)/2 + H<sub>ag</sub>/3. Underhung: (H<sub>ag</sub> - H<sub>vc</sub>)/2 + H<sub>vc</sub>/3. <sup>6</sup> Mechanically limited excursion (e.g. bottoming, spider crash).